

# MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION



**Product Name:** Starbrite Tattoo Ink (MADE IN USA)  
**Product Color:** Alien Autopsy  
**Pigment Name:** White 6  
**Ingredients C.I.:** #77891  
**Color Mix:** #74160, 77266, 74260  
**Isopropyl Alcohol:** C.A.S. #67-63-0  
**Water:** C.A.S. #7732-18-5

**Producers Info:** Tommy's Supplies  
 34 Egypt Rd. Unit A, Somers, CT 06071  
 P:860-265-2199 E: tommy@tommyssupplies.com  
 Website: www.tommyssupplies.com  
 Website: www.starbritecolors.com

## 2. HAZARDS IDENTIFICATION

**Physical State:** Liquid  
**Odor:** Odorless. [Slight]  
**Color:** White

**OSHA/HCS status:** While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/ec and subsequent Directives, this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and No known significant effects or critical hazards. Available for employees and other users of this product.

**Emergency overview:** No known significant effects or critical hazards.

**EU Hazard Classification:** INDEX NUMBER:  
**Of Ingredients Per Directive 1272/2008/EC** 236-675-5, 200-289-5, 231-791-2, & 283-637-9 are not listed in Annex I

**Eyes & Skin:** May cause mild eye and or skin irritation.  
**Inhalation & Ingestion:** No known significant effects or critical hazards.  
**Routes of Entry:** Dermal contact, Inhalation

**Carcinogenic Effects:** No known significant effects or critical hazards  
**Mutagenic Effects:** No known significant effects or critical hazards  
**Teratogenicity:** No known significant effects or critical hazards

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

All WHMIS required information is included in appropriate sections based on the ANSI Z400 1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250: 2000

### 4. FIRST AID MEASURES

- Eye Contact:** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.
- Skin Contact:** In case of contact, wash skin thoroughly after handling. Get medical attention if symptoms occur.
- Inhalation:** If breathing becomes difficult remove victim from fresh air. If necessary, use artificial respiration to support vital functions. Seek immediate medical attention.
- Ingestion:** Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur immediately.
- Protection of First-Aiders:** No action shall be taken involving any personal risk or without suitable training.

### 5. FIRE FIGHTING MEASURES

- Product Flammability:** In a fire or if heated, a pressure increase will occur and the container may burst.
- Products of Combustion:** Decomposition products may include the following materials: Metal oxide/oxides
- Extinguishing Media:** Use an extinguishing agent suitable for the surrounding fire. Nothing unsuitable known
- Suitable/Not Suitable:** Dermal contact, Inhalation
- Special Exposure Hazards:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special Protective Equipment for Fire Fighters / Flash Point:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. No flash point.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment (see Section 8).
- Environmental Precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods of Clean Up:** Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

## 7. HANDLING AND STORAGE

- Handling:** Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.
- Storage:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Consult local authorities for acceptable exposure limits.**

- Engineering Measures:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits. The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

## Personal Protection.

- Respiratory:** Not required in properly ventilated areas. Maintain airborne contaminant concentrations below guidelines listed, if applicable. If necessary, use respiratory 149, 94.4-93, European Standard EN or EU member states.
- Eyes:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If necessary, refer to Canadian Standards, European Standard EN166, Australian Standards, or relevant Japanese Standards.
- Skin:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. If necessary, refer to Canadian Standards, European Standard, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in US OSHA 29 CFR 1910.136.
- Hands:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. If necessary, refer to US OSHA 29 CFR 1910.138, European Standard DIN EN 374, appropriate Canadian Standards, Australian Standards, or relevant Japanese Standards.
- Hygiene Measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid.

**Color:** White.

**Odor:** Slight.

**Boiling/Condensation Point:** Lowest known value: 100°C (212°F)

**Melting/Freezing Point:** May start to solidify at the following temperature: 0°C (32°F)  
This is based on data for the following ingredient: water.

**Flash Point:** Not applicable.

**VOC:** 0%

**Density:** 1.956 g/cm<sup>3</sup> (16.326 lbs/gal)

**Solubility:** Insoluble in the following materials: cold water and hot water.

**Evaporation Rate:** <1 (water) compared with butyl acetate

## 10. STABILITY AND REACTIVITY

**Stability and Reactivity:** The product is stable.

**Hazardous Decomposition Products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Hazardous Polymerization:** Under normal conditions of storage and use, hazardous polymerization will not occur.

**Reactivity - Light:** Not applicable

## 11. TOXICOLOGICAL INFORMATION

**Suspected Cancer Agent:** Ingredients within this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be, nor suspected to be, cancer-causing agents by these agencies.

**Acute Toxicity, Chronic Toxicity, Carcinogenicity, Mutagenicity, Teratogenicity, Reproductive Toxicity:**  
No known significant effects or critical hazards.

## 12. ECOLOGICAL INFORMATION

**Environmental Effects: Aquatic Ecotoxicity, Conclusion/Summary, Biodegradability** Commerce control list precursor: May be water endangering in accordance with EU Guideline 91/155-EWG. Do not allow product to reach ground water or water source of sewage system. At present there are no eco-toxicological assessments for this product.

**Conclusion/Summary** Not Available  
**Other Adverse Effects** No known significant effects or critical hazards.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal:** The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Waste disposal must be in accordance with appropriate US Federal, State, and Local regulations, along with those of Canada, Australia, EU Member States, and Japan.

## 14. TRANSPORTATION INFORMATION

**US Transportation** This product is classified (Per 49 CFR 172.101) by the US Department of Transportation, as follows:  
**Shipping Regulations:** UN Identification Number: Non-Regulated Material

**Environmental** Marine Pollutant: The components of this product are not designated by the Department  
**Hazards:** of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

### International Maritime Organization and Air Transport Association Shipping Information (IMO):

This product is not considered as dangerous goods

### Transport in Bulk According to Annex II Of Marpol 73/78 and IBC Code:

European agreement concerning the international carriage of dangerous goods by road (ADR): This product is not considered by the United Nations Economic Commission for Europe to be dangerous goods.

## 15. REGULATORY INFORMATION

**HCS Classification:** Not Regulated

**TSCA 8(b) Inventory:** Listed

**U.S. Federal Regulations:** TSCA 4(a) final test rules, TSCA 4(a) ITC priority list, TSCA 4(a) proposed test rules, TSCA 5(a)2 final significant new use rules, TSCA 5(a)2 proposed significant new use rules, TSCA 5(e) substance consent order, TSCA 6 final risk management, TSCA 6 proposed risk management. TSCA 8(a) CAIR, TSCA 8(a) chemical risk rules, TSCA 8(a) dioxin/furane precursor, TSCA 8(a) IUR Exempt/Partial exemption, TSCA 8(c) calls for record of SAR, TSCA 8(d) H and S data reporting, TSCA 12(b) annual export notification, TSCA 12(b) one-time export, Commerce control list precursor, SARA 302/304/311/312 extremely hazardous substances: SARA 302/304 emergency planning and notification. Clean Water Act (CWA) 307, Clean Air Act (CAA) 112 accidental release prevention, Clean Air Act (CAA) 112 regulated flammable substances, Clean Air Act (CAA) 112 regulated toxic substances.

**International Lists:** Canada inventory: All components are listed or exempted. Australia inventory (AICS): All components are listed or exempted. China inventory (IECSC): At least one component is not listed. Japan inventory: At least one component is not listed. Korea inventory: All components are listed or exempted. New Zealand Inventory of Chemicals (NZIOC): At least one component is not listed. Philippines inventory (PICCS): At least one component is not listed.

Europe Inventory: This product does not meet the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC and subsequent Directives.

## 16. OTHER INFORMATION

**Label Requirements:** NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

**Abbreviations** EPA: United States Environmental Protection Agency  
**And Acronyms:** IMDG: International Maritime Code For Dangerous Goods  
NFPA: National Fire Protection Association (USA)  
ARD: European agreement concerning the international carriage of dangerous goods by road  
ACGIH: American Conference of Governmental Industrial Hygienists

DOT: US Department of Transportation  
IATA: International Air Transport Association  
HMIS: Hazardous Materials Identification System (USA).

**Hazardous  
Material  
Information  
System (U.S.A.):**

Health	1
Fire hazard	1
Reactivity	0

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Tommy's Supplies/Starbrite Colors assumes no responsibility for injury to the vendee or third party person proximately caused by the material if reasonable safety procedures are not met as referred to on the data sheets. Furthermore, we also will take no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

# MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION



**Product Name:** Starbrite Tattoo Ink (MADE IN USA)  
**Product Color:** Anceint Slate  
**Pigment Name:** White 6  
**Ingredients C.I.:** #77891  
**Color Mix:** #74160, 77266, 74260  
**Isopropyl Alcohol:** C.A.S. #67-63-0  
**Water:** C.A.S. #7732-18-5

**Producers Info:** Tommy's Supplies  
 34 Egypt Rd. Unit A, Somers, CT 06071  
 P:860-265-2199 E: tommy@tommyssupplies.com  
 Website: www.tommyssupplies.com  
 Website: www.starbritecolors.com

## 2. HAZARDS IDENTIFICATION

**Physical State:** Liquid  
**Odor:** Odorless. [Slight]  
**Color:** White

**OSHA/HCS status:** While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/ec and subsequent Directives, this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and No known significant effects or critical hazards. Available for employees and other users of this product.

**Emergency overview:** No known significant effects or critical hazards.

**EU Hazard Classificaion:** INDEX NUMBER:  
**Of Ingredients Per** 236-675-5, 200-289-5, 231-791-2, & 283-637-9 are not listed in Annex I  
**Directive 1272/2008/EC**

**Eyes & Skin:** May cause mild eye and or skin irritation.  
**Inhalation & Ingestion:** No known significant effects or critical hazards.  
**Routes of Entry:** Dermal contact, Inhalation

**Carcinogenic Effects:** No known significant effects or critical hazards  
**Mutagenic Effects:** No known significant effects or critical hazards  
**Teratogenicity:** No known significant effects or critical hazards

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

All WHMIS required information is included in appropriate sections based on the ANSI Z400 1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250: 2000

### 4. FIRST AID MEASURES

- Eye Contact:** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.
- Skin Contact:** In case of contact, wash skin thoroughly after handling. Get medical attention if symptoms occur.
- Inhalation:** If breathing becomes difficult remove victim from fresh air. If necessary, use artificial respiration to support vital functions. Seek immediate medical attention.
- Ingestion:** Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur immediately.
- Protection of First-Aiders:** No action shall be taken involving any personal risk or without suitable training.

