

**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 <sub>2</sub>

HAZARDOUS INGREDIENTS

CAS Reg. No.	None
--------------	------

PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H <sub>2</sub> 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:  $\text{Fe}_2\text{O}_3, \text{TiO}_2$

---

### PHYSICAL & CHEMICAL CHARACTERISTICS

---

Specific Gravity (  $\text{H}_2\text{O}=1$  ) 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:	Fe <sub>3</sub> O <sub>4</sub>

---

### PHYSICAL & CHEMICAL CHARACTERISTICS

---

Specific Gravity ( H <sub>2</sub> O=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:	unkown
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:	Blue pigment
CAS No:	25869-00-5
Chemical name or Trade name :	Same as above
Product Class:	Iron blue
Molecular Formula:	C <sub>6</sub> Fe <sub>2</sub> N <sub>10</sub> H

---

### HAZARDOUS INGREDIENTS

---

CAS Reg . No.	None
---------------	------

---

### PHYSICAL & CHEMICAL CHARACTERISTICS

---

Specific Gravity ( H <sub>2</sub> 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

---

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 : Brown pigment  
CAS No: 1332-37-2  
Chemical name or Trade name: CI Pigment Brown  
CI 77491  
Product class: Viscous thick liquid  
Molecular formula: Fe<sub>2</sub>O<sub>3</sub>

---

### HAZARDOUS INGREDIENTS

---

CSA . Reg. No.) None

---

### PHYSICAL & CHEMICAL CHARACTERISTICS

---

Specific Gravity ( H<sub>2</sub>O=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.

---

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 :	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:	C <sub>18</sub> H <sub>14</sub> N <sub>2</sub> O <sub>6</sub> S.Ca, MnNH <sub>4</sub> P <sub>2</sub> O <sub>7</sub>

---

### PHYSICAL & CHEMICAL CHARACTERISTICS

---

Specific Gravity ( H <sub>2</sub> O=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:	unkown
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 :	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:	Fe <sub>2</sub> O <sub>3</sub> , Fe <sub>3</sub> O <sub>4</sub>

---

### PHYSICAL & CHEMICAL CHARACTERISTICS

---

Specific Gravity ( H <sub>2</sub> O=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 exists, 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 :	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:	Fe <sub>2</sub> O <sub>3</sub>

---

### PHYSICAL & CHEMICAL CHARACTERISTICS

---

Specific Gravity ( H <sub>2</sub> O=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.

---

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 :	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 exists, 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 : 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:  $\text{Fe}_3\text{O}_4, \text{TiO}_2$

---

### PHYSICAL & CHEMICAL CHARACTERISTICS

---

Specific Gravity (  $\text{H}_2\text{O}=1$  ) 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 exists, 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:	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
---------------	---------

---

### 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

---

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 : 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 ( H<sub>2</sub>O=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.

---

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 :	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 ( H <sub>2</sub> O=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:	unkown
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 :	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.

---

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 :	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: C<sub>20</sub>H<sub>10</sub>Br<sub>2</sub>O<sub>5</sub>

---

### PHYSICAL & CHEMICAL CHARACTERISTICS

---

Specific Gravity ( H<sub>2</sub>O=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.

---

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:	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:	C18H14N2O6S.Ca , TiO2

---

### HAZARDOUS INGREDIENTS

---

CAS Reg . No.	None
---------------	------

---

### PHYSICAL & CHEMICAL CHARACTERISTICS

---

Specific Gravity ( H2O=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

---

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 : 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 ( H<sub>2</sub>O=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.

---

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:	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 <sub>18</sub> H <sub>14</sub> N <sub>2</sub> O <sub>6</sub> S.Ca , TiO <sub>2</sub>

---

### HAZARDOUS INGREDIENTS

---

CAS Reg . No.	None
---------------	------

---

### PHYSICAL & CHEMICAL CHARACTERISTICS

---

Specific Gravity ( H <sub>2</sub> 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

---

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 :	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:	Fe <sub>2</sub> O <sub>3</sub> and TiO <sub>2</sub>

---

### PHYSICAL & CHEMICAL CHARACTERISTICS

---

Specific Gravity ( H <sub>2</sub> O=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 exists, 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 : 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 ( H<sub>2</sub>O=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.

---

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 :	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:	Fe <sub>2</sub> O <sub>3</sub> , Fe <sub>3</sub> O <sub>4</sub> , TiO <sub>2</sub>

---

### PHYSICAL & CHEMICAL CHARACTERISTICS

---

Specific Gravity ( H <sub>2</sub> O=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.

---

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

---

### HAZARDOUS INGREDIENTS

---

CAS Reg . No.	None
---------------	------

---

### PHYSICAL & CHEMICAL CHARACTERISTICS

---

Specific Gravity ( H <sub>2</sub> 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

---

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 :	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 exists, 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.