

MATERIAL SAFETY DATA SHEET
Bio-Touch Permanent Makeup Pigment Color

IDENTIFICATION

Common name:	Titanium Dioxide
CAS No.:	13463-67-7
Chemical name or Trade name:	Same as above
Product Class:	Metal Oxide
Molecular Formula:	TiO ₂

HAZARDOUS INGREDIENTS

CAS Reg. No.	None
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PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H ₂ O=1):	3.70-4.20
Vapor Density (Air=1):	N/A
Solubility in Water:	Insoluble
Reactivity in Water:	Unknown
Appearance and Odor:	White odorless powder
Flash Point:	Non-flammable

PHYSICAL HAZARDS

Stability:	Stable
Condition to avoid:	None
Incompatibility:	Unknown
Decomposition Products:	Unknown
Polymerization:	Will not occur

HEALTH HAZARDS

Eye Contact:	Flush eyes with plenty of low pressure water. If irritation exists, obtain medical attention.
Skin:	Wash exposed skin areas with soap and water. If irritation exists, obtain medical attention.
Ingestion:	Obtain medical attention if large amount of product is ingested.
Inhalation:	No specific first aid procedures are necessary for accidental exposure to this product.

SPECIAL PROTECTION INFORMATION

Respiratory Protection:	Use of a NIOSH approved dust respirator is recommended when exposure limits may be exceeded.
Ventilation:	Local exhaust ventilation to collect or containment recommended to control dust to below exposure limits.
Protective Gloves:	Recommended- leather or rubber.
Eye Protection:	Safety glasses, goggles, face shield.
Other Protective Equipment or Clothing:	N/A

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be taken in handling and storage:	Store in dry area. Protect container from physical damage.
Other precautions:	Avoid conditions which may generate dusty environment.
Steps to be taken in case material is spilled or released:	Normal clean up procedures. Care should be taken to avoid causing dust to become airborne. Vacuum cleaning systems recommended. Do not flush to sewer.
Waste disposal methods:	Dispose of according to federal, state, and local regulations.

MATERIAL SAFETY DATA SHEET

Bio-Touch Inc,
20515 Paseo Del Prado St
Walnut, CA 91789
USA

IDENTIFICATION

Common name : Beige pigment
CAS No: 1309-37-1
Chemical name or Trade name: CI Pigment Beige
CI 77491, CI 77492
Product class: Viscous thick liquid
Molecular formula: Fe₂O₃, TiO₂,

PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H₂O=1) Typical 1.73-1.83
Vapor density (Air = 1) N/A
Solubility in water : Insoluble, but miscible with water
Reactivity in water: unknown
Appearance and odor: Beige viscous liquid.
Flash Point: N/A
Extinguishing Media: Waterfog, carbon dioxide, dry chemical
Special Fire None

PHYSICAL HAZARDS

Stability: Stable
Conditions to avoid: Strong acid or strong alkaline
Incompatibility: unknown
Hazardous
Decomposition products: unknown
Hazardous
Polymerization: Will not occur

HEALTH HAZARDS

Signs and symptoms of exposure: N/A
Inhalation: Remove patient to fresh air for treatment
Eyes: Flush eyes with plenty of water. If irritation exist. obtain
Medical attention
Skin: Remove by wiping, wash skin with soap and water
Ingestion: If large amounts of product are ingested obtain medical
attention.

SPECIAL PROTECTION INFORMATION

Respiratory protection: N/A
Ventilation: N/A
Protective Gloves: Recommended
Eye protection: Safety goggles
Other protective clothing or equipment : N/A

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Moisten slightly with water to reduce dust.Sweep up spilled material and discard into proper waste container.
Waste disposal methods: Dispose of according to federal, state and local regulations.

The information herein is given in good faith , but no warranty ,expressed or implied,is made. For further information consult Bio-Touch International,Inc.

MATERIAL SAFETY DATA SHEET

Bio-Touch Inc,
20515 Paseo Del Prado St
Walnut, CA 91789
USA

IDENTIFICATION

Common name : Black pigment
CAS No: 1317-61-9
Chemical name or Trade name: CI Pigment Black
CI 77499
Product class: Viscous thick liquid
Molecular formula: Fe₃O₄

PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H₂O=1) Typical 1.75 – 1.85
Vapor density (Air = 1) N/A
Solubility in water : Insoluble,but miscible with water
Reactivity in water: unknown
Appearance and odor: Black viscous liquid
Flash Point: N/A
Extinguishing Media: Waterfog,carbon dioxide,dry chemical
Special Fire None

PHYSICAL HAZARDS

Stability: Stable
Conditions to avoid: Strong acid or strong alkaline
Incompatibility: unknown
Hazardous
Decomposition products: unknown
Hazardous
Polymerization: Will not occur

HEALTH HAZARDS

Signs and symptoms of exposure: N/A
Inhalation: Remove patient to fresh air for treatment
Eyes: Flush eyes with plenty of water.If irritation exist.obtain
Medical attention
Skin: Remove by wiping,wash skin with soap and water
Ingestion: If large amounts of product are ingested obtain medical
attention.

SPECIAL PROTECTION INFORMATION

Respiratory protection: N/A
Ventilation: N/A
Protective Gloves: Recommended
Eye protection: Safety goggles
Other protective clothing or equipment : N/A

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Moisten slightly with water to reduce dust.Sweep up spilled material and discard into proper waste container.
Waste disposal methods: Dispose of according to federal, state and local regulations.

