



*Glicerina e Parafinas*

## **[Pigmento Mineral PRETO - Óxido de Ferro Cosmético]**

### TECHNICAL DATA SHEET

IRON OXIDE-BLACK

### IDENTIFICACIÓN DATA

Chemical Name: Iron Oxide

Chemical Category: Synthetic Iron Oxide

Color Index No.: Pigment Black

C.A.S. No.: 1317-61-9

### CHEMICAL SPECIFICATIONS

Fe<sub>2</sub>O<sub>3</sub> Content: 97% Minimum

Particle Shape: Spherical

Lead (as Pb): 10 PPM Maximum

Arsenic (as As): 3 PPM Maximum

Mercury(as Hg): 3 PPM Maximum

Organic Color: Negative

Water Soluble Matter: 1.0% Maximum

Acid Insoluble Matter: 0.1% Maximum

### PHYSICAL PROPERTIES

Physical Form: Dry Powder

Color: To Match Standard

Appearance: Black Powder

Primary Particle Size: 0.2 Micron



Density: 5.0 Gram per Milliliter

Tamped Density: 1,0 - 1,4 Gram per Milliliter

#### RESISTANCE PROPERTIES

Heat: Good

Light: Excellent

Acid (Dilute): Good

Alkali (Dilute): Excellent

Solvent: Excellent

#### USE RECOMMENDATION

Black Iron Oxide (C33135) Iron oxides is highly recommended for use in face make-up and eye make-up such as foundation cream, foundation make-up, eye shadow. It conforms to FDA specifications.

#### TRANSPORT AND STORAGE

Protect against weathering. Store in a dry place and avoid extreme fluctuations in temperature. Special conditions for opened packaging: close bags after to prevent the absorption of moisture and contamination.

#### SAFETY

The product is not classified as dangerous under the relevant EC directives and corresponding national regulations valid in the individual EU member states. Is not dangerous according to transport regulations.

In the countries outside the EU, compliance with the respective national legislation concerning the classification, packaging, labelling and transport of dangerous substances must be ensured. Information contained in the safety data sheet should be observed.

*This information is given in good faith, without warranty. It also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to verify the information currently provided and to test our products as to their suitability for the intended processes and uses.*

*The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General conditions of sale and delivery.*

## MATERIAL SAFETY DATA SHEET

### IRON OXIDE BLACK

#### CHEMICAL IDENTIFICATION

Name: Synthetic Iron Oxide, Red, Black, Yellow, Brown, Orange

#### COMPOSITION/INFORMATION ON INGREDIENTS

CAS#: 1309-37-1

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

EC No. 215-168-2

#### Synonyms

Black Oxide of Iron \* Iron Oxide \* Iron Oxide Red \* Iron Oxide Pigments \* Manufactured Iron Oxide \* Yellow Ferric Oxide \* Yellow Oxide of Iron \* Rust \* Iron Oxide Green \* Iron Oxide Brown \* Iron Oxide Orange \* Iron Oxide Blue

#### HAZARD MATERIAL IDENTIFICATION SYSTEM

Health Hazard 0-Minimal

Flammability Hazard 0-Minimal

Reactivity Hazard 0-Minimal

Personal Protection E-Glasses, Gloves, Dust Resp

Sara Title III : Section 313 Supplier Notification This product does not contain toxic chemicals subject to the reporting requirements of section 313 of the emergency planning and community right-to-know act of 1986 and of 40 CFR 372.

#### Precautionary Statement:

Irritant Irritating to eyes, respiratory system and skin

Wear suitable gloves and eyes/face protection In case of contact with eyes, rinse immediately with plenty of water and seek medical advice This product was tested and found to contain less 5 PPM heavy metal including lead. Lead is regulated under california safe drinking water and toxic enforcement act(Proposition 65). We consider this to be a typical quantity some gags may exceed 5 PPM.

#### FIRST AID MEASURE

In case of contact, immediately flush eyes or skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If swallowed, wash out mouth provided person is conscious. Call a physician. Discard contaminated clothing and shoes.

## FIRE FIGHTING MEASURES

### Extinguishing Media

Use extinguishing media appropriate to surrounding fire conditions.

### Special firefighting procedures

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### Unusual fire and explosions hazards

Emits toxic fumes under fire conditions

## ACCIDENTAL RELEASE MEASURES

Evacuate area.

Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.

Wear disposable coveralls and discard them after use.

Sweep up, place in a bag and hold for waste disposal.

Avoid raising dust.

Ventilate area and wash spill site after material pickup is complete.

## HANDLING AND STORAGE

### Engineering Controls

The use of local exhaust ventilation is recommended.

### Personal Protection

NIOSH approved dust respirators are recommended when handling in areas of pigment dusting. Safety glasses are also recommended. Impervious clothing should be worn when gross contact is likely, such as when cleaning up spills of large amounts.

### Exposure Limits

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

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

## EXPOSURE CONTROLS/PERSONAL PROTECTION

Wear appropriate NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety

goggles,other protective clothing.

Use only in a chemical fume hood.

Safety shower and eye bath.

Do not breathe dust.

Do not get in eyes,on skin,on clothing.

Avoid prolonged or repeated exposure.

Wash thoroughly after handling .Irritant.

Keep tightlyclosed.

Store in a cool dry place.

## PHYSICAL AND CHEMICAL PROPERTIES

Odor - No odor

Appearance- yellow,black or red power

Physical Properties

Specific Gravity: 4.03-5.24

## STABILITY AND REACTIVITY

Incompatibilities

Strong acids

Peroxides

Chloroformates

Hazardous combustion or decomposition products

Nature of decomposition products not known.

## TOXICOLOGICAL INFORMATION

Acute effects

May be harmful by inhalation, ingestion,or skin absorption.

Cause eye and skin irritation.

Material is irritating to mucous membrances and upper respiratory tract.

RTECS#: No7400000 Iron(III)Oxide Toxicity data Ipr-Rat Ld50: 5500 MG/KG GTPZAB 26(4),23,82  
Ipr-Mus Ld50: 5500 MG/KG GTPZAB 26(4),23,82 Target organ data Tumorigenic (Equivocal  
tumorigenic agent by rtecs criterja)

Tumorigenic (Tumors at site of application)

Only selected registry of toxic effects of chemical

Substances (rtecs) data is presented here. See actual entry in rtecs for complete information.

#### ECOLOGICAL INFORMATION

Data not yet available.

#### DISPOSAL CONSIDERATIONS

Bury in a landfill site approved for the disposal of chemical and hazardous wastes. Observe national and local environmental regulations.

#### REGULAR INFORMATION

The products don't need to be labeled in accordance with the chemicals (Hazard information and package for supply) Regulations 1994.