



SAFETY DATA SHEET HITOX® STD, ULX, AND SF

Buff /
Blonde
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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name HITOX® STD, ULX, and SF
Grades STD, ULX, and SF

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

Identified uses Pigment, used in paints and plastics.
Uses Advised Against Any use other than those identified.

1.3. Details of the supplier of the safety data sheet

Supplier: TOR Minerals International, Inc.
722 Burleson St.
Corpus Christi, Texas 78402
Tel +1-361-883-5591 Fax: +1-361-883-7616
sales@torminerals.com

1.4. Emergency telephone number

TOR Minerals International Inc. +1-361-883-5591

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards Not classified.
Human health Not classified.
Environment Not classified.
Classification (67/548/EEC) Not classified.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Human health: Dust may irritate the eyes and respiratory system.
Environment: The product is not expected to be hazardous to the environment.

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008

No pictogram required.

Precautionary Statements

P261 Avoid breathing dust.
P273 Avoid release to the environment.
P314 Get medical advice/attention if you feel unwell.
P391 Collect spillage.
P501A Dispose of contents/container in accordance with local authority requirements.

2.3. Other hazards

None.

HITOX® STD, ULX, AND SF

SECTION 3: COMPOSITION/INFORMATION INGREDIENTS

3.1. Mixtures

Rutile titanium dioxide	>94%
CAS-No.: 1317-80-2	EC No: 215-282-2
Classification (EC 1272/2008)	Classification (67/548/EEC)
Not classified.	Not classified.
Amorphous silica	1.25%
CAS-No.: 7631-86-9	EC No: 231-545-4
Classification (EC 1272/2008)	Classification (67/548/EEC)
Not classified.	Not classified.
Ferric oxide	1.9%
CAS-No.: 1309-37-1	EC No: 215-168-2
Classification (EC 1272/2008)	Classification (67/548/EEC)
Not classified.	Not classified.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion

Rinse mouth thoroughly and give plenty of water to drink. Seek medical advice if necessary.

Skin Contact

Clean by mechanical dry removal. Subsequently rinse with water.

Eye Contact

Immediately flush with plenty of water or eyewash solution for up to 10 minutes. Contact physician if irritation persists.

4.2. Most important symptoms and effects, both acute and delayed

None.

4.3. Indication of any immediate medical attention and special treatment needed

None

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing Media

The product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards

None known.

Specific Hazards

Take precautionary measures against static discharges.

HITOX® STD, ULX, AND SF

5.3. Advice for firefighters

Protective equipment for firefighters

Wear self-contained breathing apparatus and full protective clothing. Keep all unnecessary people away. Fire water run-off must not be allowed to contaminate ground or enter drains, sewers, or water courses. Provide bunding against fire water run-off.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing (see Section 8). Avoid inhalation of dust.

6.2. Environmental precautions

No special environmental precautions required.

6.3. Methods and material for containment and cleaning up

Take up mechanically. Dispose of absorbed material in accordance within local regulations.

6.4. Reference to other sections

For waste disposal, see section 13..

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advise on safe handling

Avoid inhalation of dust and contact with skin and eyes.

Advise on fire and explosion protection

Not applicable.

7.2. Conditions for safe storage, including any incompatibilities

Dry storage at moderate temperatures

7.3. Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

See product information

8.1. Control parameters

Name	STD	TWA – 8 Hrs		STEL – 15 Min		Notes
Ferric oxide	WEL		5 mg/m ³		10 mg/m ³	As Fe
Amorphous silica	WEL		2.4 mg/m ³			
Rutile titanium dioxide	WEL		10 mg/m ³			

WEL = Workplace Exposure Limit

Ingredient Comments

WEL = Workplace Exposure Limits COSHH – see note section 16.

8.2. Exposure controls

Technical

Avoid dust formation.

Engineering Measures

Provide adequate general and local exhaust ventilation.

Respiratory equipment

If ventilation is insufficient, suitable respiratory equipment must be provided.

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Hand protection

Wear suitable protective gloves conforming to EN 374.

Eye protection

Wear approved safety goggles.

Other Protection

Provide eyewash station and safety shower.

Hygiene measures

When using do not eat, drink, or smoke.

Environmental

No special exposure controls require

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Powder, dust.
Colour	Beige.
Odour	Odourless
Solubility	Insoluble in water.
Initial Boiling Point and Boiling Range:	2500 – 3000°C.
Melting Point (°C)	1840°C.
Relative Density	4.1
Ph-Value, Diluted Solution	6.5 – 7.5 @ 10% slurry in water.

9.2. Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

None.

10.2. Chemical stability

Stable under normal conditions of storage and use. See section 7.

10.3. Possibility of hazardous reactions

Hazardous Polymerisation

Will not polymerise.

10.4. Conditions to avoid

Not known.

10.5. Incompatible materials

Materials to Avoid

None known.

10.6. Hazardous decomposition products

No hazardous decomposition products.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information

Health effects of this preparation as supplied have not been fully determined. The information below should be regarded as precautionary.

HITOX® STD, ULX, AND SF

Inhalation

Dust may irritate respiratory system or lungs. Pre-existing respiratory conditions may be aggravated by inhalation of dust.

Ingestion

May cause discomfort if swallowed.

Skin contact

Powder may irritate skin. Not a skin sensitizer.

Eye contact

Particles in the eyes may cause irritation.

Carcinogenicity

In lifetime inhalation studies of rats, respirable size titanium dioxide (TiO₂) particles were shown to cause an increase in lung tumors at an exposure level that caused lung overload and inflammation. Tests with other animals indicate that rats respond more severely than other rodents. These tumors were found to only occur in overload conditions, were unique to the rat and were found to have little or no relevance to humans. In 2006, the IARC has characterized TiO₂ as a possible carcinogen to humans (Group 2B) through inhalation (not ingestion). The NTP and OSHA have not characterized TiO₂ as a carcinogen.

Occupational exposure to TiO₂ based on epidemiology studies does not indicate an increased risk of cancer in humans.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.1. Toxicity

Oral

Rat

No Toxicological effects found.

12.2. Persistence and degradability

Degradability

The product solely consists of inorganic compounds which are not biodegradable. The remaining substances of the product are expected to be not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative Potential

Bioaccumulative is unlikely to be significant because of the lower water solubility of this product.

12.4. Mobility in soil

Mobility

The product contains substances which are insoluble in water and which sediment in water systems.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

None.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSFORMATION INFORMATION

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

HITOX® STD, ULX, AND SF

14.1. UN number

Not applicable.

14.2 UN Proper shipping name

Not applicable.

14.3 Transport hazard class(es)

None

14.4. Packing group

Not applicable.

14.5. Environmental hazards

None.

14.6. Special precautions for user

See section 6 and 8

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No hazardous goods

SECTION 15: REGULATORY INFORMATION

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

EINECS (EU) Status	: On the inventory, or in compliance with the inventory
AICS (AU) Status	: On the inventory, or in compliance with the inventory
DSL (CA) Status	: On the inventory, or in compliance with the inventory
ENCS (JP) Status	: On the inventory, or in compliance with the inventory
KECI (KR) Status	: On the inventory, or in compliance with the inventory
PICCS (PH) Status	: On the inventory, or in compliance with the inventory
IECSC (CN) Status	: On the inventory, or in compliance with the inventory
ISHL (JP) Status	: On the inventory, or in compliance with the inventory
NZIOC Status	: On the inventory, or in compliance with the inventory
HSNO (NZ) Status	: On the inventory, or in compliance with the inventory
TSCA Status	: On the inventory, or in compliance with the inventory

15.2. Chemical Safety Assessment

A chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

None.

Disclaimer

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No statements herein are to be construed as inducement to infringe any relevant patent. Under no circumstances shall seller be liable for incidental, consequential or indirect damages for alleged negligence breach of warranty, strict liability, tort or contract arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be the Buyer's purchase price. Data and results are based on lab work and must be confirmed by testing for its intended conditions of use.

All data and recommendations as well as formulations made herein are based on our present state of knowledge. We disclaim all liability on risks or formulae that may result from the use of our products, including improper or illicit use.

TOR Minerals International, Inc. · 722 Burleson St. · Corpus Christi, Texas 78402 · USA · Tel +1-361-883-5591 · www.torminerals.com

Blue

Bulk

APOTHECARY

Safety Data Sheet

Matte Cobalt Blue Oxide Pigment Powder

SECTION 1: Identification

1.1 Product identifier

Product name	Matte Cobalt Blue Oxide Pigment Powder
Product number	B-085-color-13
Brand	Bulk Apothecary

1.4 Supplier's details

Name	Bulk Apothecary
Address	115 Lena Dr Aurora OH 44202 United States
Telephone	1-888-728-7612
email	sales@bulkapothecary.com

1.5 Emergency phone number(s)

Domestic: 1-800-633-8253 International: 801-629-0667

SECTION 2: Hazard identification

General hazard statement

Not a hazardous substance or mixture.

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

Not a hazardous substance or mixture.

2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Other hazards which do not result in classification

Not a hazardous substance or mixture.

