

SAFETY DATA SHEET **EA-1204 RED IRON OXIDE****SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY****1.1 Product identifier**

Trade Name Red Iron Oxide
 Chemical Name Synthetic Red Iron Oxide

1.2 Relevant identified uses of the substance or mixture

Red pigment for personal care applications

1.3 Details of the supplier of the safety data sheet

Manufacturer: Color Techniques, Inc.
 260 Ryan Street
 South Plainfield, NJ 07080 USA

TELEPHONE: 908-412-9292
 EMAIL: mahmoudh@color-techniques.com
 FAX: 908-412-9339

1.4 Emergency telephone number

For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night
 Within USA and Canada: 1-800-424-9300 CCN203590
 Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

SECTION 2 POSSIBLE HAZARDS**2.1 Classification of the substance or mixture**

Iron Oxides are not listed on Annex 1 to Directive 67/548 EEC on Classification and Labelling of Dangerous Substances and are not hazardous substances or mixtures according to Regulation (EC) No. 1272/2008.

GHS Classification:

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Pictogram No pictogram
 Signal Word No signal word.

Hazard statement(s)
 H316 Causes mild skin irritation
 H320 Causes Eye irritation

Precautionary statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.2 Label elements

No special labeling required

2.3 Other Hazards

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SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

INGREDIENT NAME	CAS NUMBER	EINECS	COLOUR INDEX	REACH
Iron Oxide Red, 100%	1309-37-1	215-168-2	77491	01-2119457614-35

3.2 Mixtures

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SECTION 4 FIRST AID MEASURES**4.1 Description of first aid measures**

Eyes – flush eyes with plenty of water for at least 15 minutes. Consult a physician if irritation persists.
 Skin – wash with soap and water.
 Inhalation – remove to fresh air. If breathing is labored or stopped, give artificial respiration. Get immediate medical attention.
 Ingestion – if swallowed, dilute with large amounts of water to induce vomiting. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

Acute – causes mechanical skin and eye irritation.
 Chronic – prolonged inhalation of iron oxide dust is known to produce a condition known as siderosis. On X-rays it appears to be a benign pneumoconiosis and is not associated with pulmonary fibrosis or disability. Unless there is concurrent exposure to other fibrosis-producing materials such as silica. The tlv is set to protect against siderosis.

4.3 Indications of any immediate medical attention and special treatment needed

Eyes – may cause mechanical irritation
 Skin – none
 Inhalation – low health risk by inhalation. Treat as nuisance dust.
 Oral Id50 – greater than 10 g/kg (rat)

SECTION 5 FIRE FIGHTING MEASURES

SDS-800-2238OZ

5.1 Extinguishing media

Use extinguishing agent applicable to surrounding fire.

5.2 Special hazards arising from substance or mixture

No unusual fire or spill hazard. Low risk by inhalation.

Hazardous combustion products – none

5.3 Advice for firefighters

Fire fighters should wear NIOSH approved, positive pressure, self contained breathing apparatus (SCBA) and full protective clothing when appropriate.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment to avoid inhalation of dust

6.2 Environmental precautions

Avoid washing into waterways or public water supply.

6.3 Methods and material for containment and cleaning up

Avoid dust formation. Vacuum, sweep, shovel or use wet clean up techniques and place waste material in closed container.

6.4 Reference to other sections

See Section 1 for emergency contact information, Section 8 for appropriate personal protection and Section 13 for additional waste treatment information.

SECTION 7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling: good industrial hygiene practice requires that employee exposure be maintained below tlv. This is preferably achieved through the provision of adequate ventilation where necessary. Where dust cannot be controlled in this way, personal respiratory protection should be employed.

7.2 Conditions for safe storage, including any incompatibilities

Storage: store in a clean, dry area at ambient temperature in original unopened containers. Conditions of high humidity may require storage in a controlled environment.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Exposure Limits:

OEL(Iron Oxide Fume): 5 mg/m³ (8 hour reference period), 10mg/m³(15 minute reference period)

ACGIH TLV: 5 mg/m³ (Iron Oxide Fume)

OSHA PEL: 10 ppm (Iron Oxide Fume As Fe)

8.2 Exposure controls

Engineering controls: use with adequate ventilation to meet exposure limits listed above.

Respiratory protection: NIOSH approved dust respirator if overexposure potential exists.

Skin protection: leather or rubber gloves.

Eye protection: safety glasses, goggles or face shield recommended.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Red powder

Boiling point: >1000° C

Vapor pressure: not applicable

Vapor density: not applicable

pH: 5-8 for aqueous suspension

Odor: none

Odor threshold: not applicable

Flash point: not applicable

Flammable properties: non-flammable

Flammable limits: not applicable

Auto-ignition temperature: not applicable

Specific gravity: 4.45-4.80 @ 20° C

Solubility: Insoluble

Chemical Formula: Fe₂O₃

9.2 Other information

-

SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity

Conditions to avoid: none

10.2 Chemical Stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

None

10.4 Conditions to avoid

None

10.5 Incompatible materials

Iron oxides are not compatible with strong oxidizing agents

10.6 Hazardous decomposing products

Hazardous decomposition products formed under fire conditions. -Iron Oxides

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

SDS-800-2238OZ

There are no known dangerous acute effects associated with the use of this material. The acute oral toxicity LD_{50} oral (rat) for Fe_2O_3 is greater than 10 g/kg (rat).

This product is not considered to be a known or suspected carcinogen by NTP, IARC or OSHA.

SECTION 12 ECOLOGICAL INFORMATION

12.1 Toxicity

No harmful effects known other than those associated with suspended inert solids in water.

12.2 Persistence and degradability

Methods for the determination of biodegradability are not applicable to inorganic substances

12.3 Bioaccumulative potential

The product is practically insoluble in water and not biodegradable

12.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

According to Annex xiii of Regulation (EC) 1907/2006 A PBT and vPvB assessment shall not be conducted for inorganic substances. This material is an inorganic substance, thus a PBT and vPvB assessment is not required.

12.6 Other adverse effects

No none significant effects or critical hazards.

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

No hazardous waste according to European Directive 2000/5322/EC. Reclaim and recycle material if possible, otherwise dispose according to local regulations. As sold, this product is not classified as a RCRA hazardous waste as defined by 40CFR261. It is the responsibility of the user to determine RCRA classification of any product containing this iron oxide.

SECTION 14 TRANSPORTATION INFORMATION

	DOT (USA)	IMDG	IATA
14.1 UN number	Not dangerous goods	Not dangerous goods	Not dangerous goods
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No	No	No
14.6 Special precautions for user	Not classified as hazardous and not regulated		
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	-		

SECTION 15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

TSCA status: components of this product are listed

Cercla reportable quantity: none

Sara Title III

Section 311/312 hazardous categories: none

Section 313 toxic chemicals: none

International regulations:

Canadian WHMIS – this material is not a controlled substance

European Community - listed on ecoin, the European Core Inventory

Canada (DSL): listed

EC (einecs/elincs): listed

Australia (AICS): listed

Japan (ENCS): listed and are not hazardous substances or mixtures according to

Regulation (EC) No. 1272/2008. and are not hazardous substances or mixtures according to Regulation (EC) No. 1272/2008.