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MATERIAL SAFETY DATA SHEET

Bio-Touch Inc,
20515 Paseo Del Prado St
Walnut, CA 91789
USA

IDENTIFICATION

Common name:	Blue pigment
CAS No:	25869-00-5
Chemical name or Trade name :	Same as above
Product Class:	Iron blue
Molecular Formula:	C ₆ Fe ₂ N ₁₀ H

HAZARDOUS INGREDIENTS

CAS Reg . No.	None
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PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H ₂ O=1)	1.45.1.50
Vapor Density (Air=1)	N/A
Solubility in Water	Insoluble
Reactivity in Water	unknown
Appearance and Odor:	Blue viscous liquid
Flash Point	Non-flammable

PHYSICAL HAZARDS

Stability:	Stable
Condition to avoid:	None
Incompatibility:	unknown
Decomposition Products:	unknown
Polymerization:	unknown

HEALTH HAZARDS

Eye contact :Flush eyes with plenty of low pressure water.If irritation exists,obtain medical attention.

Skin : Wash exposed skin areas with soap and water .If irritation exists,obtain medical attention.

Ingestion: Obtain medical attention if large amount of product is ingested.

Inhalation: No specific first aid procedures are necessary for accidental exposure to this product

SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use of a NIOSH approved dust respirator is recommended
When exposure limits may be exceeded.

Ventilation : Local exhaust ventilation to collect or containment
recommended to control dust to below exposure limits

Protective Gloves: Recommended- leather or rubber

Eye protection: Safety glasses,goggles,face shield.

Other Protective Clothing or Equipment: N/A

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be taken

In handling and storage: Store in dry area. Protect container from physical damage.

Other precautions: Avoid conditions which may generate dusty environment.

Steps to be taken in case Normal clean up procedures. Care should be taken to

Material is released or spilled: avoid causing dust to become airborne.Vacuum cleaning
Systems recommended.Do not flush to sewer.

Waste disposal methods: Dispose of according in federal,state and local regulations

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MATERIAL SAFETY DATA SHEET

Bio-Touch Inc,
20515 Paseo Del Prado St
Walnut, CA 91789
USA

IDENTIFICATION

Common name : Brown pigment
CAS No: 1332-37-2
Chemical name or Trade name: CI Pigment Brown
CI 77491
Product class: Viscous thick liquid
Molecular formula: Fe₂O₃

HAZARDOUS INGREDIENTS

CSA . Reg. No.) None

PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H₂O=1) Typical 1.75 – 1.85
Vapor density (Air = 1) N/A
Solubility in water : Insoluble,but miscible with water
Reactivity in water: unknown
Appearance and odor: Brown viscous liquid
Flash Point: N/A
Extinguishing Media: Waterfog,carbon dioxide,dry chemical
Special Fire None

PHYSICAL HAZARDS

Stability: Stable
Conditions to avoid: Conditions which generate dust
Incompatibility: unknown
Hazardous
Decomposition products: unknown
Hazardous
Polymerization: Will not occur

HEALTH HAZARDS

Signs and symptoms of exposure: No significant signs or symptoms indicative of any adverse health hazard is expected to occur.

Inhalation: Remove patient to fresh air for treatment

Eyes: Flush eyes with plenty of water.If irritation exist.obtain Medical attention

Skin: Remove by wiping,wash skin with soap and water

Ingestion: If large amounts of product are ingested obtain medical attention

SPECIAL PROTECTION INFORMATION

Respiratory protection: N/A

Ventilation: N/A

Protective Gloves: Recommended

Eye protection: Safety goggles

Other protective clothing or equipment : N/A

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Moisten slightly with water to reduce dust.Sweep up spilled material and discard into proper waste container.

Waste disposal methods: Dispose of according to federal, state and local regulations.

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MATERIAL SAFETY DATA SHEET

Bio-Touch Inc,
20515 Paseo Del Prado St
Walnut, CA 91789
USA

IDENTIFICATION

Common name : Burgundy pigment
CAS No: 5281-04-9 and 10101-66-3
Chemical name or Trade name: CI Pigment Burgundy
CI :15850:1, CI 77742
Product class: Viscous thick liquid
Molecular formula: C18H14N2O6S.Ca, MnNH4P2O7

PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H2O=1) Typical 1.10 1.30
Vapor density (Air = 1) N/A
Solubility in water : Insoluble,but miscible with water
Reactivity in water: unknown
Appearance and odor: Burgundy viscous liquid.
Flash Point: N/A
Extinguishing Media: Waterfog,carbon dioxide,dry chemical
Special Fire None

PHYSICAL HAZARDS

Stability: Stable
Conditions to avoid: Strong acid or strong alkaline
Incompatibility: unknown
Hazardous
Decomposition products: unknown
Hazardous
Polymerization: Will not occur

HEALTH HAZARDS

Signs and symptoms of exposure: N/A
Inhalation: Remove patient to fresh air for treatment
Eyes: Flush eyes with plenty of water.If irritation exist.obtain
Medical attention
Skin: Remove by wiping,wash skin with soap and water
Ingestion: If large amounts of product are ingested obtain medical
attention.