### 5. FIRE FIGHTING MEASURES

- Product Flammability:** In a fire or if heated, a pressure increase will occur and the container may burst.
- Products of Combustion:** Decomposition products may include the following materials: Metal oxide/oxides
- Extinguishing Media:** Use an extinguishing agent suitable for the surrounding fire. Nothing unsuitable known
- Suitable/Not Suitable:** Dermal contact, Inhalation
- Special Exposure Hazards:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special Protective Equipment for Fire Fighters / Flash Point:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. No flash point.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment (see Section 8).
- Environmental Precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods of Clean Up:** Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

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- Handling:** Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.
- Storage:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Consult local authorities for acceptable exposure limits.**

- Engineering Measures:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits. The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

## Personal Protection.

- Respiratory:** Not required in properly ventilated areas. Maintain airborne contaminant concentrations below guidelines listed, if applicable. If necessary, use respiratory 149, 94.4-93, European Standard EN or EU member states.
- Eyes:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If necessary, refer to Canadian Standards, European Standard EN166, Australian Standards, or relevant Japanese Standards.
- Skin:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. If necessary, refer to Canadian Standards, European Standard, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in US OSHA 29 CFR 1910.136.
- Hands:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. If necessary, refer to US OSHA 29 CFR 1910.138, European Standard DIN EN 374, appropriate Canadian Standards, Australian Standards, or relevant Japanese Standards.
- Hygiene Measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid.

**Color:** White.

**Odor:** Slight.

**Boiling/Condensation Point:** Lowest known value: 100°C (212°F)

**Melting/Freezing Point:** May start to solidify at the following temperature: 0°C (32°F)  
This is based on data for the following ingredient: water.

**Flash Point:** Not applicable.

**VOC:** 0%

**Density:** 1.956 g/cm<sup>3</sup> (16.326 lbs/gal)

**Solubility:** Insoluble in the following materials: cold water and hot water.

**Evaporation Rate:** <1 (water) compared with butyl acetate

## 10. STABILITY AND REACTIVITY

**Stability and Reactivity:** The product is stable.

**Hazardous Decomposition Products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Hazardous Polymerization:** Under normal conditions of storage and use, hazardous polymerization will not occur.

**Reactivity - Light:** Not applicable

## 11. TOXICOLOGICAL INFORMATION

**Suspected Cancer Agent:** Ingredients within this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be, nor suspected to be, cancer-causing agents by these agencies.

**Acute Toxicity, Chronic Toxicity, Carcinogenicity, Mutagenicity, Teratogenicity, Reproductive Toxicity:**  
No known significant effects or critical hazards.

## 12. ECOLOGICAL INFORMATION

**Environmental Effects: Aquatic Ecotoxicity, Conclusion/Summary, Biodegradability** Commerce control list precursor: May be water endangering in accordance with EU Guideline 91/155-EWG. Do not allow product to reach ground water or water source of sewage system. At present there are no eco-toxicological assessments for this product.

**Conclusion/Summary** Not Available  
**Other Adverse Effects** No known significant effects or critical hazards.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal:** The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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**Shipping Regulations:** UN Identification Number: Non-Regulated Material

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**Hazards:** of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

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This product is not considered as dangerous goods

### Transport in Bulk According to Annex II Of Marpol 73/78 and IBC Code:

European agreement concerning the international carriage of dangerous goods by road (ADR): This product is not considered by the United Nations Economic Commission for Europe to be dangerous goods.

## 15. REGULATORY INFORMATION

**HCS Classification:** Not Regulated

**TSCA 8(b) Inventory:** Listed

**U.S. Federal Regulations:** TSCA 4(a) final test rules, TSCA 4(a) ITC priority list, TSCA 4(a) proposed test rules, TSCA 5(a)2 final significant new use rules, TSCA 5(a)2 proposed significant new use rules, TSCA 5(e) substance consent order, TSCA 6 final risk management, TSCA 6 proposed risk management. TSCA 8(a) CAIR, TSCA 8(a) chemical risk rules, TSCA 8(a) dioxin/furane precursor, TSCA 8(a) IUR Exempt/Partial exemption, TSCA 8(c) calls for record of SAR, TSCA 8(d) H and S data reporting, TSCA 12(b) annual export notification, TSCA 12(b) one-time export, Commerce control list precursor, SARA 302/304/311/312 extremely hazardous substances: SARA 302/304 emergency planning and notification. Clean Water Act (CWA) 307, Clean Air Act (CAA) 112 accidental release prevention, Clean Air Act (CAA) 112 regulated flammable substances, Clean Air Act (CAA) 112 regulated toxic substances.

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Europe Inventory: This product does not meet the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC and subsequent Directives.

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ACGIH: American Conference of Governmental Industrial Hygienists

DOT: US Department of Transportation  
IATA: International Air Transport Association  
HMIS: Hazardous Materials Identification System (USA).

**Hazardous  
Material  
Information  
System (U.S.A.):**

Health	1
Fire hazard	1
Reactivity	0

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Tommy's Supplies/Starbrite Colors assumes no responsibility for injury to the vendee or third party person proximately caused by the material if reasonable safety procedures are not met as referred to on the data sheets. Furthermore, we also will take no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

# MATERIAL SAFETY DATA SHEET

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**Product Color:** Bermuda Triangle  
**Pigment Name:** White 6  
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**Color Mix:** #74160, 77266, 74260, 11741  
**Isopropyl Alcohol:** C.A.S. #67-63-0  
**Water:** C.A.S. #7732-18-5

**Producers Info:** Tommy's Supplies  
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**Mutagenic Effects:** No known significant effects or critical hazards  
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- Skin Contact:** In case of contact, wash skin thoroughly after handling. Get medical attention if symptoms occur.
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- Protection of First-Aiders:** No action shall be taken involving any personal risk or without suitable training.

### 5. FIRE FIGHTING MEASURES

- Product Flammability:** In a fire or if heated, a pressure increase will occur and the container may burst.
- Products of Combustion:** Decomposition products may include the following materials: Metal oxide/oxides
- Extinguishing Media:** Use an extinguishing agent suitable for the surrounding fire. Nothing unsuitable known
- Suitable/Not Suitable:** Dermal contact, Inhalation
- Special Exposure Hazards:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special Protective Equipment for Fire Fighters / Flash Point:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. No flash point.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment (see Section 8).
- Environmental Precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods of Clean Up:** Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

## 7. HANDLING AND STORAGE

- Handling:** Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.
- Storage:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Consult local authorities for acceptable exposure limits.**

- Engineering Measures:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits. The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

## Personal Protection.

- Respiratory:** Not required in properly ventilated areas. Maintain airborne contaminant concentrations below guidelines listed, if applicable. If necessary, use respiratory 149, 94.4-93, European Standard EN or EU member states.
- Eyes:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If necessary, refer to Canadian Standards, European Standard EN166, Australian Standards, or relevant Japanese Standards.
- Skin:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. If necessary, refer to Canadian Standards, European Standard, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in US OSHA 29 CFR 1910.136.
- Hands:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. If necessary, refer to US OSHA 29 CFR 1910.138, European Standard DIN EN 374, appropriate Canadian Standards, Australian Standards, or relevant Japanese Standards.
- Hygiene Measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid.

**Color:** White.

**Odor:** Slight.

**Boiling/Condensation Point:** Lowest known value: 100°C (212°F)

**Melting/Freezing Point:** May start to solidify at the following temperature: 0°C (32°F)  
This is based on data for the following ingredient: water.

**Flash Point:** Not applicable.

**VOC:** 0%

**Density:** 1.956 g/cm<sup>3</sup> (16.326 lbs/gal)

**Solubility:** Insoluble in the following materials: cold water and hot water.

**Evaporation Rate:** <1 (water) compared with butyl acetate

## 10. STABILITY AND REACTIVITY

**Stability and Reactivity:** The product is stable.

**Hazardous Decomposition** Under normal conditions of storage and use,  
**Products:** hazardous decomposition products should not be produced.

**Hazardous Polymerization:** Under normal conditions of storage and use, hazardous polymerization will not occur.

**Reactivity - Light:** Not applicable

## 11. TOXICOLOGICAL INFORMATION

**Suspected Cancer Agent:** Ingredients within this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be, nor suspected to be, cancer-causing agents by these agencies.

**Acute Toxicity, Chronic Toxicity, Carcinogenicity, Mutagenicity, Teratogenicity, Reproductive Toxicity:**  
No known significant effects or critical hazards.

## 12. ECOLOGICAL INFORMATION

**Environmental Effects: Aquatic Ecotoxicity, Conclusion/Summary, Biodegradability** Commerce control list precursor: May be water endangering in accordance with EU Guideline 91/155-EWG. Do not allow product to reach ground water or water source of sewage system. At present there are no eco-toxicological assessments for this product.

**Conclusion/Summary** Not Available  
**Other Adverse Effects** No known significant effects or critical hazards.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal:** The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Waste disposal must be in accordance with appropriate US Federal, State, and Local regulations, along with those of Canada, Australia, EU Member States, and Japan.

## 14. TRANSPORTATION INFORMATION

**US Transportation** This product is classified (Per 49 CFR 172.101) by the US Department of Transportation, as follows:  
**Shipping Regulations:** UN Identification Number: Non-Regulated Material

**Environmental** Marine Pollutant: The components of this product are not designated by the Department  
**Hazards:** of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

### International Maritime Organization and Air Transport Association Shipping Information (IMO):

This product is not considered as dangerous goods

### Transport in Bulk According to Annex II Of Marpol 73/78 and IBC Code:

European agreement concerning the international carriage of dangerous goods by road (ADR): This product is not considered by the United Nations Economic Commission for Europe to be dangerous goods.