China (IECSC): listed

Korea (ECL): listed

New Zealand (HASNO)

Philippine (PICCS): listed

SECTION 16 OTHER INFORMATION

NFPA Ratings:

Health

0

Flammability

0

Reactivity

0

HMIS Ratings:

Health

0

Flammability

0

Reactivity

0

Personal Protection E – Glasses, Gloves, Dust Resp.

GHS Classification:

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Pictogram No pictogram

Signal Word No signal word.

Hazard statement(s)

H316 Causes mild skin irritation

H320 Causes Eye irritation

Precautionary statement(s)

P261

Avoid breathing dust/fume/gas/mist/vapours/spray.

P305+P351+P338

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

This data is prepared in accordance with European Community Directive 2001/58/EC, to the best of our knowledge with current data available. The information contained in this document has been gathered from reference materials and /or Color Techniques Inc. test data and is to the best knowledge and belief of Color Techniques Inc., accurate and reliable. Such information is offered solely for your consideration, investigation and verification. It is not suggested or guaranteed that the hazard precautions or procedures described are the only ones, which exist. Color Techniques Inc. makes no warranty, expressed or implied, with respect to the use of such information and assumes no responsibility therefore. Information on this safety data sheet is not intended to constitute a basis for product specification.

ISSUED: 9/13/05

REVISED: 6/07, 10/07, 6/08 (additions to Section XVI for EU compliance), 1/10(additions to Section XV regulatory), 1/13 (% added to Section III), 6/13 (SECTION I, expanded), SECTION VIII (added exposure controls and OEL), SECTION XVI (HMIS &NFPA rating added), 6/26/13 (Changes against last version: adaptation to directive 453/2010/EC, 9/15/2014 (GHS information added to Section 2,16), 10/16/2014 (Regulation EC No. 1272/2008 added to Section 2), 6/18/15 (H335 removed from Section 2,16).

END OF SDS



SAFETY DATA SHEET EA-1403 BLACK IRON OXIDE

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY

1.1 Product identifier

Trade Name Black Iron Oxide
 Chemical Name Synthetic Black Iron Oxide

1.2 Relevant identified uses of the substance or mixture

Black pigment for personal care applications

1.3 Details of the supplier of the safety data sheet

Manufacturer: Color Techniques, Inc.
 260 Ryan Street
 South Plainfield, NJ 07080 USA
 TELEPHONE: 908-412-9292
 EMAIL: mahmoudh@color-techniques.com
 FAX: 908-412-9339

1.4 Emergency telephone number

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 Within USA and Canada: 1-800-424-9300 CCN203590
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SECTION 2 POSSIBLE HAZARDS

2.1 Classification of the substance or mixture

Iron Oxides are not listed on Annex 1 to Directive 67/548 EEC on Classification and Labelling of Dangerous Substances and are not hazardous substances or mixtures according to Regulation (EC) No. 1272/2008.

GHS Classification:

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Pictogram No pictogram
 Signal Word No signal word.

Hazard statement(s)

H316 Causes mild skin irritation
 H320 Causes Eye irritation

Precautionary statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P410+412 Protect from sunlight. Do not expose to temperatures exceeding 60°C/140°F

2.2 Label elements

UN3190, self-heating solid, inorganic, n.o.s. 4.2, PGI (Contains Black Iron Oxide)

2.3 Other Hazards

-

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

INGREDIENT NAME	CAS NUMBER	EINECS	COLOUR INDEX	REACH
Iron Oxide Black, 100%	1317-61-9 or 12227-89-3	215-277-5 or 235-442-9	77499	01-2119457646-28-0018

3.2 Mixtures

-

SECTION 4 FIRST AID MEASURES

4.1 Description of first aid measures

Eyes – flush eyes with plenty of water for at least 15 minutes. Consult a physician if irritation persists.

Skin – wash with soap and water.

Inhalation – remove to fresh air. If breathing is labored or stopped, give artificial respiration. Get immediate medical attention.

Ingestion – if swallowed, dilute with large amounts of water to induce vomiting. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

Acute – causes mechanical skin and eye irritation.

Chronic – prolonged inhalation of iron oxide dust is known to produce a condition known as siderosis. On X-rays it appears to be a benign pneumoconiosis and is not associated with pulmonary fibrosis or disability. Unless there is concurrent exposure to other fibrosis-producing materials such as silica. The tlv is set to protect against siderosis.

4.3 Indications of any immediate medical attention and special treatment needed

Eyes – may cause mechanical irritation

Skin – none

Inhalation – low health risk by inhalation. Treat as nuisance dust.

SDS-800-2238OZ
Oral LD50 – greater than 10 g/kg (rat)

SECTION 5 FIRE FIGHTING MEASURES

5.1 Extinguishing media

Use extinguishing agent applicable to surrounding fire.

5.2 Special hazards arising from substance or mixture

Product may auto-oxidize if exposed to temperatures exceeding 140°F which generates heat and may ignite surrounding combustibles.

5.3 Advice for firefighters

Fire fighters should wear NIOSH approved, positive pressure, self-contained breathing apparatus (SCBA) and full protective clothing when appropriate.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment to avoid inhalation of dust

6.2 Environmental precautions

Avoid washing into waterways or public water supply.

6.3 Methods and material for containment and cleaning up

Avoid dust formation. Vacuum, sweep, shovel or use wet clean up techniques and place waste material in closed container.

6.4 Reference to other sections

See Section 1 for emergency contact information, Section 8 for appropriate personal protection and Section 13 for additional waste treatment information.

SECTION 7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling: good industrial hygiene practice requires that employee exposure be maintained below tlv. This is preferably achieved through the provision of adequate ventilation where necessary. Where dust cannot be controlled in this way, personal respiratory protection should be employed.

7.2 Conditions for safe storage, including any incompatibilities

Storage: store in a clean, dry area at ambient temperature in original unopened containers. Conditions of high humidity may require storage in a controlled environment. Product may auto-oxidize if exposed to temperatures exceeding 140°F which generates heat and may ignite surrounding combustibles.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Exposure Limits:

OEL(Iron Oxide Fume): 5 mg/m³ (8 hour reference period), 10mg/m³(15 minute reference period)

ACGIH TLV: 5 mg/m³ (Iron Oxide Fume)

OSHA PEL: 10 ppm (Iron Oxide Fume As Fe)

TWA: 5 mg/m³ (USA. ACGIH Threshold Limit Values (TLV)

8.2 Exposure controls

Engineering controls: use with adequate ventilation to meet exposure limits listed above.

Respiratory protection: NIOSH approved dust respirator if overexposure potential exists.

Skin protection: leather or rubber gloves.