SECTION 3: Composition/information on ingredients

Safety Data Sheet

Matte Cobalt Blue Oxide Pigment Powder

3.2 Mixtures

Hazardous components

1. Iron (III) oxide

Concentration	100 % (weight)
CAS no.	1309-37-1

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

If inhaled	Remove to fresh air immediately. Contact physician if necessary.
In case of skin contact	Removed contaminated clothing and wash with soap and water.
In case of eye contact	Flush immediately with copious amounts of water. Contact physician if necessary.
If swallowed	Drink plenty of water and consult a physician.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Carbon dioxide, dry chemical or foam recommended

5.3 Special protective actions for fire-fighters

Fire personnel should wear Self-contained breathing apparatus (SCBA) and full protective clothing

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Safety glasses with side shields or goggles and rubber gloves. Provide adequate general mechanical exhaust.

6.2 Environmental precautions

Prevent material from contaminating soil or entering sewerage and drainage systems.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Store in a cool, dry place. Keep away from excessive heat. Use in a well ventilated area. Wash hands after use.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in ambient location.

SECTION 8: Exposure controls/personal protection

Safety Data Sheet

Matte Cobalt Blue Oxide Pigment Powder

8.1 Control parameters

1. Iron oxide (CAS: 1309-37-1)

PEL (Inhalation): 10 (fume) mg/m³ (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m³ (fume) (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 5 mg/m³ (dust and fume) (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Safety glasses with side shields or goggles

Skin protection

Wear rubber gloves. Wash hands after use

Body protection

Use NIOSH/MSHA approved air-purifying respirator to control exposure

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)

Free Flowing Powder

Odor

Odorless

Odor threshold

pH

Melting point/freezing point

Initial boiling point and boiling range

Flash point

Evaporation rate

Flammability (solid, gas)

Upper/lower flammability limits

Vapor pressure

Vapor density

Relative density

Solubility(ies)

Partition coefficient: n-octanol/water

Auto-ignition temperature

Decomposition temperature

Viscosity

Explosive properties

Oxidizing properties

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable

10.2 Chemical stability

Safety Data Sheet

Matte Cobalt Blue Oxide Pigment Powder

Stable

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

No data

SECTION 12: Ecological information

Toxicity

No data

SECTION 13: Disposal considerations

Disposal of the product

Dispose of in accordance with all applicable federal, state and local regulations. Material may be sent to an approved landfill or licensed treatment, storage and disposal facility.

SECTION 14: Transport information

DOT (US)

Not regulated

IMDG

Not regulated

IATA

Not regulated

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

New Jersey Right To Know Components

Common name: IRON OXIDE

CAS number: 1309-37-1

Pennsylvania Right To Know Components

Chemical name: Iron oxide

CAS number: 1309-37-1

HMIS Rating

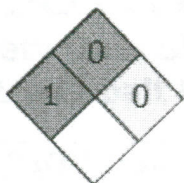
Matte Cobalt Blue Oxide Pigment Powder	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

Safety Data Sheet

Matte Cobalt Blue Oxide Pigment Powder

PERSONAL PROTECTION

NFPA Rating



SECTION 16: Other information

16.1 Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Bulk Apothecary be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Bulk Apothecary has been advised of the possibility of such damages.

DESCRIPTION**SAFETY****ADDITIONAL****TAGS**

Lamp black (also

spelled *lampblack*) is a type of

carbon black obtained from the soot of burned fat, oil, tar, or resin. Lamp black is a soft brownish- or bluish-black pigment that is very stable and unaffected by light, acids and alkalis. Our lamp black is of high purity made in modern oil furnaces. Due to the particle size, when applied full strength a brownish undertone is generated, while in mixed with white in gray tints, a more bluish undertone appears.

Pigment Names

Common Names: **English:** lamp black
Finnish: lampumusta
French: noir de fumée
German: Lampenschwarz
Italian: nero di lampa
Japanese: 油煙
Portuguese: preto de lâmpada
Russian: черной лампы
Spanish: negro de humo

Alternate Names: **English:** blacking, blue black, carbon black, flame black, lampblack, oil black, smoke black, soot black, vegetable black
French: noir de bougie, noir de houille, noir de lampe
German: Flamruss, Russ
Italian: bistro, nero fiamma

Nomenclature:	Common Name	Primary Mineral	Source
	Lampblack	None	United States

Pigment Information**Color:** Black**Pigment Classification:** Synthetic Inorganic**Colour Index:** Pigment Black 6 (77266)**Chemical Name:** Amorphous Carbon**Chemical Formula:** C**CAS No.:** 1333-86-4**ASTM Lightfastness****Acrylic:** I**Oil:** I**Watercolor:** I**Physical Properties****Oil Absorption:** 117 g oil/100 g pigment

Particle Size (Average): 95 nm

BET Surface Area: 20 m²/g

Density (at 20° C.): 1.77 g/cm³

Bulk Density: 100–120 kg/m³

Hardness: –

Refractive Index: 2.42

pH: 7.5

Volatiles: 1%

Health and Safety

There are no acute or *known* chronic health hazards associated with the anticipated use of this product (most chemicals are not fully tested for chronic toxicity). Always protect yourself against potentially unknown chronic hazards of this and other chemical products by keeping them out of your body. Do this by avoiding ingestion, excessive skin contact, and inhalation of spraying mists, sanding dusts and vapors from heating. Conforms to ASTM D-4236.

For a detailed explanation of the terms in the table above, please visit **Composition and Permanence**.

Origin and History

Lamp black has been in use since prehistoric times, and is probably the oldest pigment known to mankind. For use as a watercolor, lamp black was mixed with glue, prepared in sticks and sold as India ink. Lamp black was one of the major black pigment in early American house paints (Newman and Farrell, 1994). Currently lampblack is used as a black pigment in cements, ceramics, printing inks, crayons, shoe polishes, and paper.

Source

Lamp black, a deep black pigment consisting of amorphous carbon in a very fine state of division, is obtained by the imperfect combustion of highly carbonaceous substances. When resins, resinous woods, fatty oils and fats, paraffin and paraffin oil, or coal-tar oils, are burnt with an insufficient supply of air, a considerable part of the carbon they contain may be deposited in the form of soot. This soot is not, however, pure carbon, but retains variable proportions of the tarry products of imperfect combustion; these tarry products impart to lamp black a more or less pronounced warm brownish hue, except in the cases in which it has been prepared by processes specially designed to remove the tarry products. Today, lamp black is procured by the imperfect combustion of oils obtained in coal-tar distillation. A fine, light, fluffy powder is derived by collecting the soot from the burning oil. It is the most familiar of the pure carbon black group of pigments.

The selection of pigment blacks for industrial applications is mostly done by color criteria, with the primary particle size playing the most significant role. Selecting a fine grade of particle size is important

for these reasons: the finer the particles of pigment black, the deeper the color; the better the stabilization of the pigment to binder, the more bluish the undertone will appear to be. The primary particle size of our lamp black is in the 90–120 nm range.

Permanence and Compatibility

Lamp black is a permanent color for all uses on the artist's palette. It is compatible with all other pigments, and can be used with good results in all mediums. However, it is not generally recommended for use in oils, because carbon is an anti-oxidant that greatly slows the drying time of oil paint.

Oil Absorption and Grinding

Lamp black absorbs a very high amount of oil. The oil absorption ratio is 117 grams of linseed oil to grind 100 grams of pigment to form a stiff paste. It makes a very slow drying oil paint, and forms a soft, brittle film. Due to its slow drying rate, it should not be used for underpainting unless mixed with driers, siccative pigments, such as umber or pyrolusite.

Toxicity

Lamp black is not considered hazardous, however care should be used in handling the dry powder pigment to avoid inhaling the dust.

For more information on how to handle pigments safely, please visit [How to Safely Handle Art Materials and Pigments](#).



FICHE DE DONNEES DE SECURITE

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SAFETY DATA SHEET

(According to 91/155/EEC – Revision REACH 01/07/08 – date emission 2/08/2004)

1- Commercial Product name:

T. OMBRA CIPRO BRUC. C (TR/0272)

Company/ distribution:

Ste des ocres de France

Impasse des Ociers

84400 – APT – France

Telephone number for urgent call:

Tel.: 00.33 (0)490.746.382

e-mail:

info-distribution@ocres-de-france.com

2- Hazard identification

Not necessary.

3- Composition / Chemical characterisation

Milled and purified burnt (400°) umber earth of Cyprus.

C.I. : Pigment brown 7

CAS number 12713-03-0

4- First aid measures:

Inhalation:

If inhaled, move to fresh air

Eyes:

Flush eye with flowing water

Skin:

Wash affected skin with soap and water

Ingestion:

If swallowed, dilute with water and induce vomiting.

5- Fire fighting measures:

This product is not flammable, it doesn't produce toxic effect.

Unusual fire and explosion hazards: none

6- Accidental release measures:

Personal precautions:

clean up with the appropriate personal equipment

Environmental precautions:

The product is not dangerous for the nature

7- Handling and storage:

A moderately dry, well-ventilated area is considered suitable for handling and storage.

Usual precautions for nuisance dust should be observed.

Steps to be taken in case material is released or spilled: clean up with wetting or material avoiding dusting.