## 15. REGULATORY INFORMATION

**HCS Classification:** Not Regulated

**TSCA 8(b) Inventory:** Listed

**U.S. Federal Regulations:** TSCA 4(a) final test rules, TSCA 4(a) ITC priority list, TSCA 4(a) proposed test rules, TSCA 5(a)2 final significant new use rules, TSCA 5(a)2 proposed significant new use rules, TSCA 5(e) substance consent order, TSCA 6 final risk management, TSCA 6 proposed risk management. TSCA 8(a) CAIR, TSCA 8(a) chemical risk rules, TSCA 8(a) dioxin/furane precursor, TSCA 8(a) IUR Exempt/Partial exemption, TSCA 8(c) calls for record of SAR, TSCA 8(d) H and S data reporting, TSCA 12(b) annual export notification, TSCA 12(b) one-time export, Commerce control list precursor, SARA 302/304/311/312 extremely hazardous substances: SARA 302/304 emergency planning and notification. Clean Water Act (CWA) 307, Clean Air Act (CAA) 112 accidental release prevention, Clean Air Act (CAA) 112 regulated flammable substances, Clean Air Act (CAA) 112 regulated toxic substances.

**International Lists:** Canada inventory: All components are listed or exempted. Australia inventory (AICS): All components are listed or exempted. China inventory (IECSC): At least one component is not listed. Japan inventory: At least one component is not listed. Korea inventory: All components are listed or exempted. New Zealand Inventory of Chemicals (NZIOC): At least one component is not listed. Philippines inventory (PICCS): At least one component is not listed.

Europe Inventory: This product does not meet the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC and subsequent Directives.

## 16. OTHER INFORMATION

**Label Requirements:** NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

**Abbreviations** EPA: United States Environmental Protection Agency  
**And Acronyms:** IMDG: International Maritime Code For Dangerous Goods  
NFPA: National Fire Protection Association (USA)  
ARD: European agreement concerning the international carriage of dangerous goods by road  
ACGIH: American Conference of Governmental Industrial Hygienists

DOT: US Department of Transportation  
IATA: International Air Transport Association  
HMIS: Hazardous Materials Identification System (USA).

**Hazardous  
Material  
Information  
System (U.S.A.):**

Health	1
Fire hazard	1
Reactivity	0

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Tommy's Supplies/Starbrite Colors assumes no responsibility for injury to the vendee or third party person proximately caused by the material if reasonable safety procedures are not met as referred to on the data sheets. Furthermore, we also will take no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

# MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION



**Product Name:** Starbrite Tattoo Ink (MADE IN USA)  
**Product Color:** Blitzkrieg Green  
**Pigment Name:** Green 7  
**Ingredients C.I.:** #74260  
**Color Mix:** #77891, 77266, 11741  
**Isopropyl Alcohol:** C.A.S. #67-63-0  
**Water:** C.A.S. #7732-18-5

**Producers Info:** Tommy's Supplies  
 34 Egypt Rd. Unit A, Somers, CT 06071  
 P:860-265-2199 E: tommy@tommyssupplies.com  
 Website: www.tommyssupplies.com  
 Website: www.starbritecolors.com

## 2. HAZARDS IDENTIFICATION

**Physical State:** Liquid  
**Odor:** Odorless. [Slight]  
**Color:** White

**OSHA/HCS status:** While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives, this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and No known significant effects or critical hazards. Available for employees and other users of this product.

**Emergency overview:** No known significant effects or critical hazards.

**EU Hazard Classification:** INDEX NUMBER:  
**Of Ingredients Per Directive 1272/2008/EC** 236-675-5, 200-289-5, 231-791-2, & 283-637-9 are not listed in Annex I

**Eyes & Skin:** May cause mild eye and or skin irritation.  
**Inhalation & Ingestion:** No known significant effects or critical hazards.  
**Routes of Entry:** Dermal contact, Inhalation

**Carcinogenic Effects:** No known significant effects or critical hazards  
**Mutagenic Effects:** No known significant effects or critical hazards  
**Teratogenicity:** No known significant effects or critical hazards

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

All WHMIS required information is included in appropriate sections based on the ANSI Z400 1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250: 2000

### 4. FIRST AID MEASURES

- Eye Contact:** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.
- Skin Contact:** In case of contact, wash skin thoroughly after handling. Get medical attention if symptoms occur.
- Inhalation:** If breathing becomes difficult remove victim from fresh air. If necessary, use artificial respiration to support vital functions. Seek immediate medical attention.
- Ingestion:** Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur immediately.
- Protection of First-Aiders:** No action shall be taken involving any personal risk or without suitable training.

### 5. FIRE FIGHTING MEASURES

- Product Flammability:** In a fire or if heated, a pressure increase will occur and the container may burst.
- Products of Combustion:** Decomposition products may include the following materials: Metal oxide/oxides
- Extinguishing Media:** Use an extinguishing agent suitable for the surrounding fire. Nothing unsuitable known
- Suitable/Not Suitable:** Dermal contact, Inhalation
- Special Exposure Hazards:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special Protective Equipment for Fire Fighters / Flash Point:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. No flash point.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment (see Section 8).
- Environmental Precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods of Clean Up:** Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

## 7. HANDLING AND STORAGE

- Handling:** Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.
- Storage:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Consult local authorities for acceptable exposure limits.**

- Engineering Measures:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits. The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

## Personal Protection.

- Respiratory:** Not required in properly ventilated areas. Maintain airborne contaminant concentrations below guidelines listed, if applicable. If necessary, use respiratory 149, 94.4-93, European Standard EN or EU member states.
- Eyes:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If necessary, refer to Canadian Standards, European Standard EN166, Australian Standards, or relevant Japanese Standards.
- Skin:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. If necessary, refer to Canadian Standards, European Standard, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in US OSHA 29 CFR 1910.136.
- Hands:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. If necessary, refer to US OSHA 29 CFR 1910.138, European Standard DIN EN 374, appropriate Canadian Standards, Australian Standards, or relevant Japanese Standards.
- Hygiene Measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid.

**Color:** White.

**Odor:** Slight.

**Boiling/Condensation Point:** Lowest known value: 100°C (212°F)

**Melting/Freezing Point:** May start to solidify at the following temperature: 0°C (32°F)  
This is based on data for the following ingredient: water.

**Flash Point:** Not applicable.

**VOC:** 0%

**Density:** 1.956 g/cm<sup>3</sup> (16.326 lbs/gal)

**Solubility:** Insoluble in the following materials: cold water and hot water.

**Evaporation Rate:** <1 (water) compared with butyl acetate

## 10. STABILITY AND REACTIVITY

**Stability and Reactivity:** The product is stable.

**Hazardous Decomposition** Under normal conditions of storage and use,  
**Products:** hazardous decomposition products should not be produced.

**Hazardous Polymerization:** Under normal conditions of storage and use, hazardous polymerization will not occur.

**Reactivity - Light:** Not applicable

## 11. TOXICOLOGICAL INFORMATION

**Suspected Cancer Agent:** Ingredients within this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be, nor suspected to be, cancer-causing agents by these agencies.

**Acute Toxicity, Chronic Toxicity, Carcinogenicity, Mutagenicity, Teratogenicity, Reproductive Toxicity:**  
No known significant effects or critical hazards.

## 12. ECOLOGICAL INFORMATION

**Environmental Effects: Aquatic Ecotoxicity, Conclusion/Summary, Biodegradability** Commerce control list precursor: May be water endangering in accordance with EU Guideline 91/155-EWG. Do not allow product to reach ground water or water source of sewage system. At present there are no eco-toxicological assessments for this product.

**Conclusion/Summary** Not Available  
**Other Adverse Effects** No known significant effects or critical hazards.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal:** The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Waste disposal must be in accordance with appropriate US Federal, State, and Local regulations, along with those of Canada, Australia, EU Member States, and Japan.

## 14. TRANSPORTATION INFORMATION

**US Transportation** This product is classified (Per 49 CFR 172.101) by the US Department of Transportation, as follows:  
**Shipping Regulations:** UN Identification Number: Non-Regulated Material

**Environmental** Marine Pollutant: The components of this product are not designated by the Department  
**Hazards:** of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

### International Maritime Organization and Air Transport Association Shipping Information (IMO):

This product is not considered as dangerous goods

### Transport in Bulk According to Annex II Of Marpol 73/78 and IBC Code:

European agreement concerning the international carriage of dangerous goods by road (ADR): This product is not considered by the United Nations Economic Commission for Europe to be dangerous goods.

## 15. REGULATORY INFORMATION

**HCS Classification:** Not Regulated

**TSCA 8(b) Inventory:** Listed

**U.S. Federal Regulations:** TSCA 4(a) final test rules, TSCA 4(a) ITC priority list, TSCA 4(a) proposed test rules, TSCA 5(a)2 final significant new use rules, TSCA 5(a)2 proposed significant new use rules, TSCA 5(e) substance consent order, TSCA 6 final risk management, TSCA 6 proposed risk management. TSCA 8(a) CAIR, TSCA 8(a) chemical risk rules, TSCA 8(a) dioxin/furane precursor, TSCA 8(a) IUR Exempt/Partial exemption, TSCA 8(c) calls for record of SAR, TSCA 8(d) H and S data reporting, TSCA 12(b) annual export notification, TSCA 12(b) one-time export, Commerce control list precursor, SARA 302/304/311/312 extremely hazardous substances: SARA 302/304 emergency planning and notification. Clean Water Act (CWA) 307, Clean Air Act (CAA) 112 accidental release prevention, Clean Air Act (CAA) 112 regulated flammable substances, Clean Air Act (CAA) 112 regulated toxic substances.

**International Lists:** Canada inventory: All components are listed or exempted. Australia inventory (AICS): All components are listed or exempted. China inventory (IECSC): At least one component is not listed. Japan inventory: At least one component is not listed. Korea inventory: All components are listed or exempted. New Zealand Inventory of Chemicals (NZIOC): At least one component is not listed. Philippines inventory (PICCS): At least one component is not listed.

Europe Inventory: This product does not meet the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC and subsequent Directives.