SPECIAL PROTECTION INFORMATION

Respiratory protection: N/A
Ventilation: N/A
Protective Gloves: Recommended
Eye protection: Safety goggles
Other protective clothing or equipment : N/A

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Moisten slightly with water to reduce dust.Sweep up spilled material and discard into proper waste container.
Waste disposal methods: Dispose of according to federal, state and local regulations.

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MATERIAL SAFETY DATA SHEET

Bio-Touch Inc,
20515 Paseo Del Prado St
Walnut, CA 91789
USA

IDENTIFICATION

Common name : Chocolate Brown pigment
CAS No: 1309-37-1
Chemical name or Trade name: CI Pigment Chocolate Brown
CI 77491, CI 77499, CI 77492
Product class: Viscous thick liquid
Molecular formula: Fe₂O₃, Fe₃O₄

PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H₂O=1) Typical 1.75 – 1.85
Vapor density (Air = 1) N/A
Solubility in water : Insoluble,but miscible with water
Reactivity in water: unknown
Appearance and odor: Chocolate Brown viscous liquid
Flash Point: N/A
Extinguishing Media: Waterfog,carbon dioxide,dry chemical
Special Fire None

PHYSICAL HAZARDS

Stability: Stable
Conditions to avoid: Strong acid or strong alkaline
Incompatibility: unknown
Hazardous
Decomposition products: unknown
Hazardous
Polymerization: Will not occur

HEALTH HAZARDS

Signs and symptoms of exposure: N/A
Inhalation: Remove patient to fresh air for treatment
Eyes: Flush eyes with plenty of water.If irritation exist.obtain
Medical attention
Skin: Remove by wiping,wash skin with soap and water
Ingestion: If large amounts of product are ingested obtain medical
attention.

SPECIAL PROTECTION INFORMATION

Respiratory protection: N/A
Ventilation: N/A
Protective Gloves: Recommended
Eye protection: Safety goggles
Other protective clothing or equipment : N/A

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Moisten slightly with water to reduce dust.Sweep up spilled material and discard into proper waste container.
Waste disposal methods: Dispose of according to federal, state and local regulations.

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MATERIAL SAFETY DATA SHEET

Bio-Touch Inc,
20515 Paseo Del Prado St
Walnut, CA 91789
USA

IDENTIFICATION

Common name : Dark Brown pigment
CAS No: 1309-37-1
Chemical name or Trade name: CI Pigment Dark Brown
CI 77491
Product class: Viscous thick liquid
Molecular formula: Fe₂O₃

PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H₂O=1) Typical 1.75 – 1.85
Vapor density (Air = 1) N/A
Solubility in water : Insoluble,but miscible with water
Reactivity in water: unknown
Appearance and odor: Dark Brown viscous liquid
Flash Point: N/A
Extinguishing Media: Waterfog,carbon dioxide,dry chemical
Special Fire None

PHYSICAL HAZARDS

Stability: Stable
Conditions to avoid: Strong acid or strong alkaline
Incompatibility: unknown
Hazardous
Decomposition products: unknown
Hazardous
Polymerization: Will not occur

HEALTH HAZARDS

Signs and symptoms of exposure: N/A
Inhalation: Remove patient to fresh air for treatment
Eyes: Flush eyes with plenty of water.If irritation exist.obtain
Medical attention
Skin: Remove by wiping,wash skin with soap and water
Ingestion: If large amounts of product are ingested obtain medical
attention.

SPECIAL PROTECTION INFORMATION

Respiratory protection: N/A
Ventilation: N/A
Protective Gloves: Recommended
Eye protection: Safety goggles
Other protective clothing or equipment : N/A

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Steps to be taken in case material is released or spilled:	Moisten slightly with water to reduce dust.Sweep up spilled material and discard into proper waste container.
Waste disposal methods:	Dispose of according to federal, state and local regulations.

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MATERIAL SAFETY DATA SHEET

Bio-Touch Inc,
20515 Paseo Del Prado St
Walnut, CA 91789
USA

IDENTIFICATION

Common name : Dark Red pigment
CAS No: 1309-37-1
Chemical name or Trade name: CI Pigment Dark Red
CI 77491
Product class: Viscous thick liquid
Molecular formula: Fe₂O₃

PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H₂O=1) Typical 1.75 – 1.85
Vapor density (Air = 1) N/A
Solubility in water : Insoluble,but miscible with water
Reactivity in water: unknown
Appearance and odor: Dark Red viscous liquid
Flash Point: N/A
Extinguishing Media: Waterfog,carbon dioxide,dry chemical
Special Fire None

PHYSICAL HAZARDS

Stability: Stable
Conditions to avoid: Strong acid or strong alkaline
Incompatibility: unknown
Hazardous
Decomposition products: unknown
Hazardous
Polymerization: Will not occur

HEALTH HAZARDS

Signs and symptoms of exposure: N/A
Inhalation: Remove patient to fresh air for treatment
Eyes: Flush eyes with plenty of water.If irritation exist.obtain
Medical attention
Skin: Remove by wiping,wash skin with soap and water
Ingestion: If large amounts of product are ingested obtain medical
attention.

SPECIAL PROTECTION INFORMATION

Respiratory protection: N/A
Ventilation: N/A
Protective Gloves: Recommended
Eye protection: Safety goggles
Other protective clothing or equipment : N/A

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Steps to be taken in case material is released or spilled:	Moisten slightly with water to reduce dust.Sweep up spilled material and discard into proper waste container.
Waste disposal methods:	Dispose of according to federal, state and local regulations.