Eye protection: safety glasses, goggles or face shield recommended.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Black powder

Boiling point: >1000° C

Vapor pressure: not applicable

Vapor density: not applicable

pH: 5-8 for aqueous suspension

Odor: none

Odor threshold: not applicable

Flash point: not applicable

Flammable properties: non-flammable

Flammable limits: not applicable

Auto-ignition temperature: not applicable

Specific gravity: 4.8-5.1 @ 20° C

Solubility: Insoluble

Chemical Formula: Fe₃O₄

9.2 Other information

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SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity

Conditions to avoid: none

10.2 Chemical Stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

Black iron oxide may auto-oxidize if exposed to temperatures exceeding 140°F

10.4 Conditions to avoid

Temperatures above 140°F

10.5 Incompatible materials

Iron oxides are not compatible with strong oxidizing agents

10.6 Hazardous decomposing products

SECTION 11 TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

There are no known dangerous acute effects associated with the use of this material. The acute oral toxicity LD_{50} oral (rat) for Fe_2O_3 is greater than 10 g/kg (rat).

This product is not considered to be a known or suspected carcinogen by NTP, IARC or OSHA.

SECTION 12 ECOLOGICAL INFORMATION**12.1 Toxicity**

No harmful effects known other than those associated with suspended inert solids in water.

12.2 Persistence and degradability

Methods for the determination of biodegradability are not applicable to inorganic substances

12.3 Bioaccumulative potential

The product is practically insoluble in water and not biodegradable

12.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

According to Annex xiii of Regulation (EC) 1907/2006 A PBT and vPvB assessment shall not be conducted for inorganic substances. This material is an inorganic substance, thus a PBT and vPvB assessment is not required.

12.6 Other adverse effects

No none significant effects or critical hazards.

SECTION 13 DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

No hazardous waste according to European Directive 2000/5322/EC. Reclaim and recycle material if possible, otherwise dispose according to local regulations. As sold, this product is not classified as a RCRA hazardous waste as defined by 40CFR261. It is the responsibility of the user to determine RCRA classification of any product containing this iron oxide.

SECTION 14 TRANSPORTATION INFORMATION

	DOT (USA)	IMDG	IATA
14.1 UN number	UN3190	UN3190	UN3190
14.2 UN proper shipping name	Ferroso ferric oxide	Ferroso ferric oxide	Ferroso ferric oxide
14.3 Transport hazard class	self-heating solid	self-heating solid	self-heating solid
14.4 Packing group	PGII	PGII	PGII
14.5 Environmental hazards	No	No	No
14.6 Special precautions for user	store below 140°F	store below 140°F	store below 140°F
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not available		

SECTION 15 REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

TSCA status: listed

Cercla reportable quantity: none

SARA Title III:

Section 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

Section 311/312 hazardous categories: none

Section 313 toxic chemicals: none

International regulations:

Canadian WHMIS – this material is not a controlled substance

European community - listed on ecoin, the European core inventory

Canada (DSL): listed

EC (einescs/elincs): listed

Australia (AICS): listed

Japan (METI/ENCS): listed

China (IECSC): listed

Korea (ECL, KECL): listed

New Zealand (HASNO)

Philippine (PICCS): listed

SECTION 16 OTHER INFORMATION

NFPA Ratings:

		Health	Flammability	Reactivity	HMIS Ratings:
Health	0	Health	0		0
Flammability	0	Flammability	0		0
Reactivity	0	Reactivity	0		0

Personal Protection E – Glasses, Gloves, Dust Resp.

GHS Classification:

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Pictogram No pictogram

Signal Word No signal word.

Hazard statement(s)

H316 Causes mild skin irritation

SDS-800-2238OZ

H320 Causes Eye irritation

Precautionary statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P410+412 Protect from sunlight. Do not expose to temperatures exceeding 60°C/140°F

This data is prepared in accordance with European Community Directive 2001/58/EC, to the best of our knowledge with current data available. The information contained in this document has been gathered from reference materials and /or Color Techniques Inc. test data and is to the best knowledge and belief of Color Techniques Inc., accurate and reliable. Such information is offered solely for your consideration, investigation and verification. It is not suggested or guaranteed that the hazard precautions or procedures described are the only ones, which exist. Color Techniques Inc. makes no warranty, expressed or implied, with respect to the use of such information and assumes no responsibility therefore. Information on this safety data sheet is not intended to constitute a basis for product specification.

ISSUED: 9/13/05

REVISED: 6/07, 10/07, 6/08 (additions to Section XVI for EU compliance), 1/10(additions to Section XV regulatory), 1/13 (% added to Section III), 6/13 (SECTION I, expanded), SECTION VIII (added exposure controls and OEL), SECTION XVI (HMIS &NFPA rating added), 6/26/13 (Changes against last version: adaptation to directive 453/2010/EC, 9/15/2014 (GHS information added to Section 2,16), 10/16/2014 (Regulation EC No. 1272/2008 added to Section 2), 6/18/15 (H335 removed from Section 2,16).

End of SDS

Beeswax

Beeswax
Cera Alba
Insect Wax

Company: STRAHL & PITTSCH INC.
230 Great East Neck Road
West Babylon, NY 11704

For further information, contact
631 587-9000
8 AM - 5 PM Eastern Time
Monday thru Friday

None anticipated

Notes: This material may burn but will not ignite readily. Keep away from all sources of ignition.

Form: Slab, Pastilles Color: White - Off white Odor: slight - characteristic	NFPA Hazard Class: Health: 0 (Least) Flammability: 1 (Slight) Reactivity: 0 (Least)
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Information on Ingredients

classified as hazardous according to the GHS.

-3 100%

Information

Effects:

Material is not expected to be an eye irritant; however, contact with molten wax may cause irritation. Vapors from molten wax may cause watering of the eyes.

Material is not expected to be a skin irritant; however, skin contact with molten wax may cause irritation. No harmful effects from skin absorption are expected.

(Inhaling): Vapors emitted from molten wax are expected to have a low degree of irritation by inhalation.

(Swallowing): No harmful effects expected

Symptoms: Effects of overexposure may include irritation of the nose and throat

First Aid: No data available
No data available
No data available

Special Conditions: None known

First Aid

If redness develops from exposure to fumes generated during hot-melt processing operations, move away from exposure and into fresh air. Flush eyes with clean water. If irritation or redness persists, seek medical attention. For contact with the molten material, gently open eyelids and flush affected area with cold water. Seek immediate medical attention.

(Skin contact): If contact with molten material, leave material on skin and flush or immerse affected area(s), using cold water. Seek immediate medical attention.

(Inhalation): If respiratory symptoms develop from exposure to fumes emitted by the molten material,

Properties: Flash Point (ASTM D92): 400 Degrees F (COC) Minimum
OSHA Flammability Class: Not regulated
LEL/UEL: No data
Autoignition Temperature: No data
Burn Rate (solids): No data

Explosion Hazards: This material may burn, but will not ignite readily.

Media: Dry chemical, foam, water, sand, or earth is recommended.

Instructions: Emergency responders in the danger area should wear bunker gear and self-breathing apparatus for fires beyond the incipient state (29CFR 1910.156). In addition, wear other protective equipment as conditions warrant (see Section 8). Isolate danger area, keep unauthorized personnel out. Contain spill if it can be done with minimal risk. Move undamaged containers out of danger area if it can be done with minimal risk. With water, cool equipment exposed to fire if it can be done with minimal risk.