8- Explosion control / personal protection:

Respiratory/ eye/ hand protection: not necessary

STE DES OCRES DE FRANCE

Avenue Victor Hugo– 84400 APT

Tel : 0033(0)490.746.382

www.ocres-de-france.com

Respiratory protection is advisable in dusty place.

TLV-TWA = 10 mg/m³

9- Physical & chemical properties:

Appearance:	powder
Odour	none
pH	6-9
Solubility in water:	insoluble in water
Specific gravity:(H ₂ O=1)	ca. 0,950
Boiling /melting/flash point:	not applicable
Flammability/auto flammability:	none
Extinguishing media:	no restriction

10- Stability and reactivity:

Stability:	stable under normal conditions of storage and use
Hazardous reactions:	none

11- Toxicological information:

The product is not toxic	
Acute oral toxicity:	LD50 (rat) > 5 g /kg

12- Ecological information

Not dangerous for the nature

13- Disposal considerations:

Consult a local expert for advice on the disposal of the material.
Ensure that disposal is in compliance with local, national regulations.

14- Transport information:

no restrictions.

15- Regulatory information:

The product is not a substance subjected to mandatory marking with the EEC Directive 67/548/EEC. It is a natural product.

16- Other information

The information herein is based on the present state of our knowledge, but without liability.

Date: 11/02/11



FICHE DE DONNEES DE SECURITE

ROUGE ERCOLANO

SAFETY DATA SHEET

(According to 91/155/EEC – Revision REACH 01/07/08 – date emission 2/08/2004)

1- Commercial Product name:

ROSSO ERCOLANO (TR/0316)

Company/ distribution:

Ste des ocres de France

Impasse des Ociers

84400 – APT – France

Telephone number for urgent call:

Tel.: 00.33 (0)490.746.382

e-mail:

info-distribution@ocres-de-france.com

2- Hazard identification

Not necessary.

3- Composition / Chemical characterisation

CAS number 999999-99-4

EINECS: 310-127-6

4- First aid measures:

Inhalation:

If inhaled, move to fresh air

Eyes:

Flush eye with flowing water

Skin:

Wash affected skin with soap and water

Ingestion:

If swallowed, dilute with water and induce vomiting.

5- Fire fighting measures:

This product is not flammable, it doesn't produce toxic effect.

Unusual fire and explosion hazards: none

6- Accidental release measures:

Personal precautions:

clean up with the appropriate personal equipment

Environmental precautions:

The product is not dangerous for the nature

7- Handling and storage:

A moderately dry, well-ventilated area is considered suitable for handling and storage.

Usual precautions for nuisance dust should be observed.

Steps to be taken in case material is released or spilled: clean up with wetting or material avoiding dusting.

8- Explosion control / personal protection:

Respiratory/ eye/ hand protection: not necessary

Respiratory protection is advisable in dusty place.

TLV-TWA = 10 mg/m³

STE DES OCRES DE FRANCE

Avenue Victor Hugo– 84400 APT

Tel : 0033(0)490.746.382

www.ocres-de-france.com

9- Physical & chemical properties:

Appearance:	powder
Odour:	none
PH:	6-9
Solubility in water:	insoluble in water
Specific gravity:(H ₂ O=1)	ca. 1,10 gr/cm ³
Boiling /melting/flash point:	not applicable
Flammability/auto flammability:	none
Extinguishing media:	no restriction

10- Stability and reactivity:

Stability:	stable under normal conditions of storage and use
Hazardous reactions:	none

11- Toxicological information:

The product is not toxic	
Acute oral toxicity:	LD50 (rat) > 5 g /kg

12- Ecological information

Not dangerous for the nature

13- Disposal considerations:

Consult a local expert for advice on the disposal of the material.
Ensure that disposal is in compliance with local, national regulations.

14- Transport information:

no restrictions.

15- Regulatory information:

The product is not a substance subjected to mandatory marking with the EEC Directive 67/548/EEC. It is a natural product.

R phrases: not classified
S phrases: non classified

16- Other information

The information herein is based on the present state of our knowledge, but without liability.

Date: 11/02/11



MATERIAL SAFETY DATA SHEET

ACCORDING TO DIRECTIVE 91/155/EEC

1. IDENTIFICATION OF THE SUBSTANCE, THE PREPARATION AND THE COMPANY

1.1. IDENTIFICATION OF THE SUBSTANCE	Green MC
1.2. IDENTIFICATION OF THE COMPANY	STE OCRES DE FRANCE Impasse des Ocriers F - 84401 APT CEDEX Tél: 04.90.74.63.82 / FAX: 04. 90.74.46.75
1.3. EMERGENCY PHONE NUMBER	Telephone : + 33 (0) 4.90.74.47.67 Telephone : + 33 (0) 4.90.74.63.82

2. COMPOSITION / INFORMATION OF THE COMPONENTS

2. COMPOSITION	Chromium Oxide Green 17
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3. IDENTIFICATION OF DANGERS

3. SPECIFIC DANGERS :	None. Coloured loams are not classified within dangerous components but cannot be used in the pharmaceutical, cosmetics, food industry and subsidiaries sectors.
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4. FIRST HELP

4.1. CONTACT WITH EYES	Wash with water while spreading the eyelids In case of obstinate irritation, consult an oculist.
4.2. CONTACT WITH SKIN	Wash with soapy water and rinse with water
4.3. INHALATION	Move the person to open air. In case of sickness, consult a doctor
4.4. INGESTION	In case of suspicions or recurrent symptoms call a doctor

5. BATTLE AGAINST FIRE MEASURES

MEANS OF EXTINCTION :		
5.1.	Advisable :	none
5.2.	Counter indication:	none
5.3.	Specific dangers :	none
5.4.	Protection of the intervening parties :	none

6. MEASURES TO TAKE IN CASE OF ACCIDENTAL DISPERSION

6.1.	INDIVIDUAL PROTECTIONS : Wear protective clothing	
6.2.	PRECAUTIONS FOR THE PROTECTION OF THE ENVIRONMENT : Avoid sewer dumping	
6.3.	CLEANING INSTRUCTIONS: None	
6.4.	RECOVERY: Vacuum Cleaning	
6.5.	CLEANING: Use soapy water	

7. HANDLING AND STORAGE

7.1.	HANDLING	Handle avoiding dust emission.
7.2.	PRECAUTIONS	Capture of dusts at the emission source.
7.3.	STORAGE	Stable product in normal storage conditions.
7.4.	STORING ADVISE	Keep bags or buckets away from humidity.
7.5.	INCOMPATIBLE MATTERS	None to our knowledge
7.6.	MATERIAL PACKING	Paper bag or plastic bucket

8. EXPOSURE CONTROL / INDIVIDUAL PROTECTION

8.1.	RESPIRATORY PROTECTION	Wear a protecting mask against dusts
8.2.	HANDS PROTECTION	Wear suitable gloves
8.3.	EYES PROTECTION	Wear protective glasses
8.4.	SPECIFIC HYGIENE MEASURES	No food, no drinks, no smoking during use

9. CHEMICAL AND PHYSICAL PROPERTIES

9.1.	PHYSICAL STATE	Powder
9.2.	COLOR	Green
9.3.	ODOR	Odourless
9.4.	TEMPERATURE OF FUSION	> 1000 ° C
9.5.	PH VALUE	3.5 - 6

10. STABILITY AND REACTIVITY

10.1	STABILITY	Stable in normal storage conditions.
10.2	HARMFUL REACTIONS	None, in normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Toxicological testing with similar chemical products gave the following information:
DL 50 by oral testing, test on rat: > 5000mg / kg
Rabbit Skin (24H00): Non irritant. Rabbit eye: Non irritant
Under our actual knowledge the pigments manufactured by the company SOCIETE DES OCRES DE FRANCE are physiologically non harmful. Hence in case of eye contact and under the mechanical effect of powder there is a small risk of slight temporary irritation of the ocular mucous membrane and this in extreme situations.

12. ECOLOGICAL INFORMATION

Ecotoxicological studies on similar products have given the following results:
High toxicity on fishes : (Leuciscus Idus) CLO: 1000mg/liter
High toxicity on bacteria : No harmful outcome on pseudomonas putida : > 1000mg/liter
Due to the almost total water insolvability a separation occurs during all filtration or sedimentation process.

13. ELIMINATION CONNECTED CONSIDERATIONS

- | | |
|-------|--|
| 13.1. | PROCEDURE OF NEUTRALIZATION AND DESTRUCTION OF THE PRODUCT
Eliminate in a controlled dump |
| 13.2. | PROCEDURE OF DESTRUCTION OF THE CONTAMINATED PACKING /
No reusable packing, to be eliminated in a controlled dump |

14. RELATIVE INFORMATION TO THE TRANSPORTATION

14.1	GGVSee/IMDG CODE	---
14.2	GGVE/GGVS	---
14.3	UN No.	---
14.4	RID / ADR	---
14.5	ICAO / IATA-DGR	---
14.6	ADNR	---

INTERNATIONAL REGULATION : This product is not regulated. Sensible to humidity. Keep away from food, acids and its basis. Sensible to odors.

15. AUTHORIZED INFORMATION

This product is not submitted to labelling.