## 16. OTHER INFORMATION

**Label Requirements:** NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

**Abbreviations** EPA: United States Environmental Protection Agency  
**And Acronyms:** IMDG: International Maritime Code For Dangerous Goods  
NFPA: National Fire Protection Association (USA)  
ARD: European agreement concerning the international carriage of dangerous goods by road  
ACGIH: American Conference of Governmental Industrial Hygienists

DOT: US Department of Transportation  
IATA: International Air Transport Association  
HMIS: Hazardous Materials Identification System (USA).

**Hazardous  
Material  
Information  
System (U.S.A.):**

Health	1
Fire hazard	1
Reactivity	0

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Tommy's Supplies/Starbrite Colors assumes no responsibility for injury to the vendee or third party person proximately caused by the material if reasonable safety procedures are not met as referred to on the data sheets. Furthermore, we also will take no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

# MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION



**Product Name:** Starbrite Tattoo Ink (MADE IN USA)  
**Product Color:** Fallen Sky  
**Pigment Name:** White 6  
**Ingredients C.I.:** #77891  
**Color Mix:** #74160, 77266, 74260  
**Isopropyl Alcohol:** C.A.S. #67-63-0  
**Water:** C.A.S. #7732-18-5

**Producers Info:** Tommy's Supplies  
 34 Egypt Rd. Unit A, Somers, CT 06071  
 P:860-265-2199 E: tommy@tommyssupplies.com  
 Website: www.tommyssupplies.com  
 Website: www.starbritecolors.com

## 2. HAZARDS IDENTIFICATION

**Physical State:** Liquid  
**Odor:** Odorless. [Slight]  
**Color:** White

**OSHA/HCS status:** While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/ec and subsequent Directives, this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and No known significant effects or critical hazards. Available for employees and other users of this product.

**Emergency overview:** No known significant effects or critical hazards.

**EU Hazard Classificaion:** INDEX NUMBER:  
**Of Ingredients Per** 236-675-5, 200-289-5, 231-791-2, & 283-637-9 are not listed in Annex I  
**Directive 1272/2008/EC**

**Eyes & Skin:** May cause mild eye and or skin irritation.  
**Inhalation & Ingestion:** No known significant effects or critical hazards.  
**Routes of Entry:** Dermal contact, Inhalation

**Carcinogenic Effects:** No known significant effects or critical hazards  
**Mutagenic Effects:** No known significant effects or critical hazards  
**Teratogenicity:** No known significant effects or critical hazards

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

All WHMIS required information is included in appropriate sections based on the ANSI Z400 1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250: 2000

### 4. FIRST AID MEASURES

- Eye Contact:** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.
- Skin Contact:** In case of contact, wash skin thoroughly after handling. Get medical attention if symptoms occur.
- Inhalation:** If breathing becomes difficult remove victim from fresh air. If necessary, use artificial respiration to support vital functions. Seek immediate medical attention.
- Ingestion:** Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur immediately.
- Protection of First-Aiders:** No action shall be taken involving any personal risk or without suitable training.

### 5. FIRE FIGHTING MEASURES

- Product Flammability:** In a fire or if heated, a pressure increase will occur and the container may burst.
- Products of Combustion:** Decomposition products may include the following materials: Metal oxide/oxides
- Extinguishing Media:** Use an extinguishing agent suitable for the surrounding fire. Nothing unsuitable known
- Suitable/Not Suitable:** Dermal contact, Inhalation
- Special Exposure Hazards:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special Protective Equipment for Fire Fighters / Flash Point:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. No flash point.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment (see Section 8).
- Environmental Precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods of Clean Up:** Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

## 7. HANDLING AND STORAGE

- Handling:** Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.
- Storage:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Consult local authorities for acceptable exposure limits.**

- Engineering Measures:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits. The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

## Personal Protection.

- Respiratory:** Not required in properly ventilated areas. Maintain airborne contaminant concentrations below guidelines listed, if applicable. If necessary, use respiratory 149, 94.4-93, European Standard EN or EU member states.
- Eyes:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If necessary, refer to Canadian Standards, European Standard EN166, Australian Standards, or relevant Japanese Standards.
- Skin:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. If necessary, refer to Canadian Standards, European Standard, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in US OSHA 29 CFR 1910.136.
- Hands:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. If necessary, refer to US OSHA 29 CFR 1910.138, European Standard DIN EN 374, appropriate Canadian Standards, Australian Standards, or relevant Japanese Standards.
- Hygiene Measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid.

**Color:** White.

**Odor:** Slight.

**Boiling/Condensation Point:** Lowest known value: 100°C (212°F)

**Melting/Freezing Point:** May start to solidify at the following temperature: 0°C (32°F)  
This is based on data for the following ingredient: water.

**Flash Point:** Not applicable.

**VOC:** 0%

**Density:** 1.956 g/cm<sup>3</sup> (16.326 lbs/gal)

**Solubility:** Insoluble in the following materials: cold water and hot water.

**Evaporation Rate:** <1 (water) compared with butyl acetate

## 10. STABILITY AND REACTIVITY

**Stability and Reactivity:** The product is stable.

**Hazardous Decomposition** Under normal conditions of storage and use,  
**Products:** hazardous decomposition products should not be produced.

**Hazardous Polymerization:** Under normal conditions of storage and use, hazardous polymerization will not occur.

**Reactivity - Light:** Not applicable

## 11. TOXICOLOGICAL INFORMATION

**Suspected Cancer Agent:** Ingredients within this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be, nor suspected to be, cancer-causing agents by these agencies.

**Acute Toxicity, Chronic Toxicity, Carcinogenicity, Mutagenicity, Teratogenicity, Reproductive Toxicity:**  
No known significant effects or critical hazards.

## 12. ECOLOGICAL INFORMATION

**Environmental Effects: Aquatic Ecotoxicity, Conclusion/Summary, Biodegradability** Commerce control list precursor: May be water endangering in accordance with EU Guideline 91/155-EWG. Do not allow product to reach ground water or water source of sewage system. At present there are no eco-toxicological assessments for this product.

**Conclusion/Summary** Not Available  
**Other Adverse Effects** No known significant effects or critical hazards.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal:** The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Waste disposal must be in accordance with appropriate US Federal, State, and Local regulations, along with those of Canada, Australia, EU Member States, and Japan.

## 14. TRANSPORTATION INFORMATION

**US Transportation** This product is classified (Per 49 CFR 172.101) by the US Department of Transportation, as follows:  
**Shipping Regulations:** UN Identification Number: Non-Regulated Material

**Environmental** Marine Pollutant: The components of this product are not designated by the Department  
**Hazards:** of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

### International Maritime Organization and Air Transport Association Shipping Information (IMO):

This product is not considered as dangerous goods

### Transport in Bulk According to Annex II Of Marpol 73/78 and IBC Code:

European agreement concerning the international carriage of dangerous goods by road (ADR): This product is not considered by the United Nations Economic Commission for Europe to be dangerous goods.

## 15. REGULATORY INFORMATION

**HCS Classification:** Not Regulated

**TSCA 8(b) Inventory:** Listed

**U.S. Federal Regulations:** TSCA 4(a) final test rules, TSCA 4(a) ITC priority list, TSCA 4(a) proposed test rules, TSCA 5(a)2 final significant new use rules, TSCA 5(a)2 proposed significant new use rules, TSCA 5(e) substance consent order, TSCA 6 final risk management, TSCA 6 proposed risk management. TSCA 8(a) CAIR, TSCA 8(a) chemical risk rules, TSCA 8(a) dioxin/furane precursor, TSCA 8(a) IUR Exempt/Partial exemption, TSCA 8(c) calls for record of SAR, TSCA 8(d) H and S data reporting, TSCA 12(b) annual export notification, TSCA 12(b) one-time export, Commerce control list precursor, SARA 302/304/311/312 extremely hazardous substances: SARA 302/304 emergency planning and notification. Clean Water Act (CWA) 307, Clean Air Act (CAA) 112 accidental release prevention, Clean Air Act (CAA) 112 regulated flammable substances, Clean Air Act (CAA) 112 regulated toxic substances.

**International Lists:** Canada inventory: All components are listed or exempted. Australia inventory (AICS): All components are listed or exempted. China inventory (IECSC): At least one component is not listed. Japan inventory: At least one component is not listed. Korea inventory: All components are listed or exempted. New Zealand Inventory of Chemicals (NZIOC): At least one component is not listed. Philippines inventory (PICCS): At least one component is not listed.

Europe Inventory: This product does not meet the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC and subsequent Directives.

## 16. OTHER INFORMATION

**Label Requirements:** NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

**Abbreviations** EPA: United States Environmental Protection Agency  
**And Acronyms:** IMDG: International Maritime Code For Dangerous Goods  
NFPA: National Fire Protection Association (USA)  
ARD: European agreement concerning the international carriage of dangerous goods by road  
ACGIH: American Conference of Governmental Industrial Hygienists

DOT: US Department of Transportation  
IATA: International Air Transport Association  
HMIS: Hazardous Materials Identification System (USA).

**Hazardous  
Material  
Information  
System (U.S.A.):**

Health	1
Fire hazard	1
Reactivity	0

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Tommy's Supplies/Starbrite Colors assumes no responsibility for injury to the vendee or third party person proximately caused by the material if reasonable safety procedures are not met as referred to on the data sheets. Furthermore, we also will take no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

# MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION



**Product Name:** Starbrite Tattoo Ink (MADE IN USA)  
**Product Color:** Green Abyss  
**Pigment Name:** Green 7  
**Ingredients C.I.:** #74260  
**Color Mix:** #77891, 77266, 11741  
**Isopropyl Alcohol:** C.A.S. #67-63-0  
**Water:** C.A.S. #7732-18-5

**Producers Info:** Tommy's Supplies  
 34 Egypt Rd. Unit A, Somers, CT 06071  
 P:860-265-2199 E: tommy@tommyssupplies.com  
 Website: www.tommyssupplies.com  
 Website: www.starbritecolors.com

## 2. HAZARDS IDENTIFICATION

**Physical State:** Liquid  
**Odor:** Odorless. [Slight]  
**Color:** White

**OSHA/HCS status:** While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/ec and subsequent Directives, this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and No known significant effects or critical hazards. Available for employees and other users of this product.