Spill/Leakage Measures

Material may burn but will not ignite readily. Keep all sources of ignition away from spill/release. Stay upwind and away from spill. Isolate danger area and keep unauthorized personnel out. Contain spill if it can be done with minimal risk. Wear appropriate protective equipment, including respiratory protection, as warranted (see Section 8). Prevent spilled material from entering sewers, storm drains, other treatment drainage systems, and natural waterways. Notify fire authorities and appropriate agencies, and local agencies. Cleanup under expert supervision is advised. Minimize dust generation. Store and package appropriately for disposal.

Personal Protection

Wash thoroughly after handling. Do not wear contaminated clothing or shoes. Use good personal hygiene practices.

Containers retain residue (liquid and/or vapor) and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. Containers may explode and cause injury or death. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. Before working on or in tanks which have contained this material, refer to Occupational Safety and Health Administration Regulations, and other governmental and industrial references pertaining to cleaning, repairing, welding, and other templated operations.

Container(s) tightly closed. Use and store this material in cool, dry, well-ventilated areas away from all sources of ignition. Store only in approved containers. Keep away from any incompatible materials (see Section 10). Protect container(s) against physical damage.

ive Equipment (PPE).

Respiratory protection is required when working with the solid material. If airborne concentrations are expected, generated from molten wax, are expected, a NIOSH/MSHA approved air purifying respirator with a mist/fume filter may be used. Protection provided by air purifying respirators is limited (see the respirator selection guide). Use a positive-pressure-air-supplied respirator if there is an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection. A respiratory-protection program that meets CFR 1910.34 and ANSI Z88.2 requirements must be followed whenever workplace conditions require respirator's use.

Thermally-resistant gloves are required for solid material. The use of thermally-resistant gloves is recommended when handling molten wax.

Eye protection to safeguard against potential eye contact, irritation, or injury is recommended.

Equipment: A source of clean water should be available in the work area for flushing eyes. Impermeable clothing should be worn as needed.

Chemical Properties

Unless otherwise stated, values are determined at 20 Degrees C (68 Degrees F) and 760 mm Hg (1 atm).

Melting Point (°C): 200 (76.6)

Boiling Point (°C): No data

Flash Point (°C): No data

Autoignition (°C): No data

Color: White

Form: Solid

Odor: Slight - characteristic

Pressure (mm Hg): No data

Relative Density (air=1): No data

Temperature Range: 2 - 65 Deg. C

Reactivity: Negligible

Specific Gravity: Approximately 0.96

Stability: Negligible

Weight: Approximately 7 pounds per gallon

Reactivity

Stability: Stable under normal conditions of storage and handling.

Ignition: Avoid all possible sources of ignition (see Sections 5 and 7).

Incompatibility: Avoid contact with strong oxidizing agents.

Combustion Products: Combustion can yield major amounts of oxides of carbon and minor amounts of oxides of sulfur and nitrogen.

Polymerization: Will not occur.

discarded as produced, is not a RCRA "listed" or "characteristic" hazardous waste. Use which chemical or physical change or contamination may subject it to hazardous waste regulations. Along with characterizing all waste materials, consult state and local regulations regarding the proper disposal

Information

Division: Not classified as hazardous

Information

contains no chemicals subject to the reporting requirements of SARA 313 and 40 CFR 372:

contains the following chemicals which are known to the State of California to cause cancer, other reproductive harm, and are subject to the requirements of California Proposition 65 (Safety Code Section 25249.5)

---None Known---

has not been identified as a carcinogen by NTP, IARC, or OSHA

Reportable Quantity: - --None---

Information

October 10, 2012
April 2, 2009

Expressed and Implied Warranties

Information in this document is believed to be correct as of the date issued.

NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THIS INFORMATION, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO THIS PRODUCT.

Information and product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assume all liability therefor.


SAFETY DATA SHEET EA-1303 YELLOW IRON OXIDE
SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY
1.1 Product identifier

Trade Name Yellow Iron Oxide
 Chemical Name Ferric/Ferrous Oxide, Blended

1.2 Relevant identified uses of the substance or mixture

Yellow pigment for personal care applications

1.3 Details of the supplier of the safety data sheet

Manufacturer: Color Techniques, Inc.
 260 Ryan Street
 South Plainfield, NJ 07080 USA
 TELEPHONE: 908-412-9292
 EMAIL: mahmoudh@color-techniques.com
 FAX: 908-412-9339

1.4 Emergency telephone number

For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night
 Within USA and Canada: 1-800-424-9300 CCN203590
 Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

SECTION 2 POSSIBLE HAZARDS
2.1 Classification of the substance or mixture

Iron Oxides are not listed on Annex 1 to Directive 67/548 EEC on Classification and Labelling of Dangerous Substances and are not hazardous substances or mixtures according to Regulation (EC) No. 1272/2008.

GHS Classification:

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Pictogram No pictogram
 Signal Word No signal word.

Hazard statement(s)

H316 Causes mild skin irritation
 H320 Causes Eye irritation

Precautionary statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.2 Label elements

No special labeling required

2.3 Other Hazards

-

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS
3.1 Substances
3.2 Mixtures

INGREDIENT NAME	CAS NUMBER	EINECS	COLOUR INDEX	REACH
Iron Oxide Yellow, 97%	51274-00-1	257-098-5	77492	01-2119457554-33
Iron Oxide Red, 2%	1309-37-1	215-168-2	77499	01-2119457614-35
Iron Oxide Black, 1%	1317-61-9 or 12227-89-3	215-277-5	77499	01-2119457646-28

SECTION 4 FIRST AID MEASURES
4.1 Description of first aid measures

Eyes – flush eyes with plenty of water for at least 15 minutes. Consult a physician if irritation persists.

Skin – wash with soap and water.

Inhalation – remove to fresh air. If breathing is labored or stopped, give artificial respiration. Get immediate medical attention.

Ingestion – if swallowed, dilute with large amounts of water to induce vomiting. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

Acute – causes mechanical skin and eye irritation.

Chronic – prolonged inhalation of iron oxide dust is known to produce a condition known as siderosis. On X-rays it appears to be a benign pneumoconiosis and is not associated with pulmonary fibrosis or disability. Unless there is concurrent exposure to other fibrosis-producing materials such as silica. The tlv is set to protect against siderosis.

4.3 Indications of any immediate medical attention and special treatment needed

Eyes – may cause mechanical irritation

Skin – none

Inhalation – low health risk by inhalation. Treat as nuisance dust.

Oral ld50 – greater than 10 g/kg (rat)

SECTION 5 FIRE FIGHTING MEASURES**5.1 Extinguishing media**

Use extinguishing agent applicable to surrounding fire.

5.2 Special hazards arising from substance or mixture

No unusual fire or spill hazard. Low risk by inhalation.

Hazardous combustion products – none

5.3 Advice for firefighters

Fire fighters should wear NIOSH approved, positive pressure, self contained breathing apparatus and full protective clothing when appropriate.

SECTION 6 ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment to avoid inhalation of dust

6.2 Environmental precautions

Avoid washing into waterways or public water supply.