16. OTHER INFORMATION

This safety card has been achieved in accordance with T01-102/12/92 guideline and 91/155/EG. The indicated information is based on the state of our knowledge of the concerned product. Information and recommendations contained in this form are only based on estimated data. Nevertheless it can be given no insurance or relative guarantee to the present information. SOCIETE DES OCRES DE FRANCE. F - 84401 APT CEDEX



SAFETY DATA SHEET

(According to 91/155/EEC - Revision REACH 01/07/08 – date emission 2/08/2004)

1- Commercial Product name : GIALLO KC4 (CO/0312)

Company:

The Earth Pigments Company, LLC

PO Box 1172 Cortaro, AZ 85652 Phone: 520-682-8928 email: info@earthpigments.com

2- Hazard identification

Not necessary.

3- Composition / Chemical characterisation

C.I. : Pigment Yellow 74/11741 fixed on mineral base.CAS 471-34-1

CAS number 6358-31-2

4- First aid measures :

Inhalation: If inhaled, move to fresh air

Eyes: Flush eye with flowing water

Skin: Wash affected skin with soap and water

Ingestion: If swallowed, dilute with water and induce vomiting.

5- Fire fighting measures :

This product is not flammable, it doesn't produce toxic effect.

Unusual fire and explosion hazards : none

6- Accidental release measures :

Personal precautions: clean up with the appropriate personal equipment

Environmental precautions: The product is not dangerous for the nature

7 - Handling and storage :

A moderately dry, well-ventilated area is considered adequate for handling and storage.

Usual precautions for nuisance dust should be observed.

Steps to be taken in case material is released or spilled: clean up with wetting or material avoiding dusting.

8- Exposure control / personal protection :

Respiratory/ eye/ hand protection: not necessary

Respiratory protection is advisable in dusty place.

TLV-TWA = 10 mg/m³

9- Physical & chemical properties :

Appearance: powder

Odour none

pH 6-9

Solubility in water: insoluble in water

Specific gravity:(H₂O=1) ca. 0,800

Boiling /melting/flash point: not applicable

Flammability/auto flammability: none

Extinguishing media: no restriction

10- Stability and reactivity :

Stability: stable under normal conditions of storage and use

Hazardous reactions: none

11- Toxicological information :

The product is not toxic

Acute oral toxicity: LD50 (rat) > 5 g /kg

12- Ecological information

Not dangerous for the nature

13- Disposal considerations :

Consult a local expert for advice on the disposal of the material.

Ensure that disposal is in compliance with local, national regulations.

14- Transport information :

no restrictions.

15- Regulatory information :

The product is not a substance subjected to mandatory marking with the EEC

Directive 67/548/EEC. It is a natural product.

16- Other information

The information herein is based on the present state of our knowledge, but without liability.

Date: 05/06/15



MATERIAL SAFETY DATA SHEET

ACCORDING TO DIRECTIVE 91/155/EEC

1. IDENTIFICATION OF THE SUBSTANCE, THE PREPARATION AND THE COMPANY

1.1	IDENTIFICATION OF THE SUBSTANCE	INDIAN NATURAL RED OXIDE
1.2	IDENTIFICATION OF THE COMPANY	STE OCRES DE FRANCE Impasse des Ocriers F - 84401 APT CEDEX Tél: 04.90.74.63.82 / FAX: 04. 90.74.46.75
1.3	EMERGENCY PHONE NUMBER	Telephone : + 33 (0) 4.90.74.47.67 Telephone : + 33 (0) 4.90.74.63.82

2. COMPOSITION / INFORMATION OF THE COMPONENTS

2.	COMPOSITION	FE203
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3. IDENTIFICATION OF DANGERS

SPECIFIC DANGERS :	None
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4. FIRST HELP

4.1.	CONTACT WITH EYES	Wash with water while spreading the eyelids In case of obstinate irritation, consult an oculist.
4.2.	CONTACT WITH SKIN	Wash with soapy water and rinse with water
4.3.	INHALATION	Move the person to open air. In case of sickness, consult a doctor
4.4.	INGESTION	In case of suspicions or recurrent symptoms call a doctor

5. BATTLE AGAINST FIRE MEASURES

MEANS OF EXTINCTION :		
5.1.	Advisable :	Pulverized water, fire extinguisher.
5.2.	Counter indication:	none
5.3.	Specific dangers :	none
5.4.	Protection of the intervening parties :	none

6. MEASURES TO TAKE IN CASE OF ACCIDENTAL DISPERSION

6.1.	INDIVIDUAL PROTECTIONS :	Wear protective clothing
6.2.	PRECAUTIONS FOR THE PROTECTION OF THE ENVIRONMENT :	Avoid sewer dumping
6.3.	CLEANING INSTRUCTIONS:	None
6.4.	RECOVERY:	Vacuum Cleaning
6.5.	CLEANING:	Use soapy water

7. HANDLING AND STORAGE

7.1.	HANDLING	Handle avoiding dust emission.
7.2.	PRECAUTIONS	Capture of dusts at the emission source.
7.3.	STORAGE	Stable product in normal storage conditions.
7.4.	STORING ADVISE	Keep bags or buckets away from humidity.
7.5.	INCOMPATIBLE MATTERS	None to our knowledge
7.6.	MATERIAL PACKING	Paper bag or plastic bucket

8. EXPOSURE CONTROL / INDIVIDUAL PROTECTION

8.1.	RESPIRATORY PROTECTION	Wear a protecting mask against dusts
8.2.	HANDS PROTECTION	Wear suitable gloves
8.3.	EYES PROTECTION	Wear protective glasses
8.4.	SPECIFIC HYGIENE MEASURES	No food, no drinks, no smoking during use

9. CHEMICAL AND PHYSICAL PROPERTIES

9.1.	PHYSICAL STATE	Powder
9.2.	COLOR	Red
9.3.	ODOR	Odourless
9.4.	TEMPERATURE OF FUSION	700C

10. STABILITY AND REACTIVITY

10.1	STABILITY	Stable in normal storage conditions.
10.2	HARMFUL REACTIONS	None, in normal conditions of use.

11. TOXICOLOGICAL INFORMATION

11.1	CUTANEOUS IRRITATION	Non irritant
11.2	OCULAR IRRITATION	Non irritant

12. ECOLOGICAL INFORMATION

IMPACT ON THE ENVIRONMENT / ECOTOXICITY
"Ames" Test: Negative

13. ELIMINATION CONNECTED CONSIDERATIONS

- 13.1. PROCEDURE OF NEUTRALIZATION AND DESTRUCTION OF THE PRODUCT
Eliminate in a controlled dump
- 13.2. PROCEDURE OF DESTRUCTION OF THE CONTAMINATED PACKING /
No reusable packing, to be eliminated in a controlled dump

14. RELATIVE INFORMATION TO THE TRANSPORTATION

- | | | |
|------|------------------|-----|
| 14.1 | GGVSee/IMDG CODE | --- |
| 14.2 | GGVE/GGVS | --- |
| 14.3 | UN No. | --- |
| 14.4 | RID / ADR | --- |
| 14.5 | ICAO / IATA-DGR | --- |
| 14.6 | ADNR | --- |
- INTERNATIONAL REGULATION : This product is not regulated. Sensible to humidity. Keep away from food, acids and its basis.

15. AUTHORIZED INFORMATION

No dangerous product for the transportation regulation

16. OTHER INFORMATION

This safety card has been achieved in accordance with T01-102/12/92 guideline and 91/155/EG. The indicated information is based on the state of our knowledge of the concerned product. Information and recommendations contained in this form are only based on estimated data. Nevertheless it can be given no insurance or relative guarantee to the present information. **SOCIETE DES OCRES DE FRANCE. F - 84401 APT CEDEX**



MATERIAL SAFETY DATA SHEET
ACCORDING TO DIRECTIVE 91/155/EEC

1 • IDENTIFICATION OF THE SUBSTANCE, THE PREPARATION AND THE COMPANY

1.1 IDENTIFICATION OF THE SUBSTANCE

NATURAL UMBER

1.2 IDENTIFICATION OF THE COMPANY:

STE OCRES DE FRANCE

Impasse des Ocriers

F - 84401 APT CEDEX - FRANCE

Phone: + 33 (0) 4.90.74.63.82 / Fax: + 33 (0) 4. 90.74.46.75

1.3 EMERGENCY PHONE NUMBER:

Phone : + 33 (0) 4.90.74.47.67

Phone : + 33 (0) 4.90.74.63.82

2. COMPOSITION / INFORMATION OF THE COMPONENTS

2.1 USUAL NAME: *NATURAL UMBER*

2.2 C.A.S NUMBER: *None*

2.3 E.I.N.E.C.S NUMBER: *None*

2.4 FORMULA: *IRON and CLAY*

3. IDENTIFICATION OF DANGERS

3.1 SPECIFIC DANGERS: *None*

4. FIRST AID

4.1 CONTACT WITH EYES:

Wash immediatly with water while spreading the eyelids. In case of obstinate irritation, consult an oculist.

4.2 CONTACT WITH SKIN:

Wash with soapy water and rinse with water.

4.3 INHALATION:

Move the person to open air, in case of indisposition, consult a doctor.

4.4 INGESTION:

In case of suspicions or if the sympton are recurent call a physician.

5. MEASURES AGAINST FIRE

5.1 MEANS OF EXTINCTION:

Advisable: Pulverized water, fire extinguisher.

