

## \*\* MATERIAL SAFETY DATA SHEET \*\*

### SECTION 1 – PRODUCT IDENTIFICATION

**TRADE NAME:** Image™

**CODE:** Cosmetic Organic & Inorganic Colors

**SUPPLIER: MEI-CHA GLOBAL**

18 Technology Dr., Ste 161  
Irvine, CA 92618

#### **DESCRIPTION**

Purified colors are colorants manufactured for use in a variety of food, drug and cosmetic applications.

### SECTION 3 – HAZARDS IDENTIFICATION

#### **EMERGENCY OVERVIEW:**

##### **CAUTION!**

Vapors form from this product and may travel or be moved by air currents and ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharges or other ignition sources at locations distant from product handling point. Vapors from this material may settle in low or confined areas or travel a long distance to an ignition source and flash back explosively. This material may produce a floating fire hazard.

### SECTION 3 – COMPOSITION OF INGREDIENTS

This product is not considered to be a hazardous substance as defined under OSHA's Hazard Communication Standard (29 CFR 1910.1200).

Refer to 'Ingredient Sheet' for the complete specific list of ingredients for color/shade.

The main ingredients are as follows:

Inorganic Pigments: Iron Oxides, Glycerin, Isopropyl Alcohol, Purified Water (Aqua).

May Contain: Titanium Dioxide, Ultramarine Blue & Violet, Chromium Oxide Greens and Chromium Hydroxide Greens.

Organic Pigments: Iron Oxides, Glycerin, Isopropyl Alcohol, Purified Water (Aqua).

May Contain: Titanium Dioxide, Chromium Oxide Greens and Chromium Hydroxide Greens, Certified D&C & FD&C Dyes. Refer to 'Ingredient Sheet' for specific Organic ingredient listing.

#### **EINECS NUMBERS**

##### **MOLECULAR FORMULAS & CAS NUMBERS**

EINECS No.: 236-675-5: Titanium Dioxide (TiO<sub>2</sub>)

CAS No.: 13463-67-7

EINECS No.: 235-442-5: Black Iron Oxide (Fe<sub>3</sub>O<sub>4</sub>)

CAS No.: 12227-89-3

EINECS No.: 215-609-9: Carbon Black (D&C Black 2)

CAS No.: 1333-86-4

EINECS No.: 215-168-2: Red Iron Oxide (Fe<sub>2</sub>O<sub>3</sub>)

CAS No.: 1332-37-2

EINECS No.: 2152780: Yellow Iron Oxide (Fe<sub>2</sub>O<sub>3</sub>)

CAS No.: 51274-00-1

EINECS No.: 215-160-9: Chrome Oxide Green (Cr<sub>2</sub>O<sub>3</sub>)

CAS No.: 1308-38-9

EINECS No.: 215-160-9: Hydrated Chrome Oxide Green (Cr<sub>2</sub>O<sub>3</sub>·H<sub>2</sub>O)

CAS No.: 12001-99-9

EINECS No.: 3099283: Ultramarine Blue & Violet

CAS No.: 12769-96-9; 57455-3735

EINECS No.: 239-897-0: FD&C Blue No. 1 Aluminum Lake (C<sub>37</sub>H<sub>34</sub>N<sub>2</sub>O<sub>9</sub>S<sub>3</sub>·Al)

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CAS No.: 15792-67-3

EINECS No.: 241-806-4: D&C Red No. 6 Barium Lake ( $C_{18}H_{12}N_2O_6SNa_2.Ba$ )  
 CAS No.: 17852-98-1; 8050-09-7; 5858-81-1  
 EINECS No.: 231-754-4: Barium Sulfate  
 CAS No.: 7727-43-7  
 EINECS No.: 2318209: Sodium Sulfate  
 CAS No.: 7757-82-6  
 EINECS No.: 232-475-7: Rosin  
 CAS No.: 8050-09-7  
 EINECS No.: 2261095: D&C Red No. 7 Calcium Lake ( $C_{18}H_{12}N_2O_6S.Ca$ )  
 CAS No.: 5281049; 8050-09-7  
 EINECS No.: 240-569-4: D&C Red No. 21 Aluminum Lake ( $C_{20}H_8O_5Br_4.Al$ )  
 CAS No.: 15086-94-9  
 EINECS No.: 282-941-9: D&C Red No. 27 Aluminum Lake ( $C_{20}H_4O_5Cl_4Br_4.Al$ )  
 CAS No.: 84473-86-9; 15876-58-1  
 EINECS No.: 2423556: D&C Red No. 28 Aluminum Lake  
 ( $C_{20}H_2O_5Cl_4Br_4Na_2.Al$ )  
 CAS No.: 18472872  
 EINECS No.: 219-163-6: D&C Red No. 30 Lake ( $C_{18}H_{10}O_2S_2Cl_2$ )  
 CAS No.: 2379-74-0  
 EINECS No.: 2205622: D&C Red No. 36 Aluminum Lake ( $C_{16}H_1ON_3O_3Cl$ )  
 CAS No.: 002814-77-9  
 EINECS No.: 271-524-7: FD&C Red No. 40 Aluminum Lake ( $C_{18}H_{14}N_2O_8S_2Na_2$ )  
 CAS No.: 68583-95-9; 25956-17-6  
 EINECS No.: 235-428-9: FD&C Yellow No. 5 Aluminum Lake ( $C_{16}H_9N_4O_9S_2.Al$ )  
 CAS No.: 12225-21-7  
 EINECS No.: 239-888-1: FD&C Yellow No. 6 Aluminum Lake ( $C_{16}H_{10}N_2O_7S_2.Al$ )  
 CAS No.: 15790-07-5  
 EINECS No.: 285-989-9: D&C Yellow No. 10 Aluminum Lake ( $C_{18}H_9NO_8S_2.Al$ )  
 CAS No.: 85186-07-8

