

MATERIAL SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH)

SECTION 1. PRODUCT IDENTIFICATION

- 1.1 Product identification:** OXIRED® MR11, OXIRED® MR25, OXIRED® MR50
- 1.2 Identified uses of the substance or mixture:** Relevant identified uses: Pigment. Only for professional use.
Uses advised against: Not applicable
- 1.3 Details of the supplier of the safety data sheet:** OXIDOS ROJOS DE MALAGA, S.L.
Poligono Industrial Guadalhorce
Carretera Azucarera Intelhorce Nº 15
29004 MALAGA. SPAIN.
e-mail: info@oxidos.com
- 1.4 Information and Emergency telephone:** 0034 952 310 844

SECTION 2. HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**
Classification according to directives 67/548/EC and 1999/45/EC: the product is not classified as dangerous.
Classification according to regulation No 1272/2008/EC (CLP): the product is not classified as dangerous
- 2.2 Label elements**
Classification according to directives 67/548/EC and 1999/45/EC, labeling elements are as follows:
The product is not classified as dangerous. Safety data sheet available on request
Classification according to regulation No 1272/2008/EC (CLP): See chapters 11 & 12.
- 2.3 Other hazards**
Not applicable

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

- **Description:** Pigment
- **Components.** According to Annex II of Regulation nº1907/2006/EC (point 3) the product contains:

Identification	Chemical name / classification		Concentration
CAS 1309-37-1 EC: 215-168-2 Index: Not applicable REACH: Not applicable	Diiron trioxide	Not classified	77-87
	Directives 67/548/EC	Not classified	
	Regulation 1272/2008	Not classified	
CAS: 14808-60-7 EC: 238-878-4 Index: Not applicable REACH: Not applicable	Quartz (1 %< RCS < 10%)	Auto classified	<=10
	Regulation 1272/2008	STOT RE 2: H373 – Warning 	

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SECTION 4. FIRST AID MEASURES**4.1 Description of first aid measures:****In case of inhalation**

Ensure of fresh air. Get medical attention for any breathing difficulty.

In case of skin contact

Wash exposed area with soap and water. Get medical advice if irritation develops.

In case of eye contact

Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

In case of ingestion

If large amounts were swallowed, give water to drink and get medical advice.

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

No symptoms or delayed effects.

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

Not relevant.

SECTION 5. FIRE FIGHTING MEASURES**5.1. Extinguishing media****Suitable extinguishing media**

Non-flammable product in normal storage, handling and of use. In case of inflammation caused by handling, storage or improper use, preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection installations

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

The reaction to combustion or thermal decomposition may be highly toxic and therefore represent a high health risk

5.3. Special protective equipment for fire-fighters

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

Additional information

Cool endangered containers with water spray jet. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations

SECTION 6. ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

None

6.2. Environmental precautions

Sweep or recover the product with shovels.

6.3. Methods and material for containment and cleaning up

Cleaning with water to control dust.

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6.4. Reference to other sections

None.

Additional information: see chapters 8 and 13

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Sort and store and carry out the disposal by means of safe methods (Chapter 6)
Wash hands before breaks and after work. Clean up personnel require respiratory protection. Recover uncontaminated material for use. Vacuum or sweep remaining material keeping dust to a minimum
No special measures are necessary against fire and explosion.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a tightly closed container, store in a cool, dry, ventilated area. Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product. Avoid all sources of heat, radiation, static electricity and contact with food.

7.3. Specific end use(s) Recommendation(s) for intended use

Except the information already specified, it is not necessary to follow specific recommendations concerning the use of this product

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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8.1. Control parameters

Ingredient with threshold limit values:

Diiron Trioxide & Quartz

Environmental limit values:

Diiron Trioxide 5 mg/m³

Quartz 0,01 mg/m³

DNEL (workers):

Oral: None

Skin: None

Inhalation: Short exposure, none; long exposure, 10 mg/m³

DNEL (population):

None

PNEC: None

8.2. Exposure controls

Respiratory protection :Auto filtering mask against dust particles.

Hand protection: Not necessary

Eye protection: Protective goggles

Skin protection :Not necessary

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

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Appearance:

Form: powder
Colour: red
Odor: odorless

Important health, safety and environmental information

Change in physical state: Boiling Point/Boiling Range: Not applicable.
Melting Point/Melting Range: Not applicable.
Flashpoint: Not applicable.
Flammability: Not applicable.
Ignition temperature: Not applicable.
Auto ignition: Not applicable.
Incineration properties: None.
Explosive Danger: Explosions Limits: Not applicable.
Vapour pressure, 20°C: Not applicable.
Density, 20°C: Not applicable.
Solubility: In water: Practically in every proportion miscible.
In fat: No data available.
PH: 7-8
Viscosity (Brookfield RVT 5/20), 20°C: No data available.
Solvents Partition Test: No data available.
Amount of solvent: None.

9.2. Further information:

Technical data sheet is available for more accurate information.

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SECTION 10. STABILITY AND REACTIVITY**10.1. Reactivity**

No information available.

10.2. Chemical stability

It is stable under ordinary conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reaction under normal conditions of use and storage.

10.4. Conditions to avoid

None

10.5. Incompatible materials

None

10.6. Hazardous decomposition products

Carbon monoxide, hydrazine, calcium hypochloride, performic acid, bromine pentafluoride.

SECTION 11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

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Acute toxicity

Product name	Result	Species	Dose	Remark
OXIRED - Diiron trioxide	LD50 acute oral	Rat	10000 mg/kg	-
	LD50 acute dermal			No data available
	LC50 acute inhalation			No data available

Acute toxicity estimates No data available

Irritation/corrosion

Irritability skin:	No adverse effects
Irritability eyes:	No adverse effects

Sensitization

Skin sensitization:	Not-sensitizing
Sensitization respiratory system:	Not sensitizing

Potential Chronic health effects: Not known or anticipated

Additional information: The product is to be handled with the caution usual with chemicals.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Product name	Result	Species	Dose	Remark
OXIRED - Diiron trioxide	LD50	Leuscious idus	1000 mg/L (48 h)	-
	LD50			No data available
	LC50			No data available

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12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No known significant effects or critical hazards

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Recommendations for the product: Examine possibilities for re-utilization. Product residues and uncleaned empty containers should be packaged, sealed, labeled, and disposed of or recycled according to relevant

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national and local regulations. Where large quantities are concerned, consult the supplier. When uncleaned empty containers are passed on, the recipient must be warned of any possible hazard that may be caused by residues. For disposal within the EC, the appropriate code according to the European Waste List (EWL) should be used. It is among the tasks of the polluter to assign the waste to waste codes specific to industrial sectors and processes according to the European Waste List (EWL).r.

Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

Recommendations for packaging: Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible Disposal in accordance with local regulations.

SECTION 14. TRANSPORT INFORMATION

Transport/further information

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

Special precautions for user

No information available.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

SECTION 15. REGULATORY INFORMATION

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

EU Regulation (EC) No. 1907/2006 (REACH): Annex XVII – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Not applicable

15.2 Chemical Safety Assessment

Not applicable

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SECTION 16. OTHER INFORMATION

- Our product is a *natural earth colour* with approximately 80% Ferric Oxide. It is not subject to any chemical process or manipulation apart from grinding in its natural state.

- Disclaimer: The information contained in this document is accurate to the best of our knowledge at the date of its publication. We do not suggest or guarantee that any hazards listed herein are the only ones which exist. Oxidos Rojos de Malaga makes no warranty of any kind, expressed or implied, concerning the safe use of this material in your process or combination with any other substances. User has the sole responsibility to determine the suitability of the materials for any use and the manner of use contemplated. User must meet all applicable safety and health standards.

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