Counter indication: None

Specific dangers: None

Protection of the intervening parties: None

6. ACCIDENTAL DISPERSION MEASURES

6.1 INDIVIDUAL PROTECTIONS:

Wear protective clothing.

6.2 PRECAUTIONS FOR THE PROTECTION OF THE ENVIRONMENT:

Avoid sewer dumping.

6.3 CLEANING INSTRUCTIONS:

RECOVERY:

Vaccum Cleaning.

CLEANING:

Use soapy water.

7. HANDLING AND STORAGE

7.1 HANDLING:

Handle avoiding dust emission.

7.2 PRECAUTIONS:

Capture of dusts at the emission source.

7.3 STORAGE:

Stable product in normal storage conditions.

7.4 STORING ADVISE:

Keep bags or buckets away from humidity.

7.5 INCOMPATIBLE MATTERS:

None to our knowledge.

MATERIAL PACKING:

Paper bag or plastic.

8 • EXPOSURE CONTROL / INDIVIDUAL PROTECTION

8.1. RESPIRATORY PROTECTION:

Wear a protecting mask against dusts.

8.2. HANDS PROTECTION:

Wear suitable gloves.

8.3. EYES PROTECTION:

Wear protective glasses.

8.4. SPECIFIC HYGIENE MEASURES:

No food, no drinks, no smoking during use.

9. CHEMICAL AND PHYSICAL PROPERTIES

9.1. PHYSICAL STATE:

Powder

9.2. COLOR:

Greenish

9.3. DECOMPOSITION TEMPERATURE:

180° C / 356 ° F

9.4. OBVIOUS DENSITY:

0,74 g / cm³ - 2.61 ounce / 0.06 cubic inch

10. STABILITY AND REACTIVITY

10.1 STABILITY:

Stable in normal storage conditions.

10.2 HARMFUL REACTIONS:

None, in normal conditions of use.

11. TOXICOLOGICAL INFORMATION

11.1 CUTANEOUS IRRITATION: *Non irritant*

11.2 OCULAR IRRITATION: *Non irritant*

12. ECOLOGICAL INFORMATION

12.1 IMPACT ON THE ENVIRONMENT / ECOTOXICITY

Ames Test: Negative

13. ELIMINATION CONNECTED CONSIDERATIONS

13.1 PRODUCT NEUTRALIZATION AND DESTRUCTION PROCEDURE:

Eliminate in a controled dump.

13.2 CONTAMINATED PACKING DESTRUCTIVE PROCEDURE:

No reusable packing, to be eliminated in a controled dump.

14. RELATIVE INFORMATION TO THE TRANSPORTATION

14.1 INTERNATIONAL REGULATION:

This product is not regulated.

15. AUTHORIZED INFORMATION

No dangerous product for the transportation regulation

16. OTHER INFORMATION

16.1 OTHER:

This safety card has been achieved in accordance with T01-102/12/92 guideline and 91/155/EG.

The indicated information is based on the state of our knowledge of the concerned product.

Information and recommendations contained in this form are only based on estimated data.

Nevertheless it can be given no insurance or relative guarantee to the present information.

Blaze Orange

SAFETY DATA SHEET



Revision Date 08-May-2018
Version 3.01

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name Blaze Orange™ Pigment
Product code AX-15-N

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

Recommended Use Pigment
Restrictions on use No information available

1.3 Details of the supplier of the safety data sheet

Supplier DayGlo Color Corp.
4515 St. Clair Avenue
Cleveland, OH 44103
(216) 391-7070
+1 216-391-7070 (outside the US) This telephone number is available during office hours only.

E-mail Address ehs@dayglo.com

1.4 Emergency telephone number

Emergency telephone number Chemtrec: +1 703-527-3887 ex-USA
Chemtrec: 1-800-424-9300 USA

2. Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910.1200

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
---	------------

2.2 Label elements

Signal Word
Warning

Hazard Statements
Harmful if inhaled

**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area

Precautionary Statements - Response

IF INHALED: Remove person to fresh air and keep comfortable for breathing
Call a POISON CENTER or doctor if you feel unwell

2.3. Other Hazards Hazards not otherwise classified (HNOC)

Not Applicable

2.4 Other information

Not Applicable

Unknown Acute Toxicity 1.0100007% of the mixture consists of ingredient(s) of unknown toxicity

3. Composition/Information on Ingredients**Substance****Mixture**

Chemical Name	CAS No.	Weight-%
C.I. Basic Red 1:1	3068-39-1	1 - 5

The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First aid measures**4.1 Description of first-aid measures**

General advice	No information available.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Skin contact	Immediate medical attention is not required. Wash off with soap and water.
Inhalation	Immediate medical attention is not required. Move to fresh air.
Ingestion	Do NOT induce vomiting. Drink plenty of water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically.

5. Fire-Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media None.

5.2 Special hazards arising from the substance or mixture

Special Hazard

None known based on information supplied.

Hazardous Combustion Products Carbon oxides. Nitrogen oxides (NOx). Oxides of sulfur.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas. Use personal protective equipment.

6.2 Environmental precautions

Dust deposits should not be allowed to accumulate on surfaces as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., cleaning dusty surfaces with compressed air). Nonsparking tools should be used. Prevent product from entering drains.

6.3 Methods and materials for containment and cleaning up

Methods for Containment Prevent dust cloud. Cover powder spill with plastic sheet or tarp to minimize spreading.

Methods for cleaning up Use personal protective equipment. Take up mechanically and collect in suitable container for disposal. Avoid dust formation. Take precautionary measures against static discharges. Do not dry sweep dust. Wet dust with water before sweeping or use a vacuum to collect dust. Prevent product from entering drains. Keep in suitable and closed containers for disposal.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling Avoid dust formation. Take precautionary measures against static discharges. Fine dust dispersed in air may ignite. Wear personal protective equipment.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions Keep tightly closed in a dry and cool place.

Materials to Avoid No materials to be especially mentioned.

8. Exposure controls/personal protection

8.1 Exposure Guidelines

8.2 Appropriate engineering controls

Engineering Measures	Showers Eyewash stations Ventilation systems.
----------------------	---

8.3 Individual protection measures, such as personal protective equipment

Eye/Face Protection	Safety glasses with side-shields.
Skin and body protection	Wear chemical resistant footwear and clothing such as gloves, an apron or a whole body suit as appropriate.
Respiratory protection	. NIOSH/MSHA approved respiratory protection should be worn if exposure is anticipated.
Hygiene measures	See section 7 for more information

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Solid		
Appearance	Powder	Color	Orange
Odor	Pungent	Odor Threshold	No information available

Property	Values	Remarks • Methods
pH	Not Applicable	
Melting/freezing point	110 °C / 230 °F	
Boiling point/boiling range	Not applicable	No information available
Flash Point	Not Applicable	No information available
Evaporation rate	Not Applicable	No information available
Flammability (solid, gas)		No information available
Flammability Limits in Air		
upper flammability limit		No information available
lower flammability limit		No information available
Vapor pressure	Not Applicable	
Vapor density	Not Applicable	
Specific Gravity	1.36	
Water solubility	Insoluble in water	
Solubility in other solvents		No information available
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Viscosity, kinematic		No information available
Viscosity, dynamic		No information available
Explosive properties	Fine dust dispersed in air may ignite	
Oxidizing Properties		No information available

9.2 Other information

Volatile organic compounds (VOC) content	None
--	------

10. Stability and Reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to Avoid

Dust formation. Take precautionary measures against static discharges.

10.5 Incompatible Materials

None known based on information supplied.

10.6 Hazardous Decomposition Products

None known based on information supplied.

11. Toxicological information

11.1 Acute toxicity

Numerical measures of toxicity: Product Information

LD50 Oral: > 16,000 mg/kg (rat)	LD50 Dermal: > 23,000 mg/kg (rat)
---	---

The following values are calculated based on chapter 3.1 of the GHS document

Unknown Acute Toxicity 1.0100007% of the mixture consists of ingredient(s) of unknown toxicity

Oral LD50 44,455.00 mg/kg
LC50 (Dust/Mist) 4.90 mg/l

Numerical measures of toxicity: Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
C.I. Basic Red 1:1 3068-39-1	449 mg/kg (Rat)	2,500 mg/kg (Rat)	0.05 mg/l (4 hour)

11.2 Information on toxicological effects**Skin corrosion/irritation**

Product Information

- May cause irritation

Component Information

- No information available

Serious eye damage/eye irritation

Product Information

- May cause irritation

Component Information

- No information available

Respiratory or skin sensitizationProduct Information

- May be harmful if inhaled

Component Information

- No information available

Germ cell mutagenicityProduct Information

- No information available

Component Information

- No information available

CarcinogenicityProduct Information

- This product contains <0.1% free formaldehyde and may be capable of outgassing formaldehyde at levels in excess of OSHA's Action Level under some conditions of use. Formaldehyde is a known cancer hazard. Long term exposure may result in dermatitis or respiratory sensitization for sensitive individuals.

