

# Safety Data Sheet (SDS)

## International (GHS)

Revision date: 2022-04-25

### SECTION 1: Identification

**Product identifiers:**

**Product trade name:** IRON OXIDE BLACK  
**Company product number:** T08-9347  
**Other means of identification:** Not Available

**Recommended use of the chemical and restrictions on use:**

**Uses:** Pigment  
**Restrictions on use:** None identified

**Details of the supplier:**

**Manufacturer/Supplier:** MAKEUP BY YOU COSMETICS LLC  
Mansfield Texas USA  
Email:MBYCUSTOMERSERVICE@GMAIL.com

For further information about this SDS:

### SECTION 2: Hazard(s) identification

**Classification of the substance or mixture:**

Self-heating substances and mixtures, category 2, H252

**Label elements:**

**Hazard pictogram(s):**



**Signal word:**

Warning

**Hazard statements:**

H252 Self-heating in large quantities; may catch fire.

**Precautionary statements:**

P235+P410 Keep cool. Protect from sunlight.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P407 Maintain air gap between stacks/pallets.  
P413 Store bulk masses greater than 113 kg/250 lbs at temperatures not exceeding 50°C/122°F.  
P420 Store away from other materials.

**Supplemental information:** No Additional Information

Precautionary statements are listed according to the United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS) - Annex III. Regulations in individual countries/regions may determine which statements are required on the product label. See product label for specifics.

**Other hazards:** Skin may discolor due to contact with pigment.

See Section 11 for toxicological information.

### SECTION 3: Composition/information on ingredients

**Substance:**

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Weight%</u>
12227-89-3	Pigment Black 11	95-100

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits.

## SECTION 4: First-aid measures

**Description of first aid measures:**

**General:** If irritation or other symptoms occur or persist from any route of exposure, remove the affected individual from the area: see a physician/get medical attention.

**Eye contact:** Any material that contacts the eye should be washed out immediately with water. Get medical attention if symptoms occur.

**Skin contact:** Wash the affected area thoroughly with plenty of soap and water. Get medical attention if symptoms occur.

**Inhalation:** If affected, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a POISON CENTER or doctor/physician if you feel unwell.

**Ingestion:** Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse out the mouth with water. Get medical attention immediately.

**Protection of first aid responders:** Wear proper personal protective clothing and equipment.

**Most important symptoms and effects, both acute and delayed:** Irritation, Skin contact may discolor skin due to pigment. Preexisting sensitization, skin and/or respiratory disorders or diseases may be aggravated. See section 11 for additional information.

**Indication of any immediate medical attention and special treatment needed, if necessary:** Treat symptomatically.

## SECTION 5: Fire-fighting measures

**Extinguishing media:**

**Suitable:** Carbon dioxide, foam, dry chemical, water.

**Unsuitable:** None known.

**Special hazards arising From the chemical:**

**Unusual fire/explosion hazards:** Self-heating in large quantities; may catch fire. Storage at temperatures above 50°C (122°F) may cause product to oxidize, generating heat which could cause surrounding combustibles to burn. If required or necessary, the product may be quenched with water to stop the reaction.

**Hazardous combustion products:** Irritating or toxic substances may be emitted upon burning, combustion or decomposition. See section 10 (Hazardous decomposition products) for additional information.

**Special protective equipment and precautions for fire-fighters:** Water spray (fog) can be used to absorb heat and to cool and protect surrounding exposed material. Wear self-contained breathing apparatus (SCBA) and complete personal protective equipment when entering confined areas where potential for exposure to vapors or products of combustion exists.

See section 9 for additional information.

## SECTION 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** See Section 8 for recommendations on the use of personal protective equipment. If spilled in an enclosed area, ventilate.

**Environmental precautions:** Do not flush product into public sewer, water systems or surface waters.

**Methods and materials for containment and cleaning up:** Contain spill. Wear proper personal protective clothing and equipment. Sweep up carefully and place into container for reuse or disposal. Avoid causing dust. Place into labeled, closed container; store in safe location to await disposal. Change contaminated clothing and launder before reuse.

## SECTION 7: Handling and storage

**Precautions for safe handling:** As with any chemical product, use good laboratory/workplace procedures. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Use under well-ventilated conditions. Avoid eye contact. Avoid repeated or prolonged skin contact. Avoid breathing dust. Avoid drinking, tasting, swallowing or ingesting this product. Wash contaminated clothing before reuse. Provide eyewash fountains and safety showers in the work area.