**Emergency overview:** No known significant effects or critical hazards.

**EU Hazard Classificaion:** INDEX NUMBER:  
**Of Ingredients Per** 236-675-5, 200-289-5, 231-791-2, & 283-637-9 are not listed in Annex I  
**Directive 1272/2008/EC**

**Eyes & Skin:** May cause mild eye and or skin irritation.  
**Inhalation & Ingestion:** No known significant effects or critical hazards.  
**Routes of Entry:** Dermal contact, Inhalation

**Carcinogenic Effects:** No known significant effects or critical hazards  
**Mutagenic Effects:** No known significant effects or critical hazards  
**Teratogenicity:** No known significant effects or critical hazards

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

All WHMIS required information is included in appropriate sections based on the ANSI Z400 1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250: 2000

### 4. FIRST AID MEASURES

- Eye Contact:** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.
- Skin Contact:** In case of contact, wash skin thoroughly after handling. Get medical attention if symptoms occur.
- Inhalation:** If breathing becomes difficult remove victim from fresh air. If necessary, use artificial respiration to support vital functions. Seek immediate medical attention.
- Ingestion:** Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur immediately.
- Protection of First-Aiders:** No action shall be taken involving any personal risk or without suitable training.

### 5. FIRE FIGHTING MEASURES

- Product Flammability:** In a fire or if heated, a pressure increase will occur and the container may burst.
- Products of Combustion:** Decomposition products may include the following materials: Metal oxide/oxides
- Extinguishing Media:** Use an extinguishing agent suitable for the surrounding fire. Nothing unsuitable known
- Suitable/Not Suitable:** Dermal contact, Inhalation
- Special Exposure Hazards:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special Protective Equipment for Fire Fighters / Flash Point:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. No flash point.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment (see Section 8).
- Environmental Precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods of Clean Up:** Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

## 7. HANDLING AND STORAGE

- Handling:** Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.
- Storage:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Consult local authorities for acceptable exposure limits.**

- Engineering Measures:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits. The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

## Personal Protection.

- Respiratory:** Not required in properly ventilated areas. Maintain airborne contaminant concentrations below guidelines listed, if applicable. If necessary, use respiratory 149, 94.4-93, European Standard EN or EU member states.
- Eyes:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If necessary, refer to Canadian Standards, European Standard EN166, Australian Standards, or relevant Japanese Standards.
- Skin:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. If necessary, refer to Canadian Standards, European Standard, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in US OSHA 29 CFR 1910.136.
- Hands:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. If necessary, refer to US OSHA 29 CFR 1910.138, European Standard DIN EN 374, appropriate Canadian Standards, Australian Standards, or relevant Japanese Standards.
- Hygiene Measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid.

**Color:** White.

**Odor:** Slight.

**Boiling/Condensation Point:** Lowest known value: 100°C (212°F)

**Melting/Freezing Point:** May start to solidify at the following temperature: 0°C (32°F)  
This is based on data for the following ingredient: water.

**Flash Point:** Not applicable.

**VOC:** 0%

**Density:** 1.956 g/cm<sup>3</sup> (16.326 lbs/gal)

**Solubility:** Insoluble in the following materials: cold water and hot water.

**Evaporation Rate:** <1 (water) compared with butyl acetate

## 10. STABILITY AND REACTIVITY

**Stability and Reactivity:** The product is stable.

**Hazardous Decomposition** Under normal conditions of storage and use,  
**Products:** hazardous decomposition products should not be produced.

**Hazardous Polymerization:** Under normal conditions of storage and use, hazardous polymerization will not occur.

**Reactivity - Light:** Not applicable

## 11. TOXICOLOGICAL INFORMATION

**Suspected Cancer Agent:** Ingredients within this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be, nor suspected to be, cancer-causing agents by these agencies.

**Acute Toxicity, Chronic Toxicity, Carcinogenicity, Mutagenicity, Teratogenicity, Reproductive Toxicity:**  
No known significant effects or critical hazards.

## 12. ECOLOGICAL INFORMATION

**Environmental Effects: Aquatic Ecotoxicity, Conclusion/Summary, Biodegradability** Commerce control list precursor: May be water endangering in accordance with EU Guideline 91/155-EWG. Do not allow product to reach ground water or water source of sewage system. At present there are no eco-toxicological assessments for this product.

**Conclusion/Summary** Not Available  
**Other Adverse Effects** No known significant effects or critical hazards.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal:** The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Waste disposal must be in accordance with appropriate US Federal, State, and Local regulations, along with those of Canada, Australia, EU Member States, and Japan.

## 14. TRANSPORTATION INFORMATION

**US Transportation** This product is classified (Per 49 CFR 172.101) by the US Department of Transportation, as follows:  
**Shipping Regulations:** UN Identification Number: Non-Regulated Material

**Environmental** Marine Pollutant: The components of this product are not designated by the Department  
**Hazards:** of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

### International Maritime Organization and Air Transport Association Shipping Information (IMO):

This product is not considered as dangerous goods

### Transport in Bulk According to Annex II Of Marpol 73/78 and IBC Code:

European agreement concerning the international carriage of dangerous goods by road (ADR): This product is not considered by the United Nations Economic Commission for Europe to be dangerous goods.

## 15. REGULATORY INFORMATION

**HCS Classification:** Not Regulated

**TSCA 8(b) Inventory:** Listed

**U.S. Federal Regulations:** TSCA 4(a) final test rules, TSCA 4(a) ITC priority list, TSCA 4(a) proposed test rules, TSCA 5(a)2 final significant new use rules, TSCA 5(a)2 proposed significant new use rules, TSCA 5(e) substance consent order, TSCA 6 final risk management, TSCA 6 proposed risk management. TSCA 8(a) CAIR, TSCA 8(a) chemical risk rules, TSCA 8(a) dioxin/furane precursor, TSCA 8(a) IUR Exempt/Partial exemption, TSCA 8(c) calls for record of SAR, TSCA 8(d) H and S data reporting, TSCA 12(b) annual export notification, TSCA 12(b) one-time export, Commerce control list precursor, SARA 302/304/311/312 extremely hazardous substances: SARA 302/304 emergency planning and notification. Clean Water Act (CWA) 307, Clean Air Act (CAA) 112 accidental release prevention, Clean Air Act (CAA) 112 regulated flammable substances, Clean Air Act (CAA) 112 regulated toxic substances.

**International Lists:** Canada inventory: All components are listed or exempted. Australia inventory (AICS): All components are listed or exempted. China inventory (IECSC): At least one component is not listed. Japan inventory: At least one component is not listed. Korea inventory: All components are listed or exempted. New Zealand Inventory of Chemicals (NZIOC): At least one component is not listed. Philippines inventory (PICCS): At least one component is not listed.

Europe Inventory: This product does not meet the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC and subsequent Directives.

## 16. OTHER INFORMATION

**Label Requirements:** NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

**Abbreviations** EPA: United States Environmental Protection Agency  
**And Acronyms:** IMDG: International Maritime Code For Dangerous Goods  
NFPA: National Fire Protection Association (USA)  
ARD: European agreement concerning the international carriage of dangerous goods by road  
ACGIH: American Conference of Governmental Industrial Hygienists

DOT: US Department of Transportation  
IATA: International Air Transport Association  
HMIS: Hazardous Materials Identification System (USA).

**Hazardous  
Material  
Information  
System (U.S.A.):**

Health	1
Fire hazard	1
Reactivity	0

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Tommy's Supplies/Starbrite Colors assumes no responsibility for injury to the vendee or third party person proximately caused by the material if reasonable safety procedures are not met as referred to on the data sheets. Furthermore, we also will take no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

# MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION



**Product Name:** Starbrite Tattoo Ink (MADE IN USA)  
**Product Color:** Murky Tomb  
**Pigment Name:** White 6  
**Ingredients C.I.:** #77891  
**Color Mix:** #74160, 77266, 74260  
**Isopropyl Alcohol:** C.A.S. #67-63-0  
**Water:** C.A.S. #7732-18-5

**Producers Info:** Tommy's Supplies  
 34 Egypt Rd. Unit A, Somers, CT 06071  
 P:860-265-2199 E: tommy@tommyssupplies.com  
 Website: www.tommyssupplies.com  
 Website: www.starbritecolors.com

## 2. HAZARDS IDENTIFICATION

**Physical State:** Liquid  
**Odor:** Odorless. [Slight]  
**Color:** White

**OSHA/HCS status:** While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/ec and subsequent Directives, this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and No known significant effects or critical hazards. Available for employees and other users of this product.

**Emergency overview:** No known significant effects or critical hazards.

**EU Hazard Classificaion:** INDEX NUMBER:  
**Of Ingredients Per** 236-675-5, 200-289-5, 231-791-2, & 283-637-9 are not listed in Annex I  
**Directive 1272/2008/EC**

**Eyes & Skin:** May cause mild eye and or skin irritation.  
**Inhalation & Ingestion:** No known significant effects or critical hazards.  
**Routes of Entry:** Dermal contact, Inhalation

**Carcinogenic Effects:** No known significant effects or critical hazards  
**Mutagenic Effects:** No known significant effects or critical hazards  
**Teratogenicity:** No known significant effects or critical hazards

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

All WHMIS required information is included in appropriate sections based on the ANSI Z400 1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250: 2000

### 4. FIRST AID MEASURES

- Eye Contact:** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.
- Skin Contact:** In case of contact, wash skin thoroughly after handling. Get medical attention if symptoms occur.
- Inhalation:** If breathing becomes difficult remove victim from fresh air. If necessary, use artificial respiration to support vital functions. Seek immediate medical attention.
- Ingestion:** Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur immediately.
- Protection of First-Aiders:** No action shall be taken involving any personal risk or without suitable training.

