



Material Safety Data Sheet

According to 91/155/EEC and ISO 11014-1 Effective Date: 2004.06.15

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RED IRON OXIDE

1. Identification of substance and of the company