**Conditions for safe storage, including any incompatibilities:** Store cool and dry, under well-ventilated conditions. Store this material away from incompatible substances (see section 10). Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use. Store product where temperatures are below 122°F (50°C).

## SECTION 8: Exposure controls / personal protection

### Control parameters:

#### Occupational exposure limits (OEL):

<u>Chemical Name</u>	<u>ACGIH - TWA/Ceiling</u>	<u>ACGIH - STEL</u>	
Iron oxide pigment	5 mg/m <sup>3</sup> TWA (respirable fraction)	N/E	
<u>Chemical Name</u>	<u>Australia</u>	<u>New Zealand</u>	<u>Korea</u>
Iron oxide pigment	5 mg/m <sup>3</sup> TWA (fume), 10 mg/m <sup>3</sup> TWA (inhalable dust) (as Fe) (Rouge)	5 mg/m <sup>3</sup> TWA (dust and fume), 10 mg/m <sup>3</sup> TWA (inhalable dust) (as Fe)	10 mg/m <sup>3</sup> TWA (Rouge), 5 mg/m <sup>3</sup> TWA (fume)(as Fe)
<u>Chemical Name</u>	<u>Japan ISHL</u>	<u>Japan JSOH</u>	<u>Indonesia</u>
Iron oxide pigment	N/E	4 mg/m <sup>3</sup> OEL (total dust), 1 mg/m <sup>3</sup> OEL (respirable dust)	5 mg/m <sup>3</sup> TWA (dust and fume), 10 mg/m <sup>3</sup> TWA (inhalable particulate) (as Fe)
<u>Chemical Name</u>	<u>Philippines</u>	<u>Singapore</u>	<u>Malaysia</u>
Iron oxide pigment	10 mg/m <sup>3</sup> TWA (fume)	5 mg/m <sup>3</sup> PEL (dust and fume), 10 mg/m <sup>3</sup> PEL (Rouge)(as Fe)	2 ppm TWA (dust and fume, particulate matter)

N/E=Not established (no exposure limits established for the listed substances for listed country/region/organization).

PNOS: ACGIH has recommended the following exposure limits for Particulates (insoluble or poorly soluble) not otherwise specified (PNOS): 10 mg/m<sup>3</sup> TWA (inhalable particles), 3 mg/m<sup>3</sup> TWA (respirable particles).

### Exposure controls:

**Appropriate engineering controls:** Always provide effective general and, when necessary, local exhaust ventilation to draw dust away from workers to prevent routine inhalation. Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS.

### Individual protection measures, such as personal protective equipment:

**Eye/face protection:** Wear eye protection.

**Skin and body protection:** Wear protective gloves. Use good laboratory/workplace procedures including personal protective clothing: labcoat, safety glasses and protective gloves.

**Respiratory protection:** In case of insufficient ventilation, wear suitable respiratory equipment. If inhalation of dust cannot be avoided, wear an approved particulate respirator.

**Further information:** Eyewash fountains and safety showers are recommended in the work area.

## SECTION 9: Physical and chemical properties

<b>Form:</b>	Powder	<b>pH:</b>	6-10 @ 10%
<b>Appearance:</b>	Black	<b>Relative density:</b>	4.8-5.1
<b>Odor:</b>	None	<b>Partition coefficient (n-octanol/water):</b>	Not Available
<b>Odor threshold:</b>	Not Available	<b>% Volatile by weight:</b>	0 %
<b>Solubility in water:</b>	Insoluble	<b>VOC:</b>	0%
<b>Evaporation rate:</b>	Not Available	<b>Boiling point °C:</b>	Not Applicable
<b>Vapor pressure:</b>	Not Available	<b>Boiling point °F:</b>	Not Applicable
<b>Vapor density:</b>	Not Available	<b>Flash point:</b>	Not Applicable

<b>Viscosity:</b>	Not Available	<b>Auto-ignition temperature:</b>	Not Available
<b>Melting point/Freezing point:</b>	Not Available	<b>Flammability (solid, gas):</b>	Not flammable
<b>Oxidizing properties:</b>	Not oxidizing	<b>Flammability or explosive limits:</b>	<b>LFL/LEL</b> Not Available
<b>Explosive properties:</b>	Not explosive		<b>UFL/UEL</b> Not Available
<b>Decomposition temperature:</b>	>55 °C (>131 °F)		

**Other information:** Amounts specified are typical and do not represent a specification.

## SECTION 10: Stability and reactivity

**Reactivity:** None known.

**Chemical stability:** This product is stable. IRON OXIDE: May oxidize to Fe<sub>2</sub>O<sub>3</sub> at temperatures above 55°C (131°F). May be subject to slow oxidation, generating heat, if stored at temperatures above 50°C (122°F).

**Possibility of hazardous reactions:** Hazardous polymerization will not occur.

**Conditions to avoid:** Temperatures >50°C (>122°F).

**Incompatible materials:** Avoid strong acids, bases, and oxidizing agents. IRON OXIDES: Avoid contact with hydrazine, calcium hypochlorite, carbon monoxide, powdered aluminum, peroxides.

**Hazardous decomposition products:** Oxides of iron.

## SECTION 11: Toxicological information

**Information on likely routes of exposure:**

**General:** Caution must be exercised through the prudent use of protective equipment and handling procedures to minimize exposure. Repeated and prolonged inhalation of iron oxide fumes or dust may cause a benign pneumoconiosis called siderosis.

**Eyes:** Solid particles on the eye (powder/dust) may cause pain and be accompanied by irritation.

**Skin:** Repeated or prolonged skin contact may cause irritation.

**Inhalation:** Dust inhalation may cause respiratory irritation.

**Ingestion:** Ingestion may cause irritation. Ingestion of excessive amounts of insoluble iron salts may cause gastrointestinal disturbances including symptoms such as abdominal pain, vomiting, diarrhea, seizures, acidosis and adverse effects on the liver.

**Acute toxicity information:** Not classified (based on available data, the classification criteria are not met). No toxicity studies have been conducted on this product.

<u>Chemical Name</u>	<u>Inhalation LC50</u>	<u>Species</u>	<u>Oral LD50</u>	<u>Species</u>	<u>Dermal LD50</u>	<u>Species</u>
Iron oxide pigment	N/E	N/E	>5000 mg/kg	Rat/ adult	N/E	N/E

**Skin corrosion/irritation:** Not classified (based on available data, the classification criteria are not met).

<u>Chemical Name</u>	<u>Skin irritation</u>	<u>Species</u>
Iron oxide pigment	Non-irritant	Rabbit/ adult

**Serious eye damage/irritation:** Not classified (based on available data, the classification criteria are not met).

<u>Chemical Name</u>	<u>Eye irritation</u>	<u>Species</u>
Iron oxide pigment	N/E	N/E

**Respiratory or skin sensitization:** Not classified (based on available data, the classification criteria are not met).

<u>Chemical Name</u>	<u>Skin sensitisation</u>	<u>Species</u>
Iron oxide pigment	Non-sensitizer	Guinea Pig/ adult

**Carcinogenicity:** Not classified.

**Germ cell mutagenicity:** Not classified.

**Reproductive toxicity:** Not classified.

**Specific target organ toxicity (STOT) - single exposure:** Not classified.

**Specific target organ toxicity (STOT) - repeated exposure:** Not classified.

**Aspiration hazard:** Not classified (technical impossibility to obtain the data).

**Other toxicity information:** No additional information available.

## SECTION 12: Ecological information

**Ecotoxicity:** No ecological testing has been conducted on this product.

<b>Chemical Name</b> Iron oxide pigment	<b>Fish 96 hour LC50</b> N/E	<b>Fish 96 hour LC50</b> N/E	<b>Fish Chronic NOEC</b> N/E
<b>Chemical Name</b> Iron oxide pigment	<b>Invertebrates 48 hour EC50</b> N/E	<b>Invertebrates 24 hour EC50</b> N/E	<b>Invertebrates Chronic NOEC</b> N/E
<b>Chemical Name</b> Iron oxide pigment	<b>Algae 96 hour EC50</b> N/E	<b>Algae 72 hour EC50</b> N/E	<b>Algae Chronic NOEC</b> N/E

**Persistence and degradability:** IRON OXIDE: Will not be photolyzed or hydrolyzed to any great extent.

<b>Chemical Name</b> Iron oxide pigment	<b>Biodegradation</b> Not applicable (inorganic)
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**Bioaccumulative potential:** IRON OXIDE: No appreciable bioconcentration is expected in the environment.

<b>Chemical Name</b> Iron oxide pigment	<b>Bioconcentration Factor (BCF)</b> N/E	<b>Log Kow</b> N/E
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**Mobility in soil:** IRON OXIDE: Is not expected to be mobile in soil, as it is insoluble in water.

<b>Chemical Name</b> Iron oxide pigment	<b>Mobility in soil (Koc/Kow)</b> N/E
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**Other adverse effects:** IRON OXIDE: May be harmful to plant and animal life if large quantities are released: plant leaves may become discolored.

## SECTION 13: Disposal considerations

Dispose of unused contents (incineration or landfill) in accordance with national and local regulations. Dispose of container in accordance with national and local regulations. Ensure the use of properly authorized waste management companies, where appropriate.

See Section 8 for recommendations on the use of personal protective equipment.

## SECTION 14: Transport information

The information below is provided to assist in documentation. It may supplement the information on the package. The package in your possession may carry a different version of the label depending on the date of manufacture. Depending on inner packaging quantities and packaging instructions, it may be subject to specific regulatory exceptions.

**UN number:** UN 3190

**UN proper shipping name:**

Self-heating solid, inorganic, N.O.S. (Black iron oxide)

**Transport hazard class(es):**

**U.S. DOT hazard class:** 4.2

**Canada TDG hazard class:** 4.2

**Europe ADR/RID hazard class:** 4.2

**IMDG Code (ocean) hazard class:** 4.2

**ICAO/IATA (air) hazard class:** 4.2

A "N/A" listing for the hazard class indicates the product is not regulated for transport by that regulation.

**Packing group:** III

**Environmental hazards:****Marine pollutant:** Not Applicable**Hazardous substance (USA):** Not Applicable**Special precautions for user:** Not Applicable**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:**

Not Applicable

**Notes:** Not regulated when individual shipping container is less than 450 liters (approximately 250 pounds (113 kg)).**SECTION 15: Regulatory information****Safety, health and environmental regulations specific for the product in question:****Japan regulations:****Japan Industrial Safety and Health Law:**Chemical name

Iron oxide pigment

Category

Notifiable substance, Harmful substance

**Japan Fire Service Law:**Chemical name

No subject chemicals

CategoryTQ**Japan Poisonous and Deleterious Substances:**Chemical name

No subject chemicals

CategoryThreshold**Japan Prevention of Marine Pollution and Disaster:**Chemical name

No subject chemicals

Category**Japan Chemical Substances Control Law:**Chemical name

No subject chemicals

CategoryNotes**Korean regulations:****Korea Industrial Safety and Health Act:**Chemical name

Iron oxide pigment

Category

Metals

Threshold

1%

**Korea Act on Registration and Evaluation of Chemical Substances (K-REACH) - Substances subject to registration:**

No subject chemicals

**Korea Chemical Control Act (CCA):**Chemical name

No subject chemicals

CategoryCodeThreshold**Korea Safety Control of Dangerous Substances Act (MPSS):**Chemical name

No subject chemicals

ClassThreshold**Korea Waste Control Act: Waste disposal methods must comply with local and national laws.**Chemical name

No subject chemicals

Notes**Other regulations:** No Additional Information**Chemical inventories:**RegulationStatus

Australian Inventory of Chemical Substances (AICS):

Y

Canadian Domestic Substances List (DSL):

Y

Canadian Non-Domestic Substances List (NDSL):

N

China Inventory of Existing Chemical Substances (IECSC):

Y

European Inventory of Existing Chemical Substances (EINECS):

Y

European List of Notified Chemical Substances (ELINCS):

N

Japan Existing and New Chemical Substances (ENCS):

N

Korean Existing and Evaluated Chemical Substances (KECL):

Y

New Zealand Inventory of Chemicals (NZIoC):

Y

Philippines Inventory of Chemicals and Chemical Substances (PICCS):

Y

Taiwan Inventory of Existing Chemicals:

Y

U.S. Toxic Substances Control Act (TSCA):

Y

A "Y" listing indicates all intentionally added components are either listed or are otherwise compliant with the regulation. A "N" listing indicates that for one or more

components: 1) there is no listing on the public inventory; 2) no information is available; or 3) the component has not been reviewed. A "Y" for New Zealand may mean that a qualified group standard may exist for the components in this product.

## SECTION 16: Other information

### Legend:

ACGIH: American Conference of Governmental Industrial Hygienists

N/A: Not Applicable

N/E: None Established

STEL: Short Term Exposure Limit

TWA: Time Weighted Average (exposure for 8-hour workday)

### Users Responsibility/Disclaimer of Liability:

The information set forth herein is based on our current knowledge, and is intended to describe the product solely with respect to health, safety and the environment. As such, it must not be interpreted as a guarantee of any specific property of the product. As a result, the customer shall be solely responsible for deciding whether said information is suitable and beneficial.