

MATERIAL SAFETY DATA SHEET

Modern, Natural, Versatile.

4401 Eastern Avenue Building 45 2A
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(410) 534-1058



Issue Date : 10 Jan 2019

CHEMTREC– 24hr Emergency Telephone
1-800-424-9300

SECTION 1 – PRODUCT / COMPANY IDENTIFICATION

PRODUCT CODE & DESCRIPTION: BLACK IRON OXIDE

UTILIZATION: Cosmetic Ingredient

MANUFACTURER: Monave Mineral Cosmetics
4401 Eastern Ave 45-2A
Baltimore, MD 21224
USA

SECTION II – COMPOSITION / INFORMATION ON THE INGREDIENTS

Description	CAS No.	INECS No	%
iron Oxides (Black)	12227-89-3	235-442-5	100

SECTION III - HAZARD IDENTIFICATION

- Dust may be irritating to skin. No adverse effects expected.
- Dust may be irritating to eyes, will not lead to permanent damage to eye tissue.
- Dust may be irritating to lungs and cause sneezing. See section 9.
- No injury known or expected due to ingestion under normal use.
- Storage at temperatures above 140nF. may cause the black to auto-oxidize, generating heat, which can cause surrounding combustibles to burn.

SECTION IV – FIRST AID MEASURES

Eyes Flush eyes thoroughly with water for 15-min. If discomfort persists, obtain medical assistance.

Skin Wash affected area with soap and water.

Ingestion Non-HAZARDDDUS. If a large amount is ingested or discomfort persists, obtain medical assistance.

Inhalation Remove to frash air. If discomfort persists, obtain medical assistance.

SECTION V - FIRE FIGHTING MEASURES

Flash Point . N/A

Flammable Limits . N/A

Extinguishing Media Water Fog ☒ Alcohol Foam: ☒ CQ2: ☒ Dry Chemical: ☒

Unusual Fire & Explosion Hazards : Temperatures above 140C. may cause the black oxide to auto-oxidize, generating heat. which can cause surroundmg combustibles to burn.

Fire Fighting Equipment Wear foil protective suit.

SECTION VI - ACCIDENTAL RELEASE MEASURES:

Personal Protection . Wear protective clothing

Action to take for Spills/Leaks Sweep up and collect in appropriate containers ready for disposal.

Environmental Protection o not allow product to reach sewage system or any water course.
Inform authorities in case of seepage into water course or sewage system.



Black Iron Oxide

SECTION VII - HANDLING and STORAGE

- Information for Safe Handling
- : Stone in cool, dry place in tightly closed receptacles.
: Ensure good ventilation in the work place.
: Open and handle receptacles with care.
: Avoid generating dust.
: Wear suitable respiratory protective device when decanting large quantities.
: Wash thoroughly after handling.
- Fire and Explosion Protection
- : Avoid electrostatic discharge.
- Storage
- : 10-year shelf life if above recommendations are followed.
: Store only in unopened original receptacles.
: Store in a well ventilated area.
Protect from water and excessive humidity.

SECTION VIII - EXPOSURE CONTROL and PERSONAL PROTECTION

- Ventilation
- : Provide sufficient ventilation to maintain concentrations below TLV.
OSHA/PEL : Total Dust: 15-mg/m³ . Respirable fraction : 5-mg/m³
French Max. Total Dust: 10-mg/m³ , Respirable fraction : 5-mg/m³
- Respiratory Protection
- : Use a face mask approved for mineral dusts by NIOSH.
- Skin Protection
- : Normal protective clothing and gloves.
- Eye Protection
- Wear safety glasses or goggles.

SECTION IX - PHYSICAL and CHEMICAL PROPERTIES

- Balling Point
- : N/A
- Specific Gravity
- : N/A
- Vapor Pressure
- : N/A
- % Volatile by Volume
- N/A
- Vapor Density
- : N/A
- Appearance
- : Black powder
- Solubility in Water
- : Dispersible/Not Soluble
- Odor
- Characteristic

SECTION X - STABILITY and REACTIVITY DATA

- Stability (Conditions to Avoid)
- : Under normal storage and handling conditions. This is a stable material, when kept in a sealed container.
- Incompatibility (Materials to Avoid)
- : Strong oxidizers. Temperatures above 260°F. (127°C.).
- Hazardous Decomposition Products
- : None known to manufacturer
- Hazardous Polymerization
- : Will not occur

SECTION XI TOXICOLOGICAL INFORMATION

- Eye Contact
- : May cause temporary discomfort. Non-hazardous
- Skin Contact
- Non-hazardous.
- Ingestion
- Non-Hazardous, obtain medical assistance.
Acute Oral Toxicity (LPw) > 5000 mg/kg (rat)
- Inhalation
- : Nuisance dust. May cause physical discomfort to the respiratory tract
- Overexposure
- : May cause sensitization by inhalation.
Obtain medical assistance.

SECTION XII - ECOLOGICAL INFORMATION

- Insoluble in Water. May be removed by filtration or sedimentation.
- At present, there are no ecological assessments.



Black Iron Oxide

SECTION XIII - DISPOSAL CONSIDERATION

Recommendation : Wot regulated. Material is non-hazardous.
: Do not dispose of with domestic garbage.
: Do not allow product to ~~reent~~ sewage system.
: Dispose of in accordance with federal, state and local regulations.

Packaging : Packaging may be reused or recycled after cleaning.