Component Information

- No information available

Reproductive toxicityProduct Information

- No information available

Component Information

- No information available

STOT - single exposure

No information available

STOT - repeated exposure

- No known effect

Other adverse effectsProduct Information

- No information available

Component Information

- No information available

Aspiration hazardProduct Information

- No information available

Component Information

- No information available

12. Ecological information

12.1 Toxicity

Ecotoxicity

No information available

< 1 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Ecotoxicity effects

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

Discharge into the environment must be avoided

12.4 Mobility in soil

No information available.

12.5 Other adverse effects

No information available

13. Disposal Considerations**13.1 Waste treatment methods**

Dispose of in accordance with federal, state, and local regulations.

14. Transport Information

<u>DOT</u>	Not regulated
<u>MEX</u>	Not regulated
<u>IMDG</u>	Not regulated
<u>IATA</u>	Not regulated

15. Regulatory information**15.1 International Inventories**

TSCA	Complies
DSL	Complies
EINECS/ELINCS	Complies
ENCS	-
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies
NZIoC	-

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL - Canadian Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

15.2 U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

15.3 Pesticide Information

Not applicable

15.4 U.S. State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65
Formaldehyde - 50-00-0	Carcinogen
C.I. Basic Violet 10 - 81-88-9	Carcinogen

16. Other information

NFPA	Health Hazard 0	Flammability -	Instability -	Physical and chemical hazards -
HMIS	Health Hazard 2	Flammability 1	Physical Hazard 0	Personal protection X

Legend:

ACGIH (American Conference of Governmental Industrial Hygienists)
Ceiling (C)
DOT (Department of Transportation)
EPA (Environmental Protection Agency)
IARC (International Agency for Research on Cancer)
International Air Transport Association (IATA)
International Maritime Dangerous Goods (IMDG)
NIOSH (National Institute for Occupational Safety and Health)
NTP (National Toxicology Program)
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
PEL (Permissible Exposure Limit)
Reportable Quantity (RQ)
Skin designation (S*)
STEL (Short Term Exposure Limit)
TLV® (Threshold Limit Value)
TWA (time-weighted average)

Prepared By DayGlo Color Corp.
Regulatory Affairs/Product Safety
Revision Date 08-May-2018

Revision Note
No information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet



Colorer votre vie au naturel

FICHE DE DONNEES DE SECURITE Conforme au règlement (CE) n°1907/2006 (REACH), n°2015/830

SAFETY DATA SHEET

Rubrique 1 : IDENTIFICATION OF THE SUBSTANCE, THE PREPARATION AND THE COMPANY

1.1 Identification of the substance

BURNT SIENNA

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

Coloring material for building materials and use of creative hobbies

1.3 Manufacturer information

STE DES OCRES DE France

Impasse des Ociers

84400 – APT – France

www.ocresdefrance.fr

1.3 emergency number

www.centres-antipoison.net 01 40 05 48 48 (centre anti-poison)

Rubrique 2 : IDENTIFICATION OF RISKS

2.1 classification of the substance or mixture in accordance with Regulation (EC) No 1272/2008 and its adjustments.

This substance is not classified as dangerous according to Directive 67/548 / EEC and its amendments.

For more details on health consequences and symptoms, see section 11.

2.2 labeling elements in accordance with Regulation (EC) No 1272/2008 and its adaptations.

No labeling element is required

2.3 Another dangers

The substance does not meet the criteria for PBT or vPvB substances according to Annex XIII of REACH Regulation (CE) No 1907/2006

Rubrique 3: COMPOSITION / INFORMATION ON COMPONENTS

CI : R102

Composition : $\text{SiO}_2 + \text{Al}_2\text{O}_3 + \text{Fe}_2\text{O}_3$

Substance/ préparation : substance

Numéros cas : no

Numéros einecs : no

To the present knowledge of the supplier, this product does not contain any ingredients that are hazardous to require a statement in this section, in accordance with EU regulations or national regulations.

REACH: the substance is not subject to REACH according to Annex V

Rubrique 4: FIRST AID

Transport the person to the fresh air. In case of fainting, place the person in a lateral safety position. Immediately flush eyes with plenty of water, occasionally lifting the eyelids. Check if the victim wears contact lenses and in this case remove them.
If irritation occurs, consult a doctor.

Rubrique 5: FIRE FIGHTING MEASURES

The substance is not flammable. In case of fire, spray with water (in fog), foam, dry chemical or carbon dioxide.

Rubrique 6: MEASURES TO BE TAKEN IN CASE OF ACCIDENTAL RELEASE

Provide adequate ventilation. Put on appropriate personal protective equipment.
Avoid dispersal and spillage of the spilled product and contact with soil, surrounding aquatic environment, sewers or drains.

Rubrique 7: HANDLING AND STORAGE

No special measures required

Rubrique 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Wash hands, forearms and face after handling product.
Recommended: dust mask
Avoid contact with eyes. Use eye protection in accordance with an approved standard
Personal protective equipment for the body should be selected according to the task to be performed and the risks involved.

Rubrique 9: PHYSICAL AND CHEMICAL PROPERTIES

general informations

Physical state: powder

Color : red/brown

Odor: odorless

PH: 7

Melting point: not available

Bulk density: 830 g / l

Solubility: insoluble

Rubrique 10: STABILITY AND REACTIVITY

The product is stable

Under normal conditions of storage and use, no hazardous decomposition products should appear.

Rubrique 11: TOXICOLOGICAL INFORMATION

Any effects of chronic toxicity or sensitization are virtually excluded by that his natural earth is the calcination of sienna naturelle, which is a natural mineral of the earth's surface and, in the dissolved state, a natural constituent of water in nature and that his

Rubrique 12: ECOLOGICAL INFORMATION

Sienna calcinée is the calcination of sienna naturelle which is, in the solid state, a mineral constituent, natural of the earth. In the dissolved state, the substance is a natural constituent of water in nature. Therefore, adverse effects on the environment can be excluded. His own can not be biodegraded.

Rubrique 13: CONSIDERATIONS RELATING TO ELIMINATION

In general: Check the suitability of the product for reuse. Uncleaned waste and uncleaned packaging must be packed or closed, labeled and disposed of at a destruction or recycling center in accordance with the national legislation in force. Consult the manufacturer in case of large quantities. If uncleaned empty containers are forwarded, inform the consignee of the possible risks due to the residues of the product. For disposal within the EU, use the waste code in force according to the European Waste List (LED). All waste producers are required, among other things, to classify their waste according to the category and process code of the European Waste List (LED).

To the present knowledge of the supplier, this product is not considered a hazardous waste as defined by EU Directive 91/689 / EEC

Rubrique 14: TRANSPORT

This product is not subject to labeling. No special conditions

Rubrique 15: REGULATORY INFORMATION

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

- Classification and labeling information in section 2:

The following regulations have been taken into account:

- Règlement (CE) n° 1272/2008 modifié par le règlement (UE) n° 487/2013
- Règlement (CE) n° 1272/2008 modifié par le règlement (UE) n° 758/2013
- Règlement (CE) n° 1272/2008 modifié par le règlement (UE) n° 944/2013
- Règlement (CE) n° 1272/2008 modifié par le règlement (UE) n° 605/2014
- Règlement (CE) n° 1272/2008 modifié par le règlement (UE) n° 1297/2014

- Information about the packaging:

No data available.

- Particular dispositions :

No data available.

15.2. Chemical safety assessment

No data available.

Rubrique 16: ANOTHER INFORMATIONS

Abréviations :

ADR : Accord européen relatif au transport international de marchandises Dangereuses par la Route.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

OACI : Organisation de l'Aviation Civile Internationale.

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

PBT : Persistante, bioaccumulable et toxique.

vPvB : Très persistante et très bioaccumulable.

SVHC : Substance of Very High Concern

Historical

Date of publication: April 2018

Date of the previous edition: October 2015



Colorer votre vie au naturel

FICHE DE DONNEES DE SECURITE Conforme au règlement (CE) n°1907/2006 (REACH), n°2015/830

SAFETY DATA SHEET

Rubrique 1 : IDENTIFICATION OF THE SUBSTANCE, THE PREPARATION AND THE COMPANY

1.1 Identification of the substance / mixture

BURNT UMBER

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

Coloring material for building materials and use of creative hobbies

1.3 Manufacturer information

STE DES OCRES DE France

Impasse des Ocriers

84400 – APT – France

www.ocresdefrance.fr

1.3 emergency number

www.centres-antipoison.net 01 40 05 48 48 (centre anti-poison)

Rubrique 2 : IDENTIFICATION OF RISKS

2.1 classification of the substance or mixture in accordance with Regulation (EC) No 1272/2008 and its adjustments.

This mixture is not classified as dangerous according to Directive 67/548 / EEC and its amendments.

For more details on health consequences and symptoms, see section 11.

2.2 labeling elements in accordance with Regulation (EC) No 1272/2008 and its adaptations.

No labeling element is required

2.3 Another dangers

The mixture does not meet the criteria for PBT or vPvB substances according to Annex XIII of REACH Regulation (CE) No 1907/2006

Rubrique 3: COMPOSITION / INFORMATION ON COMPONENTS

CI : R102

Composition : natural iron oxyde and calcium carbonate

Substance/ préparation : preparation

Numéros cas : 1317-65-3

215-279-6

Numéros einecs : no

To the present knowledge of the supplier, this product does not contain any ingredients that are hazardous to require a statement in this section, in accordance with EU regulations or national regulations.