### SECTION 4 – FIRST AID MEASURES

#### **EYE CONTACT**

Flush eyes thoroughly with large amounts of water, lifting lids periodically for at least fifteen minutes. Get medical attention if redness or irritation occurs.

#### **SKIN CONTACT**

Wash skin thoroughly with soap and water. Remove severely contaminated clothing. Seek medical attention in the unlikely event that skin irritation occurs (redness etc.).

#### **INHALATION**

Remove to fresh air. Get medical attention if breathing is difficult or lung irritation is present.

#### **INGESTION**

Do not give anything by mouth to an unconscious person. Do not induce vomiting. Get immediate medical attention.

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Please note that there has been no evidence of the health effects listed for this product, nor would it anticipate the occurrence of these health effects when the product is used under normal conditions.

### **HUMAN HEALTH DATA**

#### **Primary Route(s) of Exposure: Eye Contact; Skin Contact; Inhalation**

Human Effect and Symptoms of Overexposure:

#### **Acute**

On the basis of Animal Toxicity Data, **Mei-Cha International Inc.** expects this product to be non-irritating to the eyes and skin and essentially non-toxic by ingestion. However, excessive exposure to airborne dust (*from pigment that has dried*) may reduce visibility and/or cause unpleasant deposits in the eyes, ears and nose. Injury to the skin or mucous membrane can occur by direct mechanical action or by rigorous skin cleaning necessary for removal of pigment.

#### **Other**

Prolonged inhalation (6 to 10 years) of iron oxide fume has been reported to produce changes in lung x-rays of exposed individuals. This condition, siderosis, is considered to be a benign pneumoconiosis that exhibits no adverse health effects. Siderosis has been observed among occupations such as arc-welders where iron oxide fumes are present. To the best of our knowledge, this condition has not been observed after prolonged exposure to iron oxide pigments.

#### **Medical Conditions Aggravated by Exposure**

None known.

#### **Carcinogenicity**

NTP:	Not listed
IARC:	Not Listed
OSHA:	Not Listed
Other:	Based on information currently available, this product is not considered a carcinogen.

## SECTION 5 – FIRE FIGHTING MEASURES

### **FLAMMABILITY DATA**

Flash Point (°C) N/A

#### **Flammable Limits**

LEL: 2 Vol%

UEL: 12 Vol%

Autoignition Temperature: No data

Dust Cloud Ignition Temperature: No data

Dust Layer Ignition Temperature: No data

#### **Extinguishing Media**

Material is not combustible. Use extinguishing agents that are suitable to the surrounding fire. Carbon dioxide, dry chemical or alcohol resistant foam recommended. Apply water spray to cool exposed closed containers.

#### **Special Fire-Fighting Procedures**

NIOSH-approved Self-Contained Breathing Apparatus (SCBA) and full protective clothing/equipment recommended.

#### **Unusual Fire and Explosion Hazards**

Liquid *Organic & Inorganic* Pigments: Material is not combustible. Fire or excessive heat may produce hazardous decomposition of products. With the *Organics* – thermal decomposition may produce oxides of carbon and nitrogen; explosive vapor/air mixture.

### **NFPA RATINGS**

### **HMIS RATINGS**

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Health: 1	Health: 1
Flammability: 0	Flammability: 0
Reactivity: 0	Reactivity: 0

### **HMIS & NFPA RATINGS:**

0 = Minimal    1 = Slight    2 = Moderate    3 = Serious    4 = Severe

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### **Personal Precautions**

Remove possible causes of ignition – Do not smoke. Keep away from heat, sparks, and flame. Ensure sufficient supply of air/ventilation. Avoid inhalation and contact with eyes and skin. Airborne *Organic* pigment dust (caused by drying of liquid pigment) may be an explosive hazard. Secure possible sources of ignition and avoid dusting.