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MATERIAL SAFETY DATA SHEET

Bio-Touch Inc,
20515 Paseo Del Prado St
Walnut, CA 91789
USA

IDENTIFICATION

Common name : Gray pigment
CAS No: 1317-61-9 and 1317-61-9
Chemical name or Trade name: Gray pigment

Product class: Iron oxide and Titanium dioxide
Molecular formula: Fe₃O₄,TiO₂

PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H₂O=1) Typical 1.75 – 1.85
Vapor density (Air = 1) N/A
Solubility in water : Insoluble,but miscible with water
Reactivity in water: unknown
Appearance and odor: Gray viscous liquid
Flash Point: N/A
Extinguishing Media: Waterfog,carbon dioxide,dry chemical
Special Fire None

PHYSICAL HAZARDS

Stability: Stable
Conditions to avoid: Strong acid or strong alkaline
Incompatibility: unknown
Hazardous
Decomposition products: unknown
Hazardous
Polymerization: Will not occur

HEALTH HAZARDS

Signs and symptoms of exposure: N/A
Inhalation: Remove patient to fresh air for treatment
Eyes: Flush eyes with plenty of water.If irritation exist.obtain
Medical attention
Skin: Remove by wiping,wash skin with soap and water
Ingestion: If large amounts of product are ingested obtain medical
attention.

SPECIAL PROTECTION INFORMATION

Respiratory protection: N/A
Ventilation: N/A
Protective Gloves: Recommended
Eye protection: Safety goggles
Other protective clothing or equipment : N/A

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Moisten slightly with water to reduce dust.Sweep up spilled material and discard into proper waste container.
Waste disposal methods: Dispose of according to federal, state and local regulations.

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MATERIAL SAFETY DATA SHEET

Bio-Touch Inc,
20515 Paseo Del Prado St
Walnut, CA 91789
USA

IDENTIFICATION

Common name:	Chromium Hydroxide Green
CAS No:	12001-99-9
Chemical name or Trade name :	CI Pigment Green 18 CI 77289
Product Class:	Pigment dry color
Molecular Formula:	Cr2O3.2H2

HAZARDOUS INGREDIENTS

CAS Reg . No.	unknown
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PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H2O=1)	1.65- 1.80
Vapor Density (Air=1)	N/A
Solubility in Water	Insoluble
Reactivity in Water	unknown
Appearance and Odor:	Green odorless powder
Flash Point	N/A

PHYSICAL HAZARDS

Stability:	Stable
Condition to avoid:	Conditions which generate dusts
Incompatibility:	unknown
Decomposition Products:	unknown
Polymerization:	Will not Occur

HEALTH HAZARDS

Eye contact :Flush eyes with plenty of low pressure water.If irritation exists,obtain medical attention.

Skin : Wash exposed skin areas with soap and water .If irritation exists,obtain medical attention.

Ingestion: Obtain medical attention if large amount of product is ingested.

Inhalation: No specific first aid procedures are necessary for accidental exposure to this product

SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use of a NIOSH approved dust respirator is recommended
When exposure limits may be exceeded.

Ventilation : Local exhaust ventilation to collect or containment
recommended to control dust to below exposure limits

Protective Gloves: Recommended- leather or rubber

Eye protection: Safety glasses,goggles,face shield.

Other Protective Clothing or Equipment: N/A

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be taken

In handling and storage: Store in dry area. Protect container from physical damage.

Other precautions: Avoid conditions which may generate dusty environment.

Steps to be taken in case Normal clean up procedures. Care should be taken to

Material is released or spilled: avoid causing dust to become airborne.Vacuum cleaning
Systems recommended.Do not flush to sewer.

Waste disposal methods: Dispose of according in federal,state and local regulations

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MATERIAL SAFETY DATA SHEET

Bio-Touch Inc,
20515 Paseo Del Prado St
Walnut, CA 91789
USA

IDENTIFICATION

Common name : Japanese Red pigment
CAS No: 5281049
Chemical name or Trade name: CI Pigment Red
CI 15850:1
Product class: Viscous thick liquid
Molecular formula: N/A

PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H₂O=1) Typical 1.10 1.30
Vapor density (Air = 1) N/A
Solubility in water : Insoluble,but miscible with water
Reactivity in water: unknown
Appearance and odor: Red viscous liquid.
Flash Point: N/A
Extinguishing Media: Waterfog,carbon dioxide,dry chemical
Heavy Metals: Lead < 20 ppm Arsenic < 3ppm Mercury < 1 ppm

PHYSICAL HAZARDS

Stability: Stable
Conditions to avoid: Strong acid or strong alkaline
Incompatibility: unknown
Hazardous
Decomposition products: unknown
Hazardous
Polymerization: Will not occur

HEALTH HAZARDS

Signs and symptoms of exposure: N/A
Inhalation: Remove patient to fresh air for treatment
Eyes: Flush eyes with plenty of water.If irritation exist.obtain
Medical attention
Skin: Remove by wiping,wash skin with soap and water
Ingestion: If large amounts of product are ingested obtain medical
attention.

SPECIAL PROTECTION INFORMATION

Respiratory protection: N/A
Ventilation: N/A
Protective Gloves: Recommended
Eye protection: Safety goggles
Other protective clothing or equipment : N/A

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Moisten slightly with water to reduce dust.Sweep up spilled material and discard into proper waste container.
Waste disposal methods: Dispose of according to federal, state and local regulations.