REACH: this preparation is not subject to REACH

Rubrique 4: FIRST AID

Transport the person to the fresh air. In case of fainting, place the person in a lateral safety position. Immediately flush eyes with plenty of water, occasionally lifting the eyelids. Check if the victim wears contact lenses and in this case remove them.
If irritation occurs, consult a doctor.

Rubrique 5: FIRE FIGHTING MEASURES

The mixture is not flammable. In case of fire, spray with water (in fog), foam, dry chemical or carbon dioxide.

Rubrique 6: MEASURES TO BE TAKEN IN CASE OF ACCIDENTAL RELEASE

Provide adequate ventilation. Put on appropriate personal protective equipment.
Avoid dispersal and spillage of the spilled product and contact with soil, surrounding aquatic environment, sewers or drains.

Rubrique 7: HANDLING AND STORAGE

No special measures required

Rubrique 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Wash hands, forearms and face after handling product.
Recommended: dust mask
Avoid contact with eyes. Use eye protection in accordance with an approved standard
Personal protective equipment for the body should be selected according to the task to be performed and the risks involved.

Rubrique 9: PHYSICAL AND CHEMICAL PROPERTIES

general informations

Physical state: powder

Color : dark brown

Odor: odorless

PH: no available

Melting point: not available

Bulk density: 831 g / l

Solubility: insoluble

Rubrique 10: STABILITY AND REACTIVITY

The product is stable

Under normal conditions of storage and use, no hazardous decomposition products should appear.

Rubrique 11: TOXICOLOGICAL INFORMATION

Inhalation: No known significant effects or critical hazards.
Ingestion: No known significant effects or critical hazards.
Skin contact: No known significant effects or critical hazards.
Eye contact: Exposure to atmospheric concentrations above statutory or recommended exposure limits may possibly lead to eye irritation.

If the product is handled properly, it has no harmful effects according to our experiences and information

Rubrique 12: ECOLOGICAL INFORMATION

No known significant effects or critical hazards.

Rubrique 13: CONSIDERATIONS RELATING TO ELIMINATION

In general: Check the suitability of the product for reuse. Uncleaned waste and uncleaned packaging must be packed or closed, labeled and disposed of at a destruction or recycling center in accordance with the national legislation in force. Consult the manufacturer in case of large quantities. If uncleaned empty containers are forwarded, inform the consignee of the possible risks due to the residues of the product. For disposal within the EU, use the waste code in force according to the European Waste List (LED). All waste producers are required, among other things, to classify their waste according to the category and process code of the European Waste List (LED).

To the present knowledge of the supplier, this product is not considered a hazardous waste as defined by EU Directive 91/689 / EEC

Rubrique 14: TRANSPORT

This product is not subject to labeling. No special conditions

Rubrique 15: REGULATORY INFORMATION

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

- Classification and labeling information in section 2:

The following regulations have been taken into account:

- Règlement (CE) n° 1272/2008 modifié par le règlement (UE) n° 487/2013
- Règlement (CE) n° 1272/2008 modifié par le règlement (UE) n° 758/2013
- Règlement (CE) n° 1272/2008 modifié par le règlement (UE) n° 944/2013
- Règlement (CE) n° 1272/2008 modifié par le règlement (UE) n° 605/2014
- Règlement (CE) n° 1272/2008 modifié par le règlement (UE) n° 1297/2014
- Information about the packaging:

No data available.

- Particular dispositions :

No data available.

15.2. Chemical safety assessment

No data available.

Rubrique 16: ANOTHER INFORMATIONS

Abréviations :

ADR : Accord européen relatif au transport international de marchandises Dangereuses par la Route.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

OACI : Organisation de l'Aviation Civile Internationale.

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

PBT : Persistante, bioaccumulable et toxique.

vPvB : Très persistante et très bioaccumulable.

SVHC : Substance of Very High Concern

Historical

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Colorer votre vie au naturel

FICHE DE DONNEES DE SECURITE Conforme au règlement (CE) n°1907/2006 (REACH), n°2015/830

SAFETY DATA SHEET

Rubrique 1 : IDENTIFICATION OF THE SUBSTANCE, THE PREPARATION AND THE COMPANY

1.1 Identification of the substance

DARK YELLOW OCHER

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

Coloring material for building materials and use of creative hobbies

1.3 Manufacturer information

STE DES OCRES DE France

Impasse des Ociers

84400 – APT – France

www.ocresdefrance.fr

1.3 emergency number

www.centres-antipoison.net 01 40 05 48 48 (centre anti-poison)

Rubrique 2 : IDENTIFICATION OF RISKS

2.1 classification of the substance or mixture in accordance with Regulation (EC) No 1272/2008 and its adjustments.

This substance is not classified as dangerous according to Directive 67/548 / EEC and its amendments.

For more details on health consequences and symptoms, see section 11.

2.2 labeling elements in accordance with Regulation (EC) No 1272/2008 and its adaptations.

No labeling element is required

2.3 Another dangers

The substance does not meet the criteria for PBT or vPvB substances according to Annex XIII of REACH Regulation (CE) No 1907/2006

Rubrique 3: COMPOSITION / INFORMATION ON COMPONENTS

CI : Y 43

Composition : SiO₂ + Al₂O₃ + Fe₂O₃

Substance/ préparation : substance

Numéros cas : no

Numéros einecs : no

To the present knowledge of the supplier, this product does not contain any ingredients that are hazardous to require a statement in this section, in accordance with EU regulations or national regulations.

REACH: the substance is not subject to REACH according to Annex V

Rubrique 4: FIRST AID

Ocre jaune jfles

Transport the person to the fresh air. In case of fainting, place the person in a lateral safety position. Immediately flush eyes with plenty of water, occasionally lifting the eyelids. Check if the victim wears contact lenses and in this case remove them.
If irritation occurs, consult a doctor.

Rubrique 5: FIRE FIGHTING MEASURES

The substance is not flammable. In case of fire, spray with water (in fog), foam, dry chemical or carbon dioxide.

Rubrique 6: MEASURES TO BE TAKEN IN CASE OF ACCIDENTAL RELEASE

Provide adequate ventilation. Put on appropriate personal protective equipment.
Avoid dispersal and spillage of the spilled product and contact with soil, surrounding aquatic environment, sewers or drains.

Rubrique 7: HANDLING AND STORAGE

No special measures required

Rubrique 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Wash hands, forearms and face after handling product.
Recommended: dust mask
Avoid contact with eyes. Use eye protection in accordance with an approved standard
Personal protective equipment for the body should be selected according to the task to be performed and the risks involved.

Rubrique 9: PHYSICAL AND CHEMICAL PROPERTIES

general informations

Physical state: powder

Color : yellow

Odor: odorless

PH: 7

Melting point: not available

Bulk density: 546 g / l

Solubility: insoluble

Rubrique 10: STABILITY AND REACTIVITY

The product is stable

Under normal conditions of storage and use, no hazardous decomposition products should appear.

Rubrique 11: TOXICOLOGICAL INFORMATION

Any effects of chronic toxicity or sensitization are virtually excluded by
that ochre is a natural mineral of the earth's surface and, in the dissolved state,
a natural constituent of water in nature.

Rubrique 12: ECOLOGICAL INFORMATION

ochre is, in the solid state, a mineral, natural constituent of the earth. In the dissolved state, the substance is a natural constituent of water in nature. Therefore, adverse effects on the environment can be excluded. ochre can not be biodegraded

Rubrique 13: CONSIDERATIONS RELATING TO ELIMINATION

In general: Check the suitability of the product for reuse. Uncleaned waste and uncleaned packaging must be packed or closed, labeled and disposed of at a destruction or recycling center in accordance with the national

Ocre jaune jfls

legislation in force. Consult the manufacturer in case of large quantities. If uncleaned empty containers are forwarded, inform the consignee of the possible risks due to the residues of the product. For disposal within the EU, use the waste code in force according to the European Waste List (LED). All waste producers are required, among other things, to classify their waste according to the category and process code of the European Waste List (LED).

To the present knowledge of the supplier, this product is not considered a hazardous waste as defined by EU Directive 91/689 / EEC

Rubrique 14: TRANSPORT

This product is not subject to labeling. No special conditions

Rubrique 15: REGULATORY INFORMATION

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

- Classification and labeling information in section 2:

The following regulations have been taken into account:

- Règlement (CE) n° 1272/2008 modifié par le règlement (UE) n° 487/2013
- Règlement (CE) n° 1272/2008 modifié par le règlement (UE) n° 758/2013
- Règlement (CE) n° 1272/2008 modifié par le règlement (UE) n° 944/2013
- Règlement (CE) n° 1272/2008 modifié par le règlement (UE) n° 605/2014
- Règlement (CE) n° 1272/2008 modifié par le règlement (UE) n° 1297/2014

- Information about the packaging:

No data available.

- Particular dispositions :

No data available.

15.2. Chemical safety assessment

No data available.

Rubrique 16: ANOTHER INFORMATIONS

Abréviations :

ADR : Accord européen relatif au transport international de marchandises Dangereuses par la Route.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

OACI : Organisation de l'Aviation Civile Internationale.