6.3 Methods and material for containment and cleaning up

Avoid dust formation. Vacuum, sweep, shovel or use wet clean up techniques and place waste material in closed container.

6.4 Reference to other sections

-

SECTION 7 HANDLING AND STORAGE**7.1 Precautions for safe handling**

Handling: good industrial hygiene practice requires that employee exposure be maintained below tlv. This is preferably achieved through the provision of adequate ventilation where necessary. Where dust cannot be controlled in this way, personal respiratory protection should be employed.

7.2 Conditions for safe storage, including any incompatibilities

Storage: store in a clean, dry area at ambient temperature in original unopened containers. Conditions of high humidity may require storage in a controlled environment.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control Parameters**

Exposure Limits:

OEL(Iron Oxide Fume): 5 mg/m³ (8 hour reference period), 10mg/m³(15 minute reference period)

ACGIH TLV: 5 mg/m³ (Iron Oxide Fume)

OSHA PEL: 10 ppm (Iron Oxide Fume As Fe)

8.2 Exposure controls

Engineering controls: use with adequate ventilation to meet exposure limits listed above.

Respiratory protection: NIOSH approved dust respirator if overexposure potential exists.

Skin protection: leather or rubber gloves.

Eye protection: safety glasses, goggles or face shield recommended.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Appearance: Yellow powder

Boiling point: not applicable

Vapor pressure: not applicable

Vapor density: not applicable

Solubility in water: insoluble

pH: not determined

Odor: none

Odor threshold: not applicable

Flash point: none

Flammable properties: non-flammable

Flammable limits: not applicable

Auto-ignition temperature: not applicable

9.2 Other information

-

SECTION 10 STABILITY AND REACTIVITY**10.1 Reactivity**

Conditions to avoid: none

10.2 Chemical Stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

None

10.4 Conditions to avoid

None

10.5 Incompatible materials

Iron oxides are not compatible with strong oxidizing agents

10.6 Hazardous decomposing products

None

SECTION 11 TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

There are no known dangerous acute effects associated with the use of this material. The acute oral toxicity LD_{50} oral (rat) for Fe_2O_3 is greater than 10 g/kg (rat).

This product is not considered to be a known or suspected carcinogen by NTP, IARC or OSHA.

SECTION 12 ECOLOGICAL INFORMATION**12.1 Toxicity**

No harmful effects known other than those associated with suspended inert solids in water.

12.2 Persistence and degradability

Methods for the determination of biodegradability are not applicable to inorganic substances

12.3 Bioaccumulative potential

The product is practically insoluble in water and not biodegradable

12.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

According to Annex xiii of Regulation (EC) 1907/2006 A PBT and vPvB assessment shall not be conducted for inorganic substances. This material is an inorganic substance, thus a PBT and vPvB assessment is not required.

12.6 Other adverse effects

-

SECTION 13 DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

No hazardous waste according to European Directive 2000/5322/EC. Reclaim and recycle material if possible, otherwise dispose according to local regulations

SECTION 14 TRANSPORTATION INFORMATION

	DOT (USA)	IMDG	IATA
14.1 UN number	Not dangerous goods	Not dangerous goods	Not dangerous goods
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No	No	No
14.6 Special precautions for user	Not classified as hazardous and not regulated		
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	-		

SECTION 15 REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Tsca status: components of this product are listed on the tsca inventory.
 Cercla reportable quantity: none
 Sara title iii
 Section 311/312 hazardous categories: none
 Section 313 toxic chemicals: none
 International regulations:
 Canadian DSL - components are listed.
 Canadian whmis – this material is not a controlled substance under whmis
 European community - listed on ecoin, the European core inventory
 Canadian whmis – this material is not a controlled substance under whmis
 European community - listed on ecoin, the European core inventory
 Canada (dsl): listed EC (einecs/elincs): listed
 Australia (AICS): listed Japan (ENCS): listed
 China (iecs): listed Korea (ECL): listed
 New Zealand (HASNO): not determined Philippine (PICCS): listed

SECTION 16 OTHER INFORMATION

NFPA Ratings:		HMIS Ratings:	
Health	0	Health	0
Flammability	0	Flammability	0
Reactivity	0	Reactivity	0
Personal Protection	E – Glasses, Gloves, Dust Resp.		

GHS Classification:

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Pictogram No pictogram

Signal Word No signal word.

Hazard statement(s)

H316 Causes mild skin irritation

H320 Causes Eye irritation

Precautionary statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

This data is prepared in accordance with European Community Directive 2001/58/EC, to the best of our knowledge with current data available.

SDS-800-22380Z

The information contained in this document has been gathered from reference materials and /or Color Techniques Inc. test data and is to the best knowledge and belief of Color Techniques Inc., accurate and reliable. Such information is offered solely for your consideration, investigation and verification. It is not suggested or guaranteed that the hazard precautions or procedures described are the only ones, which exist. Color Techniques Inc. makes no warranty, expressed or implied, with respect to the use of such information and assumes no responsibility therefore. Information on this safety data sheet is not intended to constitute a basis for product specification.

ISSUED: 9/13/05

REVISED: 6/07, 10/07, 6/08 (additions to Section XVI for EU compliance), 1/10(additions to Section XV regulatory), 1/13 (% added to Section III), 6/13 (SECTION I, expanded), SECTION VIII (added exposure controls and OEL), SECTION XVI (HMIS &NFPA rating added), 6/26/13 (Changes against last version: adaptation to directive 453/2010/EC, 9/15/2014 (GHS information added to Section 16).


SAFETY DATA SHEET E-3200 CHROMIUM OXIDE GREEN
SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY
1.1 Product identifier

Trade Name Chromium Oxide Green
 Chemical Name Chromium Oxide Green

1.2 Relevant identified uses of the substance or mixture

Green pigment for personal care applications

1.3 Details of the supplier of the safety data sheet

Manufacturer: Color Techniques, Inc.
 260 Ryan Street
 South Plainfield, NJ 07080 USA
 TELEPHONE: 908-412-9292
 EMAIL: mahmoudh@color-techniques.com
 FAX: 908-412-9339

1.4 Emergency telephone number

For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night
 Within USA and Canada: 1-800-424-9300 CCN203590
 Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

SECTION 2 POSSIBLE HAZARDS
2.1 Classification of the substance or mixture

Chromium Oxide Green is not listed on Annex 1 to Directive 67/548 EEC on Classification and Labelling of Dangerous Substances and are not hazardous substances or mixtures according to Regulation (EC) No. 1272/2008.

GHS Classification:

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Pictogram No pictogram
 Signal Word No signal word.

Hazard statement(s)

H316 Causes mild skin irritation
 H320 Causes Eye irritation

Precautionary statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.2 Label elements

No special labeling required

2.3 Other Hazards

-

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS
3.1 Substances

INGREDIENT NAME	CAS NUMBER	EINECS	COLOUR INDEX	REACH
Chromium Oxide, 100%	1308-38-9	215-160-9	77288	01-2119433951-39

3.2 Mixtures

-

SECTION 4 FIRST AID MEASURES
4.1 Description of first aid measures

Eyes – flush eyes with plenty of water for at least 15 minutes. Consult a physician if irritation persists.