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MATERIAL SAFETY DATA SHEET

Bio-Touch Inc,
20515 Paseo Del Prado St
Walnut, CA 91789
USA

IDENTIFICATION

Common name : Jet Black pigment
CAS No: 1333-86-4
Chemical name or Trade name: CI Pigment Jet Black
CI 77266
Product class: Viscous thick black liquid
Molecular formula: N/A

PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H₂O=1) Typical 1.10 1.30
Vapor density (Air = 1) N/A
Solubility in water : Insoluble,but miscible with water
Reactivity in water: unknown
Appearance and odor: Black viscous liquid.
Flash Point: N/A
Extinguishing Media: Waterfog,carbon dioxide,dry chemical
Special Fire None

PHYSICAL HAZARDS

Stability: Stable
Conditions to avoid: Strong acid or strong alkaline
Incompatibility: unknown
Hazardous
Decomposition products: unknown
Hazardous
Polymerization: Will not occur

HEALTH HAZARDS

Signs and symptoms of exposure: N/A
Inhalation: Remove patient to fresh air for treatment
Eyes: Flush eyes with plenty of water.If irritation exist.obtain
Medical attention
Skin: Remove by wiping,wash skin with soap and water
Ingestion: If large amounts of product are ingested obtain medical
attention.

SPECIAL PROTECTION INFORMATION

Respiratory protection: N/A
Ventilation: N/A
Protective Gloves: Recommended
Eye protection: Safety goggles
Other protective clothing or equipment : N/A

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Steps to be taken in case material is released or spilled:	Moisten slightly with water to reduce dust.Sweep up spilled material and discard into proper waste container.
Waste disposal methods:	Dispose of according to federal, state and local regulations.

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MATERIAL SAFETY DATA SHEET

Bio-Touch Inc,
20515 Paseo Del Prado St
Walnut, CA 91789
USA

IDENTIFICATION

Common name : Light Brown pigment
CAS No: 1309-37-1
Chemical name or Trade name: CI Pigment Brown
CI 77499
Product class: Viscous thick liquid
Molecular formula: Fe₂O₃

PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H₂O=1) Typical 1.75 – 1.85
Vapor density (Air = 1) N/A
Solubility in water : Insoluble,but miscible with water
Reactivity in water: unknown
Appearance and odor: Light Brown viscous liquid
Flash Point: N/A
Extinguishing Media: Waterfog,carbon dioxide,dry chemical
Special Fire None

PHYSICAL HAZARDS

Stability: Stable
Conditions to avoid: Strong acid or strong alkaline
Incompatibility: unknown
Hazardous
Decomposition products: unknown
Hazardous
Polymerization: Will not occur

HEALTH HAZARDS

Signs and symptoms of exposure: N/A
Inhalation: Remove patient to fresh air for treatment
Eyes: Flush eyes with plenty of water.If irritation exist.obtain
Medical attention
Skin: Remove by wiping,wash skin with soap and water
Ingestion: If large amounts of product are ingested obtain medical
attention.

SPECIAL PROTECTION INFORMATION

Respiratory protection: N/A
Ventilation: N/A
Protective Gloves: Recommended
Eye protection: Safety goggles
Other protective clothing or equipment : N/A

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Steps to be taken in case material is released or spilled:	Moisten slightly with water to reduce dust.Sweep up spilled material and discard into proper waste container.
Waste disposal methods:	Dispose of according to federal, state and local regulations.

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MATERIAL SAFETY DATA SHEET

Bio-Touch Inc,
20515 Paseo Del Prado St
Walnut, CA 91789
USA

IDENTIFICATION

Common name : Olive pigment
CAS No: 1309-37-1
Chemical name or Trade name: CI Pigment Olive
CI 77491, CI 77499, CI 77492, CI 77891, CI 77289
Product class: Viscous thick liquid
Molecular formula: Fe₂O₃, Fe₃O₄, TiO₂, Cr₂O₃.H₂O

PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H₂O=1) Typical 1.73-1.83
Vapor density (Air = 1) N/A
Solubility in water : Insoluble, but miscible with water
Reactivity in water: unknown
Appearance and odor: Olive viscous liquid.
Flash Point: N/A
Extinguishing Media: Waterfog, carbon dioxide, dry chemical
Heavy Metals Lead < 20 ppm Arsenic < 3ppm Mercury < 1 ppm

PHYSICAL HAZARDS

Stability: Stable
Conditions to avoid: Strong acid or strong alkaline
Incompatibility: unknown
Hazardous
Decomposition products: unknown
Hazardous
Polymerization: Will not occur

HEALTH HAZARDS

Signs and symptoms of exposure: N/A
Inhalation: Remove patient to fresh air for treatment
Eyes: Flush eyes with plenty of water. If irritation exist. obtain
Medical attention
Skin: Remove by wiping, wash skin with soap and water
Ingestion: If large amounts of product are ingested obtain medical
attention.

SPECIAL PROTECTION INFORMATION

Respiratory protection: N/A
Ventilation: N/A
Protective Gloves: Recommended
Eye protection: Safety goggles
Other protective clothing or equipment : N/A

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Moisten slightly with water to reduce dust.Sweep up spilled material and discard into proper waste container.
Waste disposal methods: Dispose of according to federal, state and local regulations.