### 5. FIRE FIGHTING MEASURES

- Product Flammability:** In a fire or if heated, a pressure increase will occur and the container may burst.
- Products of Combustion:** Decomposition products may include the following materials: Metal oxide/oxides
- Extinguishing Media:** Use an extinguishing agent suitable for the surrounding fire. Nothing unsuitable known
- Suitable/Not Suitable:** Dermal contact, Inhalation
- Special Exposure Hazards:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special Protective Equipment for Fire Fighters / Flash Point:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. No flash point.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment (see Section 8).
- Environmental Precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods of Clean Up:** Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

## 7. HANDLING AND STORAGE

- Handling:** Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.
- Storage:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Consult local authorities for acceptable exposure limits.**

- Engineering Measures:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits. The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

## Personal Protection.

- Respiratory:** Not required in properly ventilated areas. Maintain airborne contaminant concentrations below guidelines listed, if applicable. If necessary, use respiratory 149, 94.4-93, European Standard EN or EU member states.
- Eyes:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If necessary, refer to Canadian Standards, European Standard EN166, Australian Standards, or relevant Japanese Standards.
- Skin:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. If necessary, refer to Canadian Standards, European Standard, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in US OSHA 29 CFR 1910.136.
- Hands:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. If necessary, refer to US OSHA 29 CFR 1910.138, European Standard DIN EN 374, appropriate Canadian Standards, Australian Standards, or relevant Japanese Standards.
- Hygiene Measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid.

**Color:** White.

**Odor:** Slight.

**Boiling/Condensation Point:** Lowest known value: 100°C (212°F)

**Melting/Freezing Point:** May start to solidify at the following temperature: 0°C (32°F)  
This is based on data for the following ingredient: water.

**Flash Point:** Not applicable.

**VOC:** 0%

**Density:** 1.956 g/cm<sup>3</sup> (16.326 lbs/gal)

**Solubility:** Insoluble in the following materials: cold water and hot water.

**Evaporation Rate:** <1 (water) compared with butyl acetate

## 10. STABILITY AND REACTIVITY

**Stability and Reactivity:** The product is stable.

**Hazardous Decomposition** Under normal conditions of storage and use,  
**Products:** hazardous decomposition products should not be produced.

**Hazardous Polymerization:** Under normal conditions of storage and use, hazardous polymerization will not occur.

**Reactivity - Light:** Not applicable

## 11. TOXICOLOGICAL INFORMATION

**Suspected Cancer Agent:** Ingredients within this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be, nor suspected to be, cancer-causing agents by these agencies.

**Acute Toxicity, Chronic Toxicity, Carcinogenicity, Mutagenicity, Teratogenicity, Reproductive Toxicity:**  
No known significant effects or critical hazards.

## 12. ECOLOGICAL INFORMATION

**Environmental Effects: Aquatic Ecotoxicity, Conclusion/Summary, Biodegradability** Commerce control list precursor: May be water endangering in accordance with EU Guideline 91/155-EWG. Do not allow product to reach ground water or water source of sewage system. At present there are no eco-toxicological assessments for this product.

**Conclusion/Summary** Not Available  
**Other Adverse Effects** No known significant effects or critical hazards.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal:** The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Waste disposal must be in accordance with appropriate US Federal, State, and Local regulations, along with those of Canada, Australia, EU Member States, and Japan.

## 14. TRANSPORTATION INFORMATION

**US Transportation** This product is classified (Per 49 CFR 172.101) by the US Department of Transportation, as follows:  
**Shipping Regulations:** UN Identification Number: Non-Regulated Material

**Environmental** Marine Pollutant: The components of this product are not designated by the Department  
**Hazards:** of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

### International Maritime Organization and Air Transport Association Shipping Information (IMO):

This product is not considered as dangerous goods

### Transport in Bulk According to Annex II Of Marpol 73/78 and IBC Code:

European agreement concerning the international carriage of dangerous goods by road (ADR): This product is not considered by the United Nations Economic Commission for Europe to be dangerous goods.

## 15. REGULATORY INFORMATION

**HCS Classification:** Not Regulated

**TSCA 8(b) Inventory:** Listed

**U.S. Federal Regulations:** TSCA 4(a) final test rules, TSCA 4(a) ITC priority list, TSCA 4(a) proposed test rules, TSCA 5(a)2 final significant new use rules, TSCA 5(a)2 proposed significant new use rules, TSCA 5(e) substance consent order, TSCA 6 final risk management, TSCA 6 proposed risk management. TSCA 8(a) CAIR, TSCA 8(a) chemical risk rules, TSCA 8(a) dioxin/furane precursor, TSCA 8(a) IUR Exempt/Partial exemption, TSCA 8(c) calls for record of SAR, TSCA 8(d) H and S data reporting, TSCA 12(b) annual export notification, TSCA 12(b) one-time export, Commerce control list precursor, SARA 302/304/311/312 extremely hazardous substances: SARA 302/304 emergency planning and notification. Clean Water Act (CWA) 307, Clean Air Act (CAA) 112 accidental release prevention, Clean Air Act (CAA) 112 regulated flammable substances, Clean Air Act (CAA) 112 regulated toxic substances.

**International Lists:** Canada inventory: All components are listed or exempted. Australia inventory (AICS): All components are listed or exempted. China inventory (IECSC): At least one component is not listed. Japan inventory: At least one component is not listed. Korea inventory: All components are listed or exempted. New Zealand Inventory of Chemicals (NZIOC): At least one component is not listed. Philippines inventory (PICCS): At least one component is not listed.

Europe Inventory: This product does not meet the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC and subsequent Directives.

## 16. OTHER INFORMATION

**Label Requirements:** NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

**Abbreviations** EPA: United States Environmental Protection Agency  
**And Acronyms:** IMDG: International Maritime Code For Dangerous Goods  
NFPA: National Fire Protection Association (USA)  
ARD: European agreement concerning the international carriage of dangerous goods by road  
ACGIH: American Conference of Governmental Industrial Hygienists

DOT: US Department of Transportation  
IATA: International Air Transport Association  
HMIS: Hazardous Materials Identification System (USA).

**Hazardous  
Material  
Information  
System (U.S.A.):**

Health	1
Fire hazard	1
Reactivity	0

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Tommy's Supplies/Starbrite Colors assumes no responsibility for injury to the vendee or third party person proximately caused by the material if reasonable safety procedures are not met as referred to on the data sheets. Furthermore, we also will take no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

# MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION



**Product Name:** Starbrite Tattoo Ink (MADE IN USA)  
**Product Color:** Permafrost  
**Pigment Name:** White 6  
**Ingredients C.I.:** #77891  
**Color Mix:** #74260, 74160, 11741  
**Isopropyl Alcohol:** C.A.S. #67-63-0  
**Water:** C.A.S. #7732-18-5

**Producers Info:** Tommy's Supplies  
 34 Egypt Rd. Unit A, Somers, CT 06071  
 P:860-265-2199 E: tommy@tommyssupplies.com  
 Website: www.tommyssupplies.com  
 Website: www.starbritecolors.com

## 2. HAZARDS IDENTIFICATION

**Physical State:** Liquid  
**Odor:** Odorless. [Slight]  
**Color:** White

**OSHA/HCS status:** While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/ec and subsequent Directives, this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and No known significant effects or critical hazards. Available for employees and other users of this product.

**Emergency overview:** No known significant effects or critical hazards.

**EU Hazard Classification:** INDEX NUMBER:  
**Of Ingredients Per Directive 1272/2008/EC** 236-675-5, 200-289-5, 231-791-2, & 283-637-9 are not listed in Annex I

**Eyes & Skin:** May cause mild eye and or skin irritation.  
**Inhalation & Ingestion:** No known significant effects or critical hazards.  
**Routes of Entry:** Dermal contact, Inhalation

**Carcinogenic Effects:** No known significant effects or critical hazards  
**Mutagenic Effects:** No known significant effects or critical hazards  
**Teratogenicity:** No known significant effects or critical hazards

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

All WHMIS required information is included in appropriate sections based on the ANSI Z400 1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250: 2000

### 4. FIRST AID MEASURES

- Eye Contact:** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.
- Skin Contact:** In case of contact, wash skin thoroughly after handling. Get medical attention if symptoms occur.
- Inhalation:** If breathing becomes difficult remove victim from fresh air. If necessary, use artificial respiration to support vital functions. Seek immediate medical attention.
- Ingestion:** Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur immediately.
- Protection of First-Aiders:** No action shall be taken involving any personal risk or without suitable training.

### 5. FIRE FIGHTING MEASURES

- Product Flammability:** In a fire or if heated, a pressure increase will occur and the container may burst.
- Products of Combustion:** Decomposition products may include the following materials: Metal oxide/oxides
- Extinguishing Media:** Use an extinguishing agent suitable for the surrounding fire. Nothing unsuitable known
- Suitable/Not Suitable:** Dermal contact, Inhalation
- Special Exposure Hazards:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special Protective Equipment for Fire Fighters / Flash Point:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. No flash point.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment (see Section 8).
- Environmental Precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods of Clean Up:** Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

## 7. HANDLING AND STORAGE

- Handling:** Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.
- Storage:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Consult local authorities for acceptable exposure limits.**

- Engineering Measures:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits. The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

## Personal Protection.

- Respiratory:** Not required in properly ventilated areas. Maintain airborne contaminant concentrations below guidelines listed, if applicable. If necessary, use respiratory 149, 94.4-93, European Standard EN or EU member states.
- Eyes:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If necessary, refer to Canadian Standards, European Standard EN166, Australian Standards, or relevant Japanese Standards.
- Skin:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. If necessary, refer to Canadian Standards, European Standard, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in US OSHA 29 CFR 1910.136.
- Hands:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. If necessary, refer to US OSHA 29 CFR 1910.138, European Standard DIN EN 374, appropriate Canadian Standards, Australian Standards, or relevant Japanese Standards.
- Hygiene Measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid.

**Color:** White.

**Odor:** Slight.

**Boiling/Condensation Point:** Lowest known value: 100°C (212°F)

**Melting/Freezing Point:** May start to solidify at the following temperature: 0°C (32°F)  
This is based on data for the following ingredient: water.