Skin – wash with soap and water.

Inhalation – remove to fresh air. If breathing is labored or stopped, give artificial respiration. Get immediate medical attention.

Ingestion – if swallowed, dilute with large amounts of water to induce vomiting. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

Acute – causes mechanical skin and eye irritation.

4.3 Indications of any immediate medical attention and special treatment needed

Eyes – may cause mechanical irritation

Skin – none

Inhalation – low health risk by inhalation. Treat as nuisance dust.

SECTION 5 FIRE FIGHTING MEASURES
5.1 Extinguishing media

Use extinguishing agent applicable to surrounding fire.

SDS-800-2238OZ

5.2 Special hazards arising from substance or mixture

No unusual fire or spill hazard. Low risk by inhalation.
Hazardous combustion products – none

5.3 Advice for firefighters

Fire fighters should wear NIOSH approved, positive pressure, self contained breathing apparatus (SCBA) and full protective clothing when appropriate.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment to avoid inhalation of dust

6.2 Environmental precautions

Avoid washing into waterways or public water supply.

6.3 Methods and material for containment and cleaning up

Avoid dust formation. Vacuum, sweep, shovel or use wet clean up techniques and place waste material in closed container.

6.4 Reference to other sections

See Section 1 for emergency contact information, Section 8 for appropriate personal protection and Section 13 for additional waste treatment information.

SECTION 7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling: good industrial hygiene practice requires that employee exposure be maintained below tl_v. This is preferably achieved through the provision of adequate ventilation where necessary. Where dust cannot be controlled in this way, personal respiratory protection should be employed.

7.2 Conditions for safe storage, including any incompatibilities

Storage: store in a clean, dry area at ambient temperature in original unopened containers. Conditions of high humidity may require storage in a controlled environment.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Exposure Limits:

ACGIH TLV: TWA 0.5 mg/m³ Cr (III)

OSHA TWA: 0.5 mg/m³ Cr (III)

8.2 Exposure controls

Engineering controls: use with adequate ventilation to meet exposure limits listed above.

Respiratory protection: NIOSH approved dust respirator if overexposure potential exists.

Skin protection: leather or rubber gloves.

Eye protection: safety glasses, goggles or face shield recommended.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: green powder
Boiling point: 7232°F/2435°C
Melting point: 2435°C
Vapor pressure: not applicable
Vapor density: not applicable
pH: 6-9 for aqueous suspension
Odor: none
Odor threshold: not applicable
Flash point: not applicable
Flammable properties: non-flammable
Flammable limits: not applicable
Auto-ignition temperature: not applicable
Specific gravity: 4.5-5.5 g/cm³
Solubility: Insoluble
Chemical Formula: Cr₂O₃

9.2 Other information

-

SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity

Conditions to avoid: none

10.2 Chemical Stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

None

10.4 Conditions to avoid

None

10.5 Incompatible materials

Can react with molten alkali at very high temperatures under oxidizing conditions. May react with chlorine trifluoride, lithium, nitroalkanes, dibidium acetylide, oxygen difluoride, and other strong oxidizers.

10.6 Hazardous decomposing products

A small amount of reversion to hexavalent chromium may occur if this product is exposed to elevated temperatures.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

SDS-800-2238OZ

There are no known dangerous acute effects associated with the use of this material. The acute oral toxicity LD₅₀ oral (rat) >5000 mg/kg (rat).
LC50/inhalation <5.41 mg/l 4h (rat)

This product is not considered to be a known or suspected carcinogen by NTP, IARC or OSHA.

SECTION 12 ECOLOGICAL INFORMATION

12.1 Toxicity

No harmful effects known other than those associated with suspended inert solids in water.

12.2 Persistence and degradability

Methods for the determination of biodegradability are not applicable to inorganic substances

12.3 Bioaccumulative potential

The product is practically insoluble in water and not biodegradable

12.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

According to Annex xiii of Regulation (EC) 1907/2006 A PBT and vPvB assessment shall not be conducted for inorganic substances. This material is an inorganic substance, thus a PBT and vPvB assessment is not required.

12.6 Other adverse effects

No none significant effects or critical hazards.

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

No hazardous waste according to European Directive 2000/5322/EC. Reclaim and recycle material if possible, otherwise dispose according to local regulations. As sold, this product is not classified as a RCRA hazardous waste as defined by 40CFR261. It is the responsibility of the user to determine RCRA classification of any product containing this chromium oxide.

SECTION 14 TRANSPORTATION INFORMATION

	DOT (USA)	IMDG	IATA
14.1 UN number	Not dangerous goods	Not dangerous goods	Not dangerous goods
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No	No	No
14.6 Special precautions for user	Not classified as hazardous and not regulated		
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	-		

SECTION 15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

OSHA HAZARD COMMUNICATION RULE, 29 CFR 1910.1200 under this rule chromic oxide is hazardous.
SARA HAZARD CATEGORY: This product has been reviewed according to the EPA Hazard Categories promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: Immediate Health Hazard, Delayed Health Hazard
SARA 313 Information: Chromium hydrate is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 under the broad class of chromium compounds.
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT, 40 CFR PART 117, PART 304: This product is not listed as a hazardous substance. However, chromium is a CERCLA hazardous substance included under the broad category of chromium compounds. No reportable quantity (RQ) of has been listed for this broad class of compounds.
CLEAN AIR ACT (CAA): chromium is designated as a hazardous air pollutant under Section 112 of the CAA.
RESOURCE CONSERVATION AND RECOVERY (RCRA) ACT 40 CFR 261 SUBPART C: If this product becomes a waste, it may or may not be characterized as a hazardous waste (D0007) following testing as prescribed by the RCRA regulations.
CALIFORNIA PROPOSITION 65: This product is not listed. However hexavalent chromium is listed. This product may small amounts of hexavalent chromium.

International Inventories:

USA (TSCA)	In Compliance
EU (EINECS)	In Compliance
Canada (DSL)	In Compliance
Canada (NDSL)	Not Applicable
Japan (ENCS)	In Compliance
Philippines (PICCS)	In Compliance
Korea (KECL)	In Compliance
China (IECSC)	In Compliance
Australia (AICS)	In Compliance
New Zealand (NZIoC)	In Compliance
Taiwan (NECSI)	In Compliance

SECTION 16 OTHER INFORMATION

NFPA Ratings:		HMIS Ratings:	
Health	0	Health	1
Flammability	0	Flammability	0
Reactivity	0	Reactivity	0

SDS-800-2238OZ

Personal Protection E – Glasses, Gloves, Dust Resp.

GHS Classification:

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Pictogram No pictogram

Signal Word No signal word.

Hazard statement(s)

H316 Causes mild skin irritation

H320 Causes Eye irritation

Precautionary statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

This data is prepared in accordance with European Community Directive 2001/58/EC, to the best of our knowledge with current data available. The information contained in this document has been gathered from reference materials and /or Color Techniques Inc. test data and is to the best knowledge and belief of Color Techniques Inc., accurate and reliable. Such information is offered solely for your consideration, investigation and verification. It is not suggested or guaranteed that the hazard precautions or procedures described are the only ones, which exist. Color Techniques Inc. makes no warranty, expressed or implied, with respect to the use of such information and assumes no responsibility therefore. Information on this safety data sheet is not intended to constitute a basis for product specification.