SECTION XIV - TRANSPORTATION INFORMATION

‘This product is regulated as a hazardous good by the United States Department of Transportation and as a dangerous good by the International Civil Aviation Association/International Air Transport Association and International Maritime Association when it is transported in packages with a volume of more than 450 liters (174 Kg.).

‘At quantities LESS THAN 450 liters (= 137 Kg. ") per package, It MUST NOT be classified as division 4.2."

At quantities GREATER THAN 450 liters (=137 Kg. ") per package, it IS classified as division 4 2 end the following must be observed

D O T. proper shipping name (49 CFR § 172) : Self-heating solid, inorganic, N.O.S. {contains: black iron oxide)
D.O.T hazard class {49 CFR §172.101-102) : 4.2
D O T. label Spontaneously combustible
D.O.T. placard Spontaneously combustible
Bill of Lading Description Self-heating substance, solid, N.O.S., 4.2, UN 3190, PGIII (contains black iron oxide)
CERCLA substance (49 CFR) Not regulated
Reportable Quantity (RQ) None

International:
UN/NA number : UN 3190
IMDG/IACQ proper shipping name Self-healing substance, solid N.O.S.
IATA proper shipping name : Self-healing substance, solid N.O.S.

~~Based~~ on a typical specific gravity of 5 gm./cu.in. for black iron oxide.

SECTION XV - REGULATORY INFORMATION

International Inventories:

Chemical Name	TSCA	DSL	NDSL	EtNECS	ELfNCS	ENCS	CHINA	KECL	PICCS	AICS
Iron Oxide (Black)	X	X		X		X	X	X	X	

QSHA Hazard Communication Standard Status

This product is not considered to be a hazardous substance under OSHA Federal Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substance Control Act (TSCA) Status

All of the ingredients of this material have been reported to the U.S. ERA and are included in the TSCA chemical inventory.

SARA Title III

Section 302(EHS) : None

Section 311/312(Aute) : None

RCRA : Not regulated as a hazardous waste under RCRA

Labeling per EU guidelines : Not subject to identification regulations under EU Directives and the Ordinance On Hazardous Materials (German GefStoffV)

EU Safety Phrases : S29 (do not empty into drains)

SECTION XVI - ADDITIONAL INFORMATION

The information herein is given in good faith, but no warranty, ~~exPressed~~ or Implied, is made

Written by : Technical Services Department

TECHNICAL DATA SHEET

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PRODUCT: BLACK IRON OXIDE

CTFA NAME: IRON OXIDE

CHEMICAL IDENTITY: Synthetic Black Iron Oxide, Fe₃O₄
CI Psgment, Black 11, CI 77499
CAS # 12227-89 3

SPECIFICATIONS:
COLOR To match standard
ODOR Odorless
APPEARANCE Black powder , free of foreign matter

FDA SPECIFICATIONS:
(CFR Title 21 , 1-99)
§ 73.1200 and § 73.2250
Lead (as Pb) - not more than 10 ppm
Arsenic (as As) - not more than 3 ppm
Mercury (as Hg) - not more than 3 ppm

EEC SPECIFICATIONS:
Regutalion (EC) No. 231/2012
This color additive meets E172 requirements
(by total dissolution test).

Arsenic	Not more than	3 ppm
Cadmium	Not more than	1 ppm
Chromium	Not more than	100 ppm
Copper	Not more than	50 ppm
Lead	Not more than	10 ppm
Mercury	Not more than	1 ppm
Nickel	Not more than	200 ppm
Zinc	Not more than	100 ppm
Water Soluble Matter	Not more than	1%

USES & RESTRICTIONS:
(CFR Title 21 , 1-99)
§ 73.1200 and § 73.2250
This color additive may be safely used to color ingested or
topically applied drugs. If additive is used in drugs ingested
by man the amount consumed shall not exceed 5 milligrams,
calculated as elemental iron, per day ,

May be safely used for coloring cosmetics generally, including
cosmetics applied to the area of the eye, in amounts consistent
with good manufacturing practice.

RECOMMENDATIONS:
Liquid foundations, pressed powders, eye make-up, nail lacquer,
lipsticks, soaps, blushes and tablets.

REVISION DATE: 20 May 2019

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Certificate of Analysis

Name **MONAVE MINERAL COSMETICS**
Address **4401 Eastern Ave # 45-2A**
Baltimore MD 21224
US

Customer PQ# **MMC022417SEN**
Customer Order **17926792**
Item **C71331005** **BLACK IRON OXIDE**

Customer Item **C7133*** **BLACK IRON OXIDE**
Lot/SN **S380525**
02/16/19
Manufacture Date **02/12/29** **Manufactured Maryland**
Lot Expiration Date

Water soluble matter Not more than 1.0% by total dissolution
Arsenic Not more than 3 mg/kg by total dissolution
Cadmium Not more than 1 mg/kg by total dissolution
Chromium Not more than 100 mg/kg by total dissolution
Copper Not more than 50 mg/kg by total dissolution
Lead Not more than 10 mg/kg by total dissolution
Mercury Not more than 1 mg/kg by total dissolution
Nickel Not more than 200 mg/kg by total dissolution
Zinc Not more than 100 mg/kg by total dissolution
This product complies with all FDA requirements for color
additives as listed in 21 CFR parts 73.200, 73.1200 and 73.2250,
the requirements for EI72 found in EC Directive 231/2012/EC.

Peter J. Nicholson Technical Service:QC