### **Small Spill**

For liquid pigments, collect using absorbent materials. Diluting with water is possible. Flush residue using copious water. For dry powder spills, inert materials such as sand may be added to control dusting prior to cleanup. Avoid excessive generation of dust. If dust is generated, use appropriate respiratory protection. Industrial grade vacuum sweepers are also recommended. Place spilled material into appropriate waste containers for disposal.

### **Large Spill**

For liquid pigments, collect using absorbent materials. Diluting with water is possible. Flush residue using copious water. Dispose at suitable refuse site according to local and national official regulations. For dry powders, contain spilled material immediately with an inert substance such as sand or earth. Use plastic or aluminum shovel to transfer diluted waste material into appropriate containers for disposal. Materials, which cannot be recycled into your process, should be land filled in accordance with Federal, State and Local environmental control regulations.

## SECTION 7 - HANDLING AND STORAGE

### **Handling**

Provide adequate ventilation in storage area. Keep away from sources of ignition – Do not smoke. Keep away from heat, sparks, and flame. Keep container closed when not in use.

### **Storage**

Store at 4° C to 32° C (40° F to 90° F) away from direct sources of heat or ignition. Avoid extreme temperatures. Empty containers may contain product residues and should be handled appropriately. Position containers so that any labeling information is visible.

Special Precautions & Storage Data:

**Average Shelf Life:** Up to 10 years when Unopened

**Usage After Open:** Up to 12 months when Opened

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Ventilation:**

**Local Exhaust:** None required

**Mechanical (General):** Provide adequate ventilation.

### **Personal Protection**

#### **Eye Protection:**

Safety glasses. Wear approved safety glasses with side shields

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### **Hand Protection:**

Wear rubber gloves

### **Skin Protection:**

Wear protective working garments (e.g. safety shoes, long-sleeved protective working garments). Launder contaminated clothing before reuse.

### **Respiratory Protection:**

Liquid Pigment: None required in well-ventilated areas.

*Raw Powders (should pigment dry to dust form):* Use NIOSH approved respiratory protection where exposure levels exceed regulatory limits for hazardous components and/or for nuisance dust.

### **Exposure Limits**

There are no ACGIH TLV's or OSHA PEL's established for this product.

The OSHA PEL for nuisance dust is 15 mg/m<sup>3</sup> (total dust), and 5 mg/m<sup>3</sup> (respirable dust) recommended. The recommended ACGIH TLV for nuisance dust is 10 mg/m<sup>3</sup>.

## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL APPEARANCE:** Liquid

**COLOR:** According to specification

**ODOR:** Slight Alcoholic

**pH:** 4-10 (water extract)

**pH-VALUE UNDILUTED:** Not applicable

**RELATIVE DENSITY:** Not applicable

**MELTING POINT:** No data

**SPECIFIC GRAVITY:** 4.5-5.2

**SOLUBILITY:** Mixable

**PERCENT VOLATILE:** None

**VAPOR PRESSURE:** Not applicable

**BOILING POINT:** No data

**VOLATILE ORGANIC COMPOUNDS (VOC's) (EPA METHOD 24/24A):** None

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### SECTION 10 - STABILITY AND REACTIVITY

**GENERAL:**

This product is a stable compound and hazardous polymerization will not occur.

**CONDITIONS TO AVOID:**

Temperatures of 100° C (212°) or over will boil water away.

**INCOMPATIBILITY:**

Avoid strong oxidizing agents such as peroxides, chlorates, perchlorates, nitrates and permanganates. Oxidizing materials may vigorously evolve oxygen in large amounts.

Avoid heating, open flames, ignition sources and electrostatic charge.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

When involved in a fire, decomposition on burning of pigments may evolve noxious gases, which are toxic. These compounds may include carbon monoxide, carbon dioxide, nitrous oxides or hydrogen chloride, depending on the pigment type.

### SECTION 11 - TOXICOLOGICAL INFORMATION

**GENERAL**

Based upon industry-wide experience over many years of manufacturing and published toxicological studies, cosmetic pigments in general are considered to have low levels of toxicity. There is no evidence of harmful effects from available information.

There are no established permissible exposure limits for this product.

**ACUTE (SHORT-TERM) TOXICITY**

**Skin contact:** May cause minor irritation with itching and possible slight local redness. Prolonged or repeated contact may cause drying of the skin. No evidence of harmful effects from available information.