ISSUED: 9/13/05

REVISED: 6/07, 10/07, 6/08 (additions to Section XVI for EU compliance), 1/10(additions to Section XV regulatory), 1/13 (% added to Section III), 6/13 (SECTION I, expanded), SECTION VIII (added exposure controls and OEL), SECTION XVI (HMIS &NFPA rating added), 6/26/13 (Changes against last version: adaptation to directive 453/2010/EC, 9/15/2014 (GHS information added to Section 2,16), 10/16/2014 (Regulation EC No. 1272/2008 added to Section 2), 1/15 (Section 3(REACH registration numbers added), 6/18/15 (H335 removed from Section 2,16).

END OF SDS



SAFETY DATA SHEET

1. Identification**Product Name:** Beeswax**Synonyms:** Beeswax**Product Use:** Pharmaceutical/Cosmetic/Personal Care**Manufacturer/Supplier:**Strahl & Pitsch, Inc
230 Great East Neck Rd
West Babylon, NY 11704
631-587-9000**2. Hazards Identification****GHS Classification:**

Health	Environmental	Physical
N/A	N/A	N/A

GHS Label:

Symbols: not applicable	
Hazard Statements None	Precautionary Statements Contact with molten wax may cause thermal burns

3. Composition / Information on Ingredients

Chemical Name	Common Name
Not applicable	Beeswax
CAS Number	Weight %
8012-89-3(white)	100
8006-40-4 (yellow)	100

Impurities/Additives

None

(See Section 8 for Exposure Limits)**4. First Aid Measures****Eye:** Eye irritation. Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get immediate medical attention.**Skin:** For contact with molten material, leave material on skin and flush or immerse affected area(s), using cold water. Seek Medical Attention.



4. **First Aid Measures (cont.)**

Inhalation: If respiratory symptoms develop from exposure to fumes emitted by the molten material, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

Ingestion: Solid material is not acutely toxic; however, if molten material is swallowed, seek immediate medical attention.

5. **Fire Fighting Measures**

Suitable Extinguishing Media: Dry chemical, foam, sand, water fog is recommended.

Unusual Fire and Explosion Hazards: This material may burn, but will not ignite readily.

Combustion Products: N/A

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.

Health: 0

Flammability: 1

Reactivity: 0

6: **Accidental Release Measures:**

This material may burn but will not ignite readily.

Isolate danger area and keep unauthorized personnel out.

Contain spill if it can be done with minimal risk. Wear appropriate protective equipment.

Prevent spilled material from entering sewers, storm drains, other unauthorized treatment drainage systems, and natural waterways.

Cleanup molten wax under supervision is advised.



7. Handling and Storage

Handling

Wash thoroughly after handling. Do not wear contaminated clothing or shoes. Use good personal hygiene practice.

Storage

Store in tightly closed containers in cool, dry, well-ventilated area away from heat, sources of ignition and incompatibles such as strong oxidizers.

Store at ambient or lower temperature.

Store out of direct sunlight.

Keep containers tightly closed and upright when not in use. Protect against physical damage.

8. Exposure Controls / Personal Protection

Exposure Limits NONE

Personal Protective Equipment (PPE)

Eye Protection: When handling in molten form, proper eye shields are worn to prevent injury

Skin Protection: When handling in molten form, proper resistant clothing, gloves, and shoes must be worn.

Respiratory Protection: No special precautions for normal use

9. Physical and Chemical Properties

Appearance: White or Yellow solid at room temperature

Upper Flammability Limit: N/A

Lower Flammability Limit: N/A

Vapor Pressure: N/A

Odor Threshold: N/A

Vapor Density: N/A

pH: N/A

Specific Gravity: 0.96g/ml @ 20°C

Melting Point: 62 - 65°C

Solubility: Insoluble in water. Soluble in organic solvents when warmed

Boiling Point: N/A

Flashpoint: 400°C

Flammability: Not flammable

Partition coefficient: Not determined

Auto ignition Temperature: N/A

Decomposition temperature: N/A

Viscosity: 8 - 12 cSt @ 100C



10. Stability and Reactivity

Reactivity: This material is stable and unlikely to react in a hazardous manner under normal conditions of use.

Chemical Stability: Stable under normal conditions. Avoid strong oxidizing agents.

Hazardous Reactions: Avoid strong oxidizing agents.

Decomposition Products: Thermal decomposition can produce a variety of products which may include oxides of carbon and nitrogen.

11. Toxicological Information

Signs and Symptoms of Overexposure: Nasal and throat irritation.

Acute Effects:

Eye Contact: Not expected to be an eye irritant

Skin Contact: No harmful effects from skin adsorption.

Inhalation: Vapors emitted from molten wax are expected to have slight degree of irritation

Ingestion: No harmful effects are expected.

Acute Toxicity Values

CIR Review of Natural Waxes published in 2005.

FDA: GRAS (Generally Recognized As Safe)

Title 21 CFR 184.1973

12. Ecological Information

Bioaccumulation is not expected. This product is readily biodegradable.

13. Disposal Considerations

Recover if possible complying with the local and national regulations currently in force.

14. Transport Information

U.S. Department of Transportation (DOT)

Proper Shipping Name: N/A

Hazard Class: N/A

UN/NA Number: Not Classified as dangerous in the meaning of transport regulations

Packing Group: N/A

International Maritime Organization (IMDG)

Not a marine pollutant



15. Regulatory Information

U.S. Federal Regulations

Toxic Substances Control Act (TSCA): All components of this product are included on the TSCA inventory.

Clean Water Act (CWA): Not hazardous.

Clean Air Act (CAA): Not Hazardous

Superfund Amendments and Reauthorization Act (SARA) Title III Information:

This product contains no toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372)

State Regulations:

California: This product contains no chemicals(s) known to the State of California to cause cancer, birth defects or reproductive harm.

International Regulations:

Canadian Environmental Protection Act: All of the components of this product are included on the Canadian Domestic Substances list (DSL).

Canadian Workplace Hazardous Materials Information System (WHMIS):

This product has not been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

European Inventory of Existing Chemicals (EINECS): All of the components of this product are included on EINECS.

EU Classification: None

EU Risk (R) and Safety (S) Phrases: None

16. Other Information:

This SDS applies to Strahl & Pitsch Item Codes attached to the end of this document

Revision: New SDS May 26, 2015

Disclaimer: The information contained herein is accurate to the best of our knowledge. My Company makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.