The information herein is given in good faith , but no warranty ,expressed or implied,is made. For further information consult Bio-Touch International,Inc.

MATERIAL SAFETY DATA SHEET

Bio-Touch Inc,
20515 Paseo Del Prado St
Walnut, CA 91789
USA

IDENTIFICATION

Common name : Orange pigment
CAS No: 596-03-2
Chemical name or Trade name: CI Pigment Orange
CI 45370:1
Product class: Viscous thick liquid
Molecular formula: C₂₀H₁₀Br₂O₅

PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H₂O=1) Typical 1.30 1.40
Vapor density (Air = 1) N/A
Solubility in water : Insoluble,but miscible with water
Reactivity in water: unknown
Appearance and odor: Orange viscous liquid.
Flash Point: N/A
Extinguishing Media: Waterfog,carbon dioxide,dry chemical
Special Fire None

PHYSICAL HAZARDS

Stability: Stable
Conditions to avoid: Strong acid or strong alkaline
Incompatibility: unknown
Hazardous
Decomposition products: unknown
Hazardous
Polymerization: Will not occur

HEALTH HAZARDS

Signs and symptoms of exposure: N/A
Inhalation: Remove patient to fresh air for treatment
Eyes: Flush eyes with plenty of water.If irritation exist.obtain
Medical attention
Skin: Remove by wiping,wash skin with soap and water
Ingestion: If large amounts of product are ingested obtain medical
attention.

SPECIAL PROTECTION INFORMATION

Respiratory protection: N/A
Ventilation: N/A
Protective Gloves: Recommended
Eye protection: Safety goggles
Other protective clothing or equipment : N/A

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Steps to be taken in case material is released or spilled:	Moisten slightly with water to reduce dust.Sweep up spilled material and discard into proper waste container.
Waste disposal methods:	Dispose of according to federal, state and local regulations.

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MATERIAL SAFETY DATA SHEET

Bio-Touch Inc,
20515 Paseo Del Prado St
Walnut, CA 91789
USA

IDENTIFICATION

Common name:	Pink Mauve pigment
CAS No:	5281-04-9 and 13463-67-7
Chemical name or Trade name :	Same as above
Product Class:	Organic pigment and titanium dioxide
Molecular Formula:	C ₁₈ H ₁₄ N ₂ O ₆ .Ca , TiO ₂

HAZARDOUS INGREDIENTS

CAS Reg . No.	None
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PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H ₂ O=1)	1.34-1.40
Vapor Density (Air=1)	N/A
Solubility in Water	Insoluble
Reactivity in Water	unknown
Appearance and Odor:	Pink Mauve viscous liquid
Flash Point	Non-flammable

PHYSICAL HAZARDS

Stability:	Stable
Condition to avoid:	None
Incompatibility:	unknown
Decomposition Products:	unknown
Polymerization:	unknown

HEALTH HAZARDS

Eye contact :Flush eyes with plenty of low pressure water.If irritation exists,obtain medical attention.

Skin : Wash exposed skin areas with soap and water .If irritation exists,obtain medical attention.

Ingestion: Obtain medical attention if large amount of product is ingested.

Inhalation: No specific first aid procedures are necessary for accidental exposure to this product

SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use of a NIOSH approved dust respirator is recommended

When exposure limits may be exceeded.

Ventilation : Local exhaust ventilation to collect or containment
recommended to control dust to below exposure limits

Protective Gloves: Recommended- leather or rubber

Eye protection: Safety glasses,goggles,face shield.

Other Protective Clothing or Equipment: N/A

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be taken

In handling and storage: Store in dry area. Protect container from physical damage.

Other precautions: Avoid conditions which may generate dusty environment.

Steps to be taken in case Normal clean up procedures. Care should be taken to

Material is released or spilled: avoid causing dust to become airborne.Vacuum cleaning
Systems recommended.Do not flush to sewer.

Waste disposal methods: Dispose of according in federal,state and local regulations

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MATERIAL SAFETY DATA SHEET

Bio-Touch Inc,
20515 Paseo Del Prado St
Walnut, CA 91789
USA

IDENTIFICATION

Common name : Red pigment
CAS No: N/A
Chemical name or Trade name: CI Pigment Red
CI 16035:1
Product class: Viscous thick liquid
Molecular formula: N/A

PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H₂O=1) Typical 1.30 1.40
Vapor density (Air = 1) N/A
Solubility in water : Insoluble,but miscible with water
Reactivity in water: unknown
Appearance and odor: Red viscous liquid.
Flash Point: N/A
Extinguishing Media: Waterfog,carbon dioxide,dry chemical
Special Fire None

PHYSICAL HAZARDS

Stability: Stable
Conditions to avoid: Strong acid or strong alkaline
Incompatibility: unknown
Hazardous
Decomposition products: unknown
Hazardous
Polymerization: Will not occur

HEALTH HAZARDS

Signs and symptoms of exposure: N/A
Inhalation: Remove patient to fresh air for treatment
Eyes: Flush eyes with plenty of water.If irritation exist.obtain
Medical attention
Skin: Remove by wiping,wash skin with soap and water
Ingestion: If large amounts of product are ingested obtain medical
attention.

SPECIAL PROTECTION INFORMATION

Respiratory protection: N/A
Ventilation: N/A
Protective Gloves: Recommended
Eye protection: Safety goggles
Other protective clothing or equipment : N/A

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Moisten slightly with water to reduce dust.Sweep up spilled material and discard into proper waste container.
Waste disposal methods: Dispose of according to federal, state and local regulations.