**Eye contact:** Accidental Direct Eye Contact may cause abrasion and irritation. Corneal injury may occur.

**Inhalation:** Not expected to be an inhalation hazard. However, high concentrations of vapor may cause irritation of the respiratory tract with coughing and chest discomfort. May also cause headache and drowsiness. Excessive levels of fumes may result in discomfort after repeated or prolonged exposures.

**Ingestion:** Maybe harmful if swallowed. Contact Physician Immediately.

**CHRONIC (LONG-TERM TOXICITY)**

No known published data available and no adverse effects expected.

**Sensitization:** Data not established for this product

**Chronic Toxicity:** Data not established for this product

**Reproductive Toxicity:** Data not established for this product

**MUTAGENICITY**

No mutagenic effects known or expected.

Toxicological tests performed on chemically identical products.

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### SECTION 12- ECOLOGICAL INFORMATION

This product has not been evaluated for its ecotoxicity. However, the biodegradation of *Organic & Inorganic* colorants under aerobic conditions is expected to be poor and there is no evidence to suggest they create any significant ecological problems when released into the environment. Since *Organic & Inorganic* pigments are generally insoluble compounds, they are believed to have minimal bioaccumulation and bioavailability characteristics.

### SECTION 13 - DISPOSAL CONSIDERATIONS

#### General

This product must be disposed of in accordance with all applicable Federal, State and local regulations. If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste (40 CFR 261.20-24).

In the cases of spills, leaks or release, review sections: 'FIRE FIGHTING MEASURES'; 'ACCIDENTAL RELEASE MEASURES' & 'EXPOSURE CONTROLS/PERSONAL PROTECTION'

#### Waste Management

- Incineration or land filling are recommended disposal techniques. Contact the state and local environmental agency for specific rules.
- This product is not identified as a RCRA hazardous waste under 40 CFR 261, and is not regulated under CERCLA (Superfund).

### SECTION 14 - TRANSPORT INFORMATION

D.O.T. SHIPPING NAME (49 CFR 172.101-102).....	: Not regulated
D.O.T. HAZARD CLASS (49 CFR 172.101-102).....	: None
D.O.T. LABEL.....	: None
D.O.T. PLACARD.....	: None
BILL OF LADING DESCRIPTION.....	: Pigments NOI Dry
CERCLA SUBSTANCE (49 CFR).....	: Not regulated
REPORTABLE QUANTITY (RQ).....	: None

#### INTERNATIONAL

UN/NA NUMBER.....	: Not regulated
IMDG/IACO CLASSIFICATION.....	: Not regulated
IATA CLASSIFICATION.....	: Not regulated



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### SECTION 15 - REGULATORY INFORMATION

#### **OSHA Hazard Communication Standard Status**

This product is not considered to be a hazardous substance under OSHA's Federal Hazard Communication Standard 29 CFR 1910.1200.

#### **Toxic Substances Control Act (TSCA) Status**

All of the ingredients of this material have been reported to the U.S. EPA and are included in the TSCA chemical inventory.

#### **SARA Title III**

Section 302 (EHS)..... : None

Section 311/312 (Acute)..... : None

#### **RCRA**

Not regulated as a hazardous waste under RCRA.

#### **Supplemental State Compliance Information**

##### **California State: Safe Drinking Water and Toxic Enforcement Act of 1986**

##### **(Proposition 65)**

**Warning:** This product may contain such chemicals as Lead (Pb); Arsenic (As); Mercury (Hg); Chromium Extract (2% H<sub>2</sub>O<sub>2</sub>); Antimony (Sb), Beryllium (Be), Cobalt (Co), Nickel (Ni) and Selenium (Se) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm. This product is considered to have no significant risk under the *safe harbor levels* pursuant to the Proposition 65 Safe Harbor Levels.

While this product may contain detectable amounts of the above listed chemicals, we can assure you our products meet all the Federal requirements under the Food, Drug and Cosmetic Act for safety and effectiveness.

### SECTION 16 - OTHER INFORMATION

#### **Updated-January 2016**

The information and recommendations contained herein is based on data considered accurate and has been compiled from sources believed to be reliable and represent the most reasonable opinion on the subject when the MSDS was prepared. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. **MEI-CHA GLOBAL** assumes no responsibility for the personal injury or property damage caused by the material. Users assume all risks associated with the use of the material.



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Important Notice: The information presented herein is based on experimental data submitted by the manufacturers of the raw materials and is considered scientifically correct; however, no warrant or representation, express or implied, is made as to the accuracy or suitability of this information for application to the purchaser's intended purpose or for consequences of its use and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of its use. Use these materials only as directed. If you have any questions regarding the proper interpretation of this sheet or the meanings of any terms used, we strongly urge you to speak with your physician. For further information concerning product safety and proper use, call the number listed on the front of the MSDS.