**Flash Point:** Not applicable.

**VOC:** 0%

**Density:** 1.956 g/cm<sup>3</sup> (16.326 lbs/gal)

**Solubility:** Insoluble in the following materials: cold water and hot water.

**Evaporation Rate:** <1 (water) compared with butyl acetate

## 10. STABILITY AND REACTIVITY

**Stability and Reactivity:** The product is stable.

**Hazardous Decomposition** Under normal conditions of storage and use,  
**Products:** hazardous decomposition products should not be produced.

**Hazardous Polymerization:** Under normal conditions of storage and use, hazardous polymerization will not occur.

**Reactivity - Light:** Not applicable

## 11. TOXICOLOGICAL INFORMATION

**Suspected Cancer Agent:** Ingredients within this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be, nor suspected to be, cancer-causing agents by these agencies.

**Acute Toxicity, Chronic Toxicity, Carcinogenicity, Mutagenicity, Teratogenicity, Reproductive Toxicity:**  
No known significant effects or critical hazards.

## 12. ECOLOGICAL INFORMATION

**Environmental Effects: Aquatic Ecotoxicity, Conclusion/Summary, Biodegradability** Commerce control list precursor: May be water endangering in accordance with EU Guideline 91/155-EWG. Do not allow product to reach ground water or water source of sewage system. At present there are no eco-toxicological assessments for this product.

**Conclusion/Summary** Not Available  
**Other Adverse Effects** No known significant effects or critical hazards.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal:** The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Waste disposal must be in accordance with appropriate US Federal, State, and Local regulations, along with those of Canada, Australia, EU Member States, and Japan.

## 14. TRANSPORTATION INFORMATION

**US Transportation** This product is classified (Per 49 CFR 172.101) by the US Department of Transportation, as follows:  
**Shipping Regulations:** UN Identification Number: Non-Regulated Material

**Environmental** Marine Pollutant: The components of this product are not designated by the Department  
**Hazards:** of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

### International Maritime Organization and Air Transport Association Shipping Information (IMO):

This product is not considered as dangerous goods

### Transport in Bulk According to Annex II Of Marpol 73/78 and IBC Code:

European agreement concerning the international carriage of dangerous goods by road (ADR): This product is not considered by the United Nations Economic Commission for Europe to be dangerous goods.

## 15. REGULATORY INFORMATION

**HCS Classification:** Not Regulated

**TSCA 8(b) Inventory:** Listed

**U.S. Federal Regulations:** TSCA 4(a) final test rules, TSCA 4(a) ITC priority list, TSCA 4(a) proposed test rules, TSCA 5(a)2 final significant new use rules, TSCA 5(a)2 proposed significant new use rules, TSCA 5(e) substance consent order, TSCA 6 final risk management, TSCA 6 proposed risk management. TSCA 8(a) CAIR, TSCA 8(a) chemical risk rules, TSCA 8(a) dioxin/furane precursor, TSCA 8(a) IUR Exempt/Partial exemption, TSCA 8(c) calls for record of SAR, TSCA 8(d) H and S data reporting, TSCA 12(b) annual export notification, TSCA 12(b) one-time export, Commerce control list precursor, SARA 302/304/311/312 extremely hazardous substances: SARA 302/304 emergency planning and notification. Clean Water Act (CWA) 307, Clean Air Act (CAA) 112 accidental release prevention, Clean Air Act (CAA) 112 regulated flammable substances, Clean Air Act (CAA) 112 regulated toxic substances.

**International Lists:** Canada inventory: All components are listed or exempted. Australia inventory (AICS): All components are listed or exempted. China inventory (IECSC): At least one component is not listed. Japan inventory: At least one component is not listed. Korea inventory: All components are listed or exempted. New Zealand Inventory of Chemicals (NZIOC): At least one component is not listed. Philippines inventory (PICCS): At least one component is not listed.

Europe Inventory: This product does not meet the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC and subsequent Directives.

## 16. OTHER INFORMATION

**Label Requirements:** NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

**Abbreviations** EPA: United States Environmental Protection Agency  
**And Acronyms:** IMDG: International Maritime Code For Dangerous Goods  
NFPA: National Fire Protection Association (USA)  
ARD: European agreement concerning the international carriage of dangerous goods by road  
ACGIH: American Conference of Governmental Industrial Hygienists

DOT: US Department of Transportation  
IATA: International Air Transport Association  
HMIS: Hazardous Materials Identification System (USA).

**Hazardous  
Material  
Information  
System (U.S.A.):**

Health	1
Fire hazard	1
Reactivity	0

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Tommy's Supplies/Starbrite Colors assumes no responsibility for injury to the vendee or third party person proximately caused by the material if reasonable safety procedures are not met as referred to on the data sheets. Furthermore, we also will take no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

# MATERIAL SAFETY DATA SHEET



## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Starbrite Tattoo Ink (MADE IN USA)  
**Product Color:** Radioactive Fallout  
**Pigment Name:** Yellow 74  
**Ingredients C.I.:** #11741  
**Color Mix:** #74260  
**Isopropyl Alcohol:** C.A.S. #67-63-0  
**Water:** C.A.S. #7732-18-5

**Producers Info:** Tommy's Supplies  
 34 Egypt Rd. Unit A, Somers, CT 06071  
 P:860-265-2199 E: tommy@tommyssupplies.com  
 Website: www.tommyssupplies.com  
 Website: www.starbritecolors.com

## 2. HAZARDS IDENTIFICATION

**Physical State:** Liquid  
**Odor:** Odorless. [Slight]  
**Color:** White

**OSHA/HCS status:** While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/ec and subsequent Directives, this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and No known significant effects or critical hazards. Available for employees and other users of this product.

**Emergency overview:** No known significant effects or critical hazards.

**EU Hazard Classification:** INDEX NUMBER:  
**Of Ingredients Per Directive 1272/2008/EC** 236-675-5, 200-289-5, 231-791-2, & 283-637-9 are not listed in Annex I

**Eyes & Skin:** May cause mild eye and or skin irritation.  
**Inhalation & Ingestion:** No known significant effects or critical hazards.  
**Routes of Entry:** Dermal contact, Inhalation

**Carcinogenic Effects:** No known significant effects or critical hazards  
**Mutagenic Effects:** No known significant effects or critical hazards  
**Teratogenicity:** No known significant effects or critical hazards

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

All WHMIS required information is included in appropriate sections based on the ANSI Z400 1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250: 2000

### 4. FIRST AID MEASURES

- Eye Contact:** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.
- Skin Contact:** In case of contact, wash skin thoroughly after handling. Get medical attention if symptoms occur.
- Inhalation:** If breathing becomes difficult remove victim from fresh air. If necessary, use artificial respiration to support vital functions. Seek immediate medical attention.
- Ingestion:** Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur immediately.
- Protection of First-Aiders:** No action shall be taken involving any personal risk or without suitable training.

### 5. FIRE FIGHTING MEASURES

- Product Flammability:** In a fire or if heated, a pressure increase will occur and the container may burst.
- Products of Combustion:** Decomposition products may include the following materials: Metal oxide/oxides
- Extinguishing Media:** Use an extinguishing agent suitable for the surrounding fire. Nothing unsuitable known
- Suitable/Not Suitable:** Dermal contact, Inhalation
- Special Exposure Hazards:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special Protective Equipment for Fire Fighters / Flash Point:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. No flash point.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment (see Section 8).
- Environmental Precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods of Clean Up:** Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

## 7. HANDLING AND STORAGE

- Handling:** Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.
- Storage:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Consult local authorities for acceptable exposure limits.**

- Engineering Measures:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits. The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

## Personal Protection.

- Respiratory:** Not required in properly ventilated areas. Maintain airborne contaminant concentrations below guidelines listed, if applicable. If necessary, use respiratory 149, 94.4-93, European Standard EN or EU member states.
- Eyes:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If necessary, refer to Canadian Standards, European Standard EN166, Australian Standards, or relevant Japanese Standards.
- Skin:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. If necessary, refer to Canadian Standards, European Standard, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in US OSHA 29 CFR 1910.136.
- Hands:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. If necessary, refer to US OSHA 29 CFR 1910.138, European Standard DIN EN 374, appropriate Canadian Standards, Australian Standards, or relevant Japanese Standards.
- Hygiene Measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid.

**Color:** White.

**Odor:** Slight.

**Boiling/Condensation Point:** Lowest known value: 100°C (212°F)

**Melting/Freezing Point:** May start to solidify at the following temperature: 0°C (32°F)  
This is based on data for the following ingredient: water.

**Flash Point:** Not applicable.

**VOC:** 0%

**Density:** 1.956 g/cm<sup>3</sup> (16.326 lbs/gal)

**Solubility:** Insoluble in the following materials: cold water and hot water.

**Evaporation Rate:** <1 (water) compared with butyl acetate

## 10. STABILITY AND REACTIVITY

**Stability and Reactivity:** The product is stable.

**Hazardous Decomposition** Under normal conditions of storage and use,  
**Products:** hazardous decomposition products should not be produced.

**Hazardous Polymerization:** Under normal conditions of storage and use, hazardous polymerization will not occur.

**Reactivity - Light:** Not applicable

## 11. TOXICOLOGICAL INFORMATION

**Suspected Cancer Agent:** Ingredients within this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be, nor suspected to be, cancer-causing agents by these agencies.

**Acute Toxicity, Chronic Toxicity, Carcinogenicity, Mutagenicity, Teratogenicity, Reproductive Toxicity:**  
No known significant effects or critical hazards.

## 12. ECOLOGICAL INFORMATION

**Environmental Effects: Aquatic Ecotoxicity, Conclusion/Summary, Biodegradability** Commerce control list precursor: May be water endangering in accordance with EU Guideline 91/155-EWG. Do not allow product to reach ground water or water source of sewage system. At present there are no eco-toxicological assessments for this product.

**Conclusion/Summary** Not Available  
**Other Adverse Effects** No known significant effects or critical hazards.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal:** The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Waste disposal must be in accordance with appropriate US Federal, State, and Local regulations, along with those of Canada, Australia, EU Member States, and Japan.