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MATERIAL SAFETY DATA SHEET

Bio-Touch Inc,
20515 Paseo Del Prado St
Walnut, CA 91789
USA

IDENTIFICATION

Common name:	Red Wine
CAS No:	5281-04-9 and 13463-67-7
Chemical name or Trade name :	Same as above
Product Class:	Organic pigment and titanium dioxide
Molecular Formula:	C ₁₈ H ₁₄ N ₂ O ₆ S.Ca , TiO ₂

HAZARDOUS INGREDIENTS

CAS Reg . No.	None
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PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H ₂ O=1)	1.36-1.41
Vapor Density (Air=1)	N/A
Solubility in Water	Insoluble
Reactivity in Water	unknown
Appearance and Odor:	Red viscous liquid
Flash Point	Non-flammable

PHYSICAL HAZARDS

Stability:	Stable
Condition to avoid:	None
Incompatibility:	unknown
Decomposition Products:	unknown
Polymerization:	unknown

HEALTH HAZARDS

Eye contact :Flush eyes with plenty of low pressure water.If irritation exists,obtain medical attention.

Skin : Wash exposed skin areas with soap and water .If irritation exists,obtain medical attention.

Ingestion: Obtain medical attention if large amount of product is ingested.

Inhalation: No specific first aid procedures are necessary for accidental exposure to this product

SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use of a NIOSH approved dust respirator is recommended
When exposure limits may be exceeded.

Ventilation : Local exhaust ventilation to collect or containment
recommended to control dust to below exposure limits

Protective Gloves: Recommended- leather or rubber

Eye protection: Safety glasses,goggles,face shield.

Other Protective Clothing or Equipment: N/A

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be taken

In handling and storage: Store in dry area. Protect container from physical damage.

Other precautions: Avoid conditions which may generate dusty environment.

Steps to be taken in case Normal clean up procedures. Care should be taken to

Material is released or spilled: avoid causing dust to become airborne.Vacuum cleaning
Systems recommended.Do not flush to sewer.

Waste disposal methods: Dispose of according in federal,state and local regulations

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MATERIAL SAFETY DATA SHEET

Bio-Touch Inc,
20515 Paseo Del Prado St
Walnut, CA 91789
USA

IDENTIFICATION

Common name : Rose Red pigment
CAS No: 1309-37-1
Chemical name or Trade name: CI Pigment Rose Red
CI 77491 and CI 77891
Product class: Viscous thick liquid
Molecular formula: Fe₂O₃ and TiO₂

PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H₂O=1) Typical 1.75 – 1.85
Vapor density (Air = 1) N/A
Solubility in water : Insoluble,but miscible with water
Reactivity in water: unknown
Appearance and odor: Rose Red viscous liquid
Flash Point: N/A
Extinguishing Media: Waterfog,carbon dioxide,dry chemical
Special Fire None

PHYSICAL HAZARDS

Stability: Stable
Conditions to avoid: Strong acid or strong alkaline
Incompatibility: unknown
Hazardous
Decomposition products: unknown
Hazardous
Polymerization: Will not occur

HEALTH HAZARDS

Signs and symptoms of exposure: N/A
Inhalation: Remove patient to fresh air for treatment
Eyes: Flush eyes with plenty of water.If irritation exist.obtain
Medical attention
Skin: Remove by wiping,wash skin with soap and water
Ingestion: If large amounts of product are ingested obtain medical
attention.

SPECIAL PROTECTION INFORMATION

Respiratory protection: N/A
Ventilation: N/A
Protective Gloves: Recommended
Eye protection: Safety goggles
Other protective clothing or equipment : N/A

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Moisten slightly with water to reduce dust.Sweep up spilled material and discard into proper waste container.
Waste disposal methods: Dispose of according to federal, state and local regulations.

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MATERIAL SAFETY DATA SHEET

Bio-Touch Inc,
20515 Paseo Del Prado St
Walnut, CA 91789
USA

IDENTIFICATION

Common name : Sunset pigment
CAS No: 15790-07-5 , 1309-37-1
Chemical name or Trade name: CI Pigment Sunset
CI :15985:1, CI 77492
Product class: Viscous thick liquid
Molecular formula: N/A

PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H₂O=1) Typical 1.10 1.30
Vapor density (Air = 1) N/A
Solubility in water : Insoluble,but miscible with water
Reactivity in water: unknown
Appearance and odor: Sunset viscous liquid.
Flash Point: N/A
Extinguishing Media: Waterfog,carbon dioxide,dry chemical
Special Fire None
Heavy Metals Lead < 20 ppm Arsenic < 3 ppm Mercury < 1 ppm

PHYSICAL HAZARDS

Stability: Stable
Conditions to avoid: Strong acid or strong alkaline
Incompatibility: unknown
Hazardous
Decomposition products: unknown
Hazardous
Polymerization: Will not occur

HEALTH HAZARDS

Signs and symptoms of exposure: N/A
Inhalation: Remove patient to fresh air for treatment
Eyes: Flush eyes with plenty of water.If irritation exist.obtain
Medical attention
Skin: Remove by wiping,wash skin with soap and water
Ingestion: If large amounts of product are ingested obtain medical
attention.