STRAHL & PITSCH INC.230 Great East Neck Road
West Babylon, NY 11704

Yellow Beeswax, N.F.	DR-100
Yellow Beeswax Cakes	DR-100 CAKES
Yellow Beeswax, N.F.	DR-100F
Yellow Beeswax, NF - Prills	DR-100P
White Beeswax, N.F. Slabs	DR-101
WHITE BEESWAX, NF CAKES	DR-101 CAKES
Extra White Beeswax Cakes, NF	DR-101 XWC
Extra White Beeswax Slabs	DR-101 XWS
White Beeswax, NF	DR-101A
WHITE BEESWAX NF	DR-101CA
White Beeswax, NF Prills	DR-101P
White Beeswax	DR-104
WHITE BEESWAX	DR-104R
Yellow Beeswax Slabs	DR-104Y
White Synthetic Beeswax	DR-201
White Synthetic Beeswax	DR-247
YELLOW BEESWAX	DR-266
White Beeswax	DR-275W
Yellow Beeswax	DR-275Y
Yellow Beeswax	EM-103
White Beeswax - Cakes	EM-103 W
WHITE BEESWAX - SLABS	EM-103 W SLABS
Yellow Beeswax - Cakes	EM-103Y CAKES
WHITE BEESWAX SLABS	EM-104
COMMERCIAL YELLOW BEESWAX	EM-105
Yellow Beeswax Cakes	EM-105 CAKES
YELLOW BEESWAX SUBSTITUTE	EM-165B
WHITE BEESWAX SUBSTITUTE	EM-204
White Synthetic Beeswax	EM-28
Yellow Synthetic Beeswax	EM-28Y
YELLOW BEESWAX	SP-11
YELLOW BEESWAX PASTILLES	SP-11P
WHITE BEESWAX	SP-132
White Beeswax Pastilles	SP-132P
White Beeswax	SP-139WP
YELLOW BEESWAX	SP-139Y
YELLOW BEESWAX PASTILLES	SP-139Y P
YELLOW BEESWAX CAKES	SP-139Y-CAKES
White Beeswax	SP-412
YELLOW BEESWAX	SP-420
YELLOW BEESWAX CAKES	SP-420-CAKES
YELLOW BEESWAX KOSHER	SP-420K



YELLOW BEESWAX PASTILLES, N.F.	SP-420P
YELLOW BEESWAX NF PASTILLES	SP-420P NF
YELLOW BEESWAX PASTILLES KOSHER	SP-420P-K
WHITE BEESWAX, N.F.	SP-422
WHITE BEESWAX NF	SP-422 NF
WHITE BEESWAX, NF CAKES	SP-422-CAKES
WHITE BEESWAX KOSHER	SP-422-K
WHITE BEESWAX PASTILLES N.F.	SP-422P
WHITE BEESWAX PASTILLES KOSHER N.F.	SP-422P-K
WHITE BEESWAX	SP-424
WHITE BEESWAX PASTILLES, N.F.	SP-424P
WHITE BEESWAX PAST. N.F. - KOSHER	SP-424PK
White Beeswax	SP-425
White Beeswax Pastilles	SP-425P
Yellow Beeswax	SP-425Y
Yellow Beeswax Pound Cakes	SP-425Y CAKES
Yellow Beeswax Pastilles	SP-425YP
WHITE BEESWAX	SP-426
WHITE BEESWAX PASTILLES	SP-426P
WHITE BEESWAX	SP-44
WHITE BEESWAX PASTILLES	SP-44P
YELLOW BEESWAX	SP-45
WHITE BEESWAX	SP-450A
WHITE BEESWAX PASTILLES	SP-452P
WHITE BEESWAX	SP-453
WHITE BEESWAX PASTILLES	SP-453P
YELLOW BEESWAX IN CAKES	SP-45-CAKES
YELLOW BEESWAX PASTILLES	SP-45P
WHITE BEESWAX	SP-52
REFINED YELLOW BEESWAX	SP-6
White Beeswax, NF pesticide free	SP-66PW
Yellow Beeswax NF, Pesticide Free	SP-66PY
YELLOW BEESWAX NF CAKES	SP-6-CAKES
Yellow Beeswax NF Granules	SP-6G
YELLOW BEESWAX PASTILLES, N.F.	SP-6P

SAFETY DATA SHEET



Snow White Pet USP

14.17.890, 4519, 4522, 0028

Section 1. Identification

GHS product identifier : Snow White Pet USP
Product code : PEN1720-00-C
Chemical name : Petrolatum
Other means of identification : Petroleum jelly; Mineral grease (petrolatum); RED PETROLATUM; Petrolatum.
Product type : Solid.

Relevant identified uses of the substance or mixture and uses advised against

Identified uses	
Petrochemical industry: Petroleum refining. Petrolatum.	
Uses advised against	Reason
Not available.	

Supplier's details : Calumet Specialty Products Partners, L.P.
2780 Waterfront Pkwy E. Dr.
Suite 200
Indianapolis, Indiana 46214 USA
Technical Services: 317-328-5660

Emergency telephone number (with hours of operation) : 24 hr. CHEMTREC 1-800-424-9300 / International 1-703-527-3887

Section 2. Hazards identification

OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture : Not classified.

GHS label elements

Signal word : No signal word.
Hazard statements : No known significant effects or critical hazards.

Precautionary statements

Prevention : Not applicable.
Response : Not applicable.
Storage : Not applicable.
Disposal : Not applicable.

Hazards not otherwise classified : None known.

Section 3. Composition/information on ingredients

Substance/mixture	: Substance
Chemical name	: Petrolatum
Other means of identification	: Petroleum jelly; Mineral grease (petrolatum); RED PETROLATUM; Petrolatum.

CAS number/other identifiers

CAS number : 8009-03-8

Ingredient name	%	CAS number
Petrolatum	100	8009-03-8

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: No specific treatment.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : Do not use water jet.

Specific hazards arising from the chemical : No specific fire or explosion hazard.

Hazardous thermal decomposition products : No specific data.

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Large spill : Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

None.

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

Appearance

- Physical state** : Solid. [Waxy solid.]
- Color** : Colorless. White.
- Odor** : Hydrocarbon.
- Odor threshold** : Not available.
- pH** : Not available.
- Melting point** : 55.2°C (131.4°F)
- Boiling point** : 359 to 732°C (678.2 to 1349.6°F)
- Flash point** : Closed cup: 259 to 277°C (498.2 to 530.6°F)
Open cup: >200°C (>392°F) [Cleveland.]
- Evaporation rate** : Not available.
- Flammability (solid, gas)** : Not available.
- Lower and upper explosive (flammable) limits** : Not available.
- Vapor pressure** : <0.0013 kPa (<0.01 mm Hg) [room temperature]

Section 9. Physical and chemical properties

Vapor density	: Not available.
Relative density	: 0.844
Solubility	: Insoluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: 6
Auto-ignition temperature	: >290°C (>554°F)
Decomposition temperature	: Not available.
Viscosity	: Kinematic (40°C (104°F)): >0.25 cm ² /s (>25 cSt)

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Petrolatum	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-

Irritation/Corrosion

Not available.

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Conclusion/Summary : The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Section 11. Toxicological information

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.
Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : No known significant effects or critical hazards.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Petrolatum	Acute EC50 >100 mg/l	Algae	72 hours
	Acute EC50 >100 mg/l	Daphnia	48 hours
	Acute LC50 >100 mg/l	Fish	96 hours

Persistence and degradability

Not available.

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Petrolatum	6	-	high

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

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

RCRA classification : Not Regulated

Section 14. Transport information

	DOT Classification	TDG Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.