## 14. TRANSPORTATION INFORMATION

**US Transportation** This product is classified (Per 49 CFR 172.101) by the US Department of Transportation, as follows:  
**Shipping Regulations:** UN Identification Number: Non-Regulated Material

**Environmental** Marine Pollutant: The components of this product are not designated by the Department  
**Hazards:** of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

### International Maritime Organization and Air Transport Association Shipping Information (IMO):

This product is not considered as dangerous goods

### Transport in Bulk According to Annex II Of Marpol 73/78 and IBC Code:

European agreement concerning the international carriage of dangerous goods by road (ADR): This product is not considered by the United Nations Economic Commission for Europe to be dangerous goods.

## 15. REGULATORY INFORMATION

**HCS Classification:** Not Regulated

**TSCA 8(b) Inventory:** Listed

**U.S. Federal Regulations:** TSCA 4(a) final test rules, TSCA 4(a) ITC priority list, TSCA 4(a) proposed test rules, TSCA 5(a)2 final significant new use rules, TSCA 5(a)2 proposed significant new use rules, TSCA 5(e) substance consent order, TSCA 6 final risk management, TSCA 6 proposed risk management. TSCA 8(a) CAIR, TSCA 8(a) chemical risk rules, TSCA 8(a) dioxin/furane precursor, TSCA 8(a) IUR Exempt/Partial exemption, TSCA 8(c) calls for record of SAR, TSCA 8(d) H and S data reporting, TSCA 12(b) annual export notification, TSCA 12(b) one-time export, Commerce control list precursor, SARA 302/304/311/312 extremely hazardous substances: SARA 302/304 emergency planning and notification. Clean Water Act (CWA) 307, Clean Air Act (CAA) 112 accidental release prevention, Clean Air Act (CAA) 112 regulated flammable substances, Clean Air Act (CAA) 112 regulated toxic substances.

**International Lists:** Canada inventory: All components are listed or exempted. Australia inventory (AICS): All components are listed or exempted. China inventory (IECSC): At least one component is not listed. Japan inventory: At least one component is not listed. Korea inventory: All components are listed or exempted. New Zealand Inventory of Chemicals (NZIOC): At least one component is not listed. Philippines inventory (PICCS): At least one component is not listed.

Europe Inventory: This product does not meet the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC and subsequent Directives.

## 16. OTHER INFORMATION

**Label Requirements:** NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

**Abbreviations** EPA: United States Environmental Protection Agency  
**And Acronyms:** IMDG: International Maritime Code For Dangerous Goods  
NFPA: National Fire Protection Association (USA)  
ARD: European agreement concerning the international carriage of dangerous goods by road  
ACGIH: American Conference of Governmental Industrial Hygienists

DOT: US Department of Transportation  
IATA: International Air Transport Association  
HMIS: Hazardous Materials Identification System (USA).

**Hazardous  
Material  
Information  
System (U.S.A.):**

Health	1
Fire hazard	1
Reactivity	0

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Tommy's Supplies/Starbrite Colors assumes no responsibility for injury to the vendee or third party person proximately caused by the material if reasonable safety procedures are not met as referred to on the data sheets. Furthermore, we also will take no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

# MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION



**Product Name:** Starbrite Tattoo Ink (MADE IN USA)  
**Product Color:** Swamp Thing  
**Pigment Name:** White 6  
**Ingredients C.I.:** #77891  
**Color Mix:** #74160, 77266, 74260, 11741  
**Isopropyl Alcohol:** C.A.S. #67-63-0  
**Water:** C.A.S. #7732-18-5

**Producers Info:** Tommy's Supplies  
 34 Egypt Rd. Unit A, Somers, CT 06071  
 P:860-265-2199 E: tommy@tommyssupplies.com  
 Website: www.tommyssupplies.com  
 Website: www.starbritecolors.com

## 2. HAZARDS IDENTIFICATION

**Physical State:** Liquid  
**Odor:** Odorless. [Slight]  
**Color:** White

**OSHA/HCS status:** While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/ec and subsequent Directives, this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and No known significant effects or critical hazards. Available for employees and other users of this product.

**Emergency overview:** No known significant effects or critical hazards.

**EU Hazard Classification:** INDEX NUMBER:  
**Of Ingredients Per Directive 1272/2008/EC** 236-675-5, 200-289-5, 231-791-2, & 283-637-9 are not listed in Annex I

**Eyes & Skin:** May cause mild eye and or skin irritation.  
**Inhalation & Ingestion:** No known significant effects or critical hazards.  
**Routes of Entry:** Dermal contact, Inhalation

**Carcinogenic Effects:** No known significant effects or critical hazards  
**Mutagenic Effects:** No known significant effects or critical hazards  
**Teratogenicity:** No known significant effects or critical hazards

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

All WHMIS required information is included in appropriate sections based on the ANSI Z400 1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250: 2000

### 4. FIRST AID MEASURES

- Eye Contact:** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.
- Skin Contact:** In case of contact, wash skin thoroughly after handling. Get medical attention if symptoms occur.
- Inhalation:** If breathing becomes difficult remove victim from fresh air. If necessary, use artificial respiration to support vital functions. Seek immediate medical attention.
- Ingestion:** Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur immediately.
- Protection of First-Aiders:** No action shall be taken involving any personal risk or without suitable training.

### 5. FIRE FIGHTING MEASURES

- Product Flammability:** In a fire or if heated, a pressure increase will occur and the container may burst.
- Products of Combustion:** Decomposition products may include the following materials: Metal oxide/oxides
- Extinguishing Media:** Use an extinguishing agent suitable for the surrounding fire. Nothing unsuitable known
- Suitable/Not Suitable:** Dermal contact, Inhalation
- Special Exposure Hazards:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special Protective Equipment for Fire Fighters / Flash Point:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. No flash point.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment (see Section 8).
- Environmental Precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods of Clean Up:** Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

## 7. HANDLING AND STORAGE

- Handling:** Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.
- Storage:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Consult local authorities for acceptable exposure limits.**

- Engineering Measures:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits. The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

## Personal Protection.

- Respiratory:** Not required in properly ventilated areas. Maintain airborne contaminant concentrations below guidelines listed, if applicable. If necessary, use respiratory 149, 94.4-93, European Standard EN or EU member states.
- Eyes:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If necessary, refer to Canadian Standards, European Standard EN166, Australian Standards, or relevant Japanese Standards.
- Skin:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. If necessary, refer to Canadian Standards, European Standard, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in US OSHA 29 CFR 1910.136.
- Hands:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. If necessary, refer to US OSHA 29 CFR 1910.138, European Standard DIN EN 374, appropriate Canadian Standards, Australian Standards, or relevant Japanese Standards.
- Hygiene Measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid.

**Color:** White.

**Odor:** Slight.

**Boiling/Condensation Point:** Lowest known value: 100°C (212°F)

**Melting/Freezing Point:** May start to solidify at the following temperature: 0°C (32°F)  
This is based on data for the following ingredient: water.

**Flash Point:** Not applicable.

**VOC:** 0%

**Density:** 1.956 g/cm<sup>3</sup> (16.326 lbs/gal)

**Solubility:** Insoluble in the following materials: cold water and hot water.

**Evaporation Rate:** <1 (water) compared with butyl acetate

## 10. STABILITY AND REACTIVITY

**Stability and Reactivity:** The product is stable.

**Hazardous Decomposition** Under normal conditions of storage and use,  
**Products:** hazardous decomposition products should not be produced.

**Hazardous Polymerization:** Under normal conditions of storage and use, hazardous polymerization will not occur.

**Reactivity - Light:** Not applicable

## 11. TOXICOLOGICAL INFORMATION

**Suspected Cancer Agent:** Ingredients within this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be, nor suspected to be, cancer-causing agents by these agencies.

**Acute Toxicity, Chronic Toxicity, Carcinogenicity, Mutagenicity, Teratogenicity, Reproductive Toxicity:**  
No known significant effects or critical hazards.

## 12. ECOLOGICAL INFORMATION

**Environmental Effects: Aquatic Ecotoxicity, Conclusion/Summary, Biodegradability** Commerce control list precursor: May be water endangering in accordance with EU Guideline 91/155-EWG. Do not allow product to reach ground water or water source of sewage system. At present there are no eco-toxicological assessments for this product.

**Conclusion/Summary** Not Available  
**Other Adverse Effects** No known significant effects or critical hazards.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal:** The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Waste disposal must be in accordance with appropriate US Federal, State, and Local regulations, along with those of Canada, Australia, EU Member States, and Japan.

## 14. TRANSPORTATION INFORMATION

**US Transportation** This product is classified (Per 49 CFR 172.101) by the US Department of Transportation, as follows:  
**Shipping Regulations:** UN Identification Number: Non-Regulated Material

**Environmental** Marine Pollutant: The components of this product are not designated by the Department  
**Hazards:** of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

### International Maritime Organization and Air Transport Association Shipping Information (IMO):

This product is not considered as dangerous goods

### Transport in Bulk According to Annex II Of Marpol 73/78 and IBC Code:

European agreement concerning the international carriage of dangerous goods by road (ADR): This product is not considered by the United Nations Economic Commission for Europe to be dangerous goods.

## 15. REGULATORY INFORMATION

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**TSCA 8(b) Inventory:** Listed

**U.S. Federal Regulations:** TSCA 4(a) final test rules, TSCA 4(a) ITC priority list, TSCA 4(a) proposed test rules, TSCA 5(a)2 final significant new use rules, TSCA 5(a)2 proposed significant new use rules, TSCA 5(e) substance consent order, TSCA 6 final risk management, TSCA 6 proposed risk management. TSCA 8(a) CAIR, TSCA 8(a) chemical risk rules, TSCA 8(a) dioxin/furane precursor, TSCA 8(a) IUR Exempt/Partial exemption, TSCA 8(c) calls for record of SAR, TSCA 8(d) H and S data reporting, TSCA 12(b) annual export notification, TSCA 12(b) one-time export, Commerce control list precursor, SARA 302/304/311/312 extremely hazardous substances: SARA 302/304 emergency planning and notification. Clean Water Act (CWA) 307, Clean Air Act (CAA) 112 accidental release prevention, Clean Air Act (CAA) 112 regulated flammable substances, Clean Air Act (CAA) 112 regulated toxic substances.

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Material  
Information  
System (U.S.A.):**

Health	1
Fire hazard	1
Reactivity	0

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