SPECIAL PROTECTION INFORMATION

Respiratory protection: N/A
Ventilation: N/A
Protective Gloves: Recommended
Eye protection: Safety goggles
Other protective clothing or equipment : N/A

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Moisten slightly with water to reduce dust.Sweep up spilled material and discard into proper waste container.
Waste disposal methods: Dispose of according to federal, state and local regulations.

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MATERIAL SAFETY DATA SHEET

Bio-Touch Inc,
20515 Paseo Del Prado St
Walnut, CA 91789
USA

IDENTIFICATION

Common name : Taupe pigment
CAS No: 1309-37-1
Chemical name or Trade name: CI Pigment Taupe
CI 77491, CI 77499, CI 77492, CI 77891
Product class: Viscous thick liquid
Molecular formula: Fe₂O₃, Fe₃O₄,TiO₂

PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H₂O=1) Typical 1.73-1.83
Vapor density (Air = 1) N/A
Solubility in water : Insoluble,but miscible with water
Reactivity in water: unknown
Appearance and odor: Taupe viscous liquid.
Flash Point: N/A
Extinguishing Media: Waterfog,carbon dioxide,dry chemical
Special Fire None

PHYSICAL HAZARDS

Stability: Stable
Conditions to avoid: Strong acid or strong alkaline
Incompatibility: unknown
Hazardous
Decomposition products: unknown
Hazardous
Polymerization: Will not occur

HEALTH HAZARDS

Signs and symptoms of exposure: N/A
Inhalation: Remove patient to fresh air for treatment
Eyes: Flush eyes with plenty of water.If irritation exist.obtain
Medical attention
Skin: Remove by wiping,wash skin with soap and water
Ingestion: If large amounts of product are ingested obtain medical
attention.

SPECIAL PROTECTION INFORMATION

Respiratory protection: N/A
Ventilation: N/A
Protective Gloves: Recommended
Eye protection: Safety goggles
Other protective clothing or equipment : N/A

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Moisten slightly with water to reduce dust.Sweep up spilled material and discard into proper waste container.
Waste disposal methods: Dispose of according to federal, state and local regulations.

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MATERIAL SAFETY DATA SHEET

Bio-Touch Inc,
20515 Paseo Del Prado St
Walnut, CA 91789
USA

IDENTIFICATION

Common name:	White Pigment (Titanium Dioxide)
CAS No:	13463-67-7
Chemical name or Trade name :	Same as above
Product Class:	Metal Oxide
Molecular Formula:	TiO ₂

HAZARDOUS INGREDIENTS

CAS Reg . No.	None
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PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H ₂ O=1)	1.50 -1.60
Vapor Density (Air=1)	N/A
Solubility in Water	Insoluble
Reactivity in Water	unknown
Appearance and Odor:	Viscous thick liquid
Flash Point	N/A

PHYSICAL HAZARDS

Stability:	Stable
Condition to avoid:	None
Incompatibility:	unknown
Decomposition Products:	unknown
Polymerization:	Will not Occur

HEALTH HAZARDS

Eye contact :Flush eyes with plenty of low pressure water.If irritation exists,obtain medical attention.

Skin : Wash exposed skin areas with soap and water .If irritation exists,obtain medical attention.

Ingestion: Obtain medical attention if large amount of product is ingested.

Inhalation: No specific first aid procedures are necessary for accidental exposure to this product

SPECIAL PROTECTION INFORMATION

Respiratory Protection: N/A

Protective Gloves: Recommended- leather or rubber

Eye protection: Safety glasses,goggles,face shield.

Other Protective Clothing or Equipment: N/A

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be taken

In handling and storage: Store in dry area. Protect container from physical damage.

Steps to be taken in case Normal clean up procedures. Care should be taken to

Waste disposal methods: Dispose of according in federal,state and local regulations

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MATERIAL SAFETY DATA SHEET

Bio-Touch Inc,
20515 Paseo Del Prado St
Walnut, CA 91789
USA

IDENTIFICATION

Common name : Yellow pigment
CAS No: 1309-37-1
Chemical name or Trade name: CI Pigment Yellow
CI 77492
Product class: Viscous thick liquid
Molecular formula: Fe₂O₃

PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H₂O=1) Typical 1.70 – 1.82
Vapor density (Air = 1) N/A
Solubility in water : Insoluble, but miscible with water
Reactivity in water: unknown
Appearance and odor: Yellow viscous liquid
Flash Point: N/A
Extinguishing Media: Waterfog, carbon dioxide, dry chemical
Special Fire None

PHYSICAL HAZARDS

Stability: Stable
Conditions to avoid: Strong acid or strong alkaline
Incompatibility: unknown
Hazardous
Decomposition products: unknown
Hazardous
Polymerization: Will not occur

HEALTH HAZARDS

Signs and symptoms of exposure: N/A
Inhalation: Remove patient to fresh air for treatment
Eyes: Flush eyes with plenty of water. If irritation exist. obtain
Medical attention
Skin: Remove by wiping, wash skin with soap and water
Ingestion: If large amounts of product are ingested obtain medical
attention.

SPECIAL PROTECTION INFORMATION

Respiratory protection: N/A
Ventilation: N/A
Protective Gloves: Recommended
Eye protection: Safety goggles
Other protective clothing or equipment : N/A

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Moisten slightly with water to reduce dust.Sweep up spilled material and discard into proper waste container.
Waste disposal methods: Dispose of according to federal, state and local regulations.

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