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

PBT : Persistante, bioaccumulable et toxique.

vPvB : Très persistante et très bioaccumulable.

SVHC : Substance of Very High Concern

Historical

Date of publication: April 2018

Date of the previous edition: October 2015



Colorer votre vie au naturel

FICHE DE DONNEES DE SECURITE Conforme au règlement (CE) n°1907/2006 (REACH), n°2015/830

SAFETY DATA SHEET

Rubrique 1 : IDENTIFICATION OF THE SUBSTANCE, THE PREPARATION AND THE COMPANY

1.1 Identification of the substance

NATURAL SIENNA

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

Coloring material for building materials and use of creative hobbies

1.3 Manufacturer information

STE DES OCRES DE France

Impasse des Ociers

84400 – APT – France

www.ocresdefrance.fr

1.3 emergency number

www.centres-antipoison.net 01 40 05 48 48 (centre anti-poison)

Rubrique 2 : IDENTIFICATION OF RISKS

2.1 classification of the substance or mixture in accordance with Regulation (EC) No 1272/2008 and its adjustments.

This substance is not classified as dangerous according to Directive 67/548 / EEC and its amendments.

For more details on health consequences and symptoms, see section 11.

2.2 labeling elements in accordance with Regulation (EC) No 1272/2008 and its adaptations.

No labeling element is required

2.3 Another dangers

The substance does not meet the criteria for PBT or vPvB substances according to Annex XIII of REACH Regulation (CE) No 1907/2006

Rubrique 3: COMPOSITION / INFORMATION ON COMPONENTS

CI : Y 43

Composition : $\text{SiO}_2 + \text{Al}_2\text{O}_3 + \text{Fe}_2\text{O}_3$

Substance/ préparation : substance

Numéros cas : no

Numéros einecs : no

To the present knowledge of the supplier, this product does not contain any ingredients that are hazardous to require a statement in this section, in accordance with EU regulations or national regulations.

REACH: the substance is not subject to REACH according to Annex V

Rubrique 4: FIRST AID

Sienne naturelle

Transport the person to the fresh air. In case of fainting, place the person in a lateral safety position. Immediately flush eyes with plenty of water, occasionally lifting the eyelids. Check if the victim wears contact lenses and in this case remove them.
If irritation occurs, consult a doctor.

Rubrique 5: FIRE FIGHTING MEASURES

The substance is not flammable. In case of fire, spray with water (in fog), foam, dry chemical or carbon dioxide.

Rubrique 6: MEASURES TO BE TAKEN IN CASE OF ACCIDENTAL RELEASE

Provide adequate ventilation. Put on appropriate personal protective equipment.
Avoid dispersal and spillage of the spilled product and contact with soil, surrounding aquatic environment, sewers or drains.

Rubrique 7: HANDLING AND STORAGE

No special measures required

Rubrique 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Wash hands, forearms and face after handling product.
Recommended: dust mask
Avoid contact with eyes. Use eye protection in accordance with an approved standard
Personal protective equipment for the body should be selected according to the task to be performed and the risks involved.

Rubrique 9: PHYSICAL AND CHEMICAL PROPERTIES

general informations

Physical state: powder

Color :yellow

Odor: odorless

PH: 7

Melting point: not available

Bulk density: 900 g / l

Solubility: insoluble

Rubrique 10: STABILITY AND REACTIVITY

The product is stable

Under normal conditions of storage and use, no hazardous decomposition products should appear.

Rubrique 11: TOXICOLOGICAL INFORMATION

Any effects of chronic toxicity or sensitization are virtually excluded by
that his natural solid is a natural mineral of the earth's surface and, in the dissolved state,
a natural constituent of water in nature.

Rubrique 12: ECOLOGICAL INFORMATION

Sienna naturelle is, in the solid state, a mineral, natural constituent of the earth. In the dissolved state, the substance is a natural constituent of water in nature. Therefore, adverse effects on the environment can be excluded. His own can not be biodegraded

Rubrique 13: CONSIDERATIONS RELATING TO ELIMINATION

In general: Check the suitability of the product for reuse. Uncleaned waste and uncleaned packaging must be packed or closed, labeled and disposed of at a destruction or recycling center in accordance with the national

Sienna naturelle

legislation in force. Consult the manufacturer in case of large quantities. If uncleaned empty containers are forwarded, inform the consignee of the possible risks due to the residues of the product. For disposal within the EU, use the waste code in force according to the European Waste List (LED). All waste producers are required, among other things, to classify their waste according to the category and process code of the European Waste List (LED).

To the present knowledge of the supplier, this product is not considered a hazardous waste as defined by EU Directive 91/689 / EEC

Rubrique 14: TRANSPORT

This product is not subject to labeling. No special conditions

Rubrique 15: REGULATORY INFORMATION

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

- Classification and labeling information in section 2:

The following regulations have been taken into account:

- Règlement (CE) n° 1272/2008 modifié par le règlement (UE) n° 487/2013
- Règlement (CE) n° 1272/2008 modifié par le règlement (UE) n° 758/2013
- Règlement (CE) n° 1272/2008 modifié par le règlement (UE) n° 944/2013
- Règlement (CE) n° 1272/2008 modifié par le règlement (UE) n° 605/2014
- Règlement (CE) n° 1272/2008 modifié par le règlement (UE) n° 1297/2014

- Information about the packaging:

No data available.

- Particular dispositions :

No data available.

15.2. Chemical safety assessment

No data available.

Rubrique 16: ANOTHER INFORMATIONS

Abréviations :

ADR : Accord européen relatif au transport international de marchandises Dangereuses par la Route.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

OACI : Organisation de l'Aviation Civile Internationale.

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

PBT : Persistante, bioaccumulable et toxique.

vPvB : Très persistante et très bioaccumulable.

SVHC : Substance of Very High Concern

Historical

Date of publication: April 2018

Date of the previous edition: October 2015

White

Bulk

APOTHECARY

Safety Data Sheet Titanium Dioxide

SECTION 1: Identification

1.1 Product identifier

Product name	Titanium Dioxide
Product number	chem-6
Brand	Bulk Apothecary

1.4 Supplier's details

Name	Bulk Apothecary
Address	115 Lena Dr Aurora OH 44202 United States
Telephone	1-888-728-7612
email	sales@bulkapothecary.com

1.5 Emergency phone number(s)

Domestic: 1-800-633-8253 International: 801-629-0667

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Carcinogenicity, Cat. 2

2.2 GHS label elements, including precautionary statements

Pictogram



Hazard statement(s)

H351	Suspected of causing cancer [route]
------	-------------------------------------

Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.

Safety Data Sheet

Titanium Dioxide

P280
P308+P313
P405
P501

Wear protective gloves/protective clothing/eye protection/face protection.
IF exposed or concerned: Get medical advice/attention.
Store locked up.
Dispose of contents/container to ...

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. Titanium(IV) oxide

Concentration	90 - 100 % (weight)
EC no.	236-675-5
CAS no.	13463-67-7

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash off with soap and plenty of water. Consult a physician.
In case of eye contact	Flush eyes with water as a precaution.
If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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

no data available

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical

Titanium/titanium oxides

5.3 Special protective actions for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

Further information

Safety Data Sheet

Titanium Dioxide

no data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs.

Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Keep in a dry place.

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Titanium dioxide

PEL (Inhalation): 5 mg/m³ (Resp), 15 mg/m³ (Total) (OSHA)

Lower Respiratory Tract irritation

2. Titanium dioxide - Total dust (CAS: 13463-67-7)

PEL (Inhalation): See PNOR (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): Ca, (ultrafine particles), 2.4 mg/m³ (fine), 0.3 mg/m³ (ultrafine), See Appendix A, See Appendix C (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

TLV® (Inhalation): 10 mg/m³ (ACGIH)

OSHA Annotated Table Z-1, www.osha.gov

3. Titanium dioxide

Safety Data Sheet

Titanium Dioxide

PEL (Inhalation): 5 mg/m³ (Resp), 10 mg/m³ (Total) (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

8.2 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	White nano particles
Odor	Odorless
Odor threshold	
pH	
Melting point/freezing point	
Initial boiling point and boiling range	
Flash point	
Evaporation rate	
Flammability (solid, gas)	
Upper/lower flammability limits	
Vapor pressure	
Vapor density	
Relative density	
Solubility(ies)	
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	

Safety Data Sheet

Titanium Dioxide

Explosive properties
Oxidizing properties

SECTION 10: Stability and reactivity

10.1 Reactivity

no data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

no data available

10.5 Incompatible materials

Strong acids

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

no data available

SECTION 12: Ecological information

Toxicity

no data available

SECTION 13: Disposal considerations

Disposal of the product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Disposal of contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

Safety Data Sheet

Titanium Dioxide

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

California Prop. 65 Components

Titanium dioxide (airborne, unbound particles of respirable size)

WARNING! This product contains a chemical known to the State of California to cause cancer.

Titanium dioxide

CAS-No. 13463-67-7

New Jersey Right To Know Components

Chemical name: Titanium dioxide

CAS number: 13463-67-7

Pennsylvania Right To Know Components

Chemical name: Titanium dioxide

CAS number: 13463-67-7

SECTION 16: Other information

16.1 Further information/disclaimer

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