



Material Safety data sheet
Product: **BLACK IRON OXIDE**

Revision No. 4
Dated: 2023 11 08

MATERIAL SAFETY DATA SHEET

OXYDE DE FER NOIR –Black Iron Oxide Pigment

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Code: OXF-N-021
Product Name: Black Iron Oxide Pigment
IC Color: PB11

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

Use of the Substance/Preparation: Colouring Substance/ Pigment | Artists and Restoration Material

1.3. Details of the Supplier of the Safety Data Sheet

Company: Color Rare Ltd 105-1725 Atmec Gatineau, QC J8R 0E7
Tel/Fax: 1-613-701-5022
Email: info@terrachrom.com

1.4. Emergency Telephone No.:

Canada Contact your local Provincial Poison Centre or 911

<http://www.capcc.ca/>

Ontario: 1-800-268-9017

Quebec: 1-800-463-5060

USA American Association of Poison Control Centers 1-800-222-1222 <http://www.aapcc.org/>

SECTION 2: Hazards Identification

NOT NECESSARY

2.1. Classification of the substance or mixture

Classification according to EC Regulation 1272/2008:

This product does not require classification and labelling as hazardous according to CLP/GHS.

Classification according to EC Regulation No. 67/548 or No. 1999/45:

The material is not subject to classification according to EC lists.

SECTION 3: Composition/Information on Ingredients

Chemical Characterization: Tétraoxyde de trifer (II,III) (Fe₃O₄)

Hazardous Ingredients: NONE (Natural colorant)

CONCENTRATION OF Fe₃O₄ 94%

NUMERO CAS : 1317-61-9

NUMERO EINECS : 215-277-5

SECTION 4: First-Aid Measures

General information: No special first-aid measures required.

After inhalation: Take affected person to fresh air.

After skin contact: Wash affected skin with soap and rinse with plenty of water.

After eye contact: Flush eye with plenty of water. In case of discomfort seek medical help.

After ingestion: If swallowed, dilute with water and induce vomiting. If in doubt or if symptoms persist, consult a physician.

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing media

Non-flammable product. Use extinguishing media for surrounding fire.

5.2. Special hazards arising from the substance or mixture

Do not inhale fumes

5.3. Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation.

6.2. Environmental precautions

No special measures required. The product is not dangerous for the environment.

6.3. Methods and material for containment and cleaning up

Clean up with appropriate personal equipment.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Instructions on safe handling: Avoid formation and deposit of dust. Provide adequate ventilation.
Hygienic measures: Wash hands at the end of work. Preventive skin protection recommended.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool and dry place in well sealed packages.
Requirements for storage areas and containers: No special measures necessary.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

Parameters to be controlled (DE): TLV-TWA: 10 mg/m³

8.2. Exposure controls

Technical protective measures: Provide adequate ventilation.
General protective measures: Do not inhale dust. Do not eat, drink or smoke while working. Wash hands before breaks and at the end of work.
Respiratory protection: Respiratory protection is advisable in case of dust formation.
Hand protection: Protective gloves (EN 374)
Eye protection: Safety glasses (EN 166)

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Form: powder
Color: black
Odor: odorless
pH-Value: approx 6
Melting temperature: >1000°

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Boiling temperature: not applicable
Flash point: not combustible
Evaporation rate: not applicable
Flammability (solid, gas): non-flammable
Vapor pressure: not applicable
Vapor density: No information available.
Apparent Density: 1 g/cm³
Solubility in water: insoluble < 0.5%
Auto-ignition temperature: not applicable
Viscosity, dynamic: not applicable
Explosive properties: Product is not explosive.
Oxidizing properties: no information available
Bulk density: not determined

SECTION 10: Stability and Reactivity

10.1. Reactivity

There are no reaction risks with other substances in normal conditions of use and storage.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to avoid

None, however the usual precautions used for chemical products should be followed.

10.5. Incompatible materials

Information not available.

10.6. Hazardous decomposition products

Information not available.

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

ACUTE ORAL TOXICITY (LD₅₀ (rat) > 5 g /kg)

All chronic toxic or sensitization consequence is virtually excluded since the product is a natural earth mineral.

This product may cause serious ocular lesions, cornea opacity, iris lesions, irreversible eye coloration.

Acute effects: contact with skin may cause: irritation, erythema, edema, dryness and chapped skin. Ingestion may cause health disorders, including stomach pain, nausea and sickness.

SECTION 12: Ecological Information

The product is a natural earth mineral constituent and will not produce ecological negative effects. The product is non-biodegradable.

Use this product according to good working practices. Avoid littering. Inform your local governing authorities, should the product reach waterways or sewers.

Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

SECTION 13: Disposal Considerations

Reuse, when possible.

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

Can be eliminated in a controlled dump.

SECTION 14: Transport Information

NO RESTRICTIONS

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

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

Information not relevant



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SECTION 15: Regulatory Information

This product is not a dangerous substance according to the concerned EEC regulations.

SECTION 16: Other Information

The product is a natural earth mineral constituent.

The information contained in this document is based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is the responsibility of the user; therefore, users must, comply with the current health and safety laws and regulations. The producer is not liable for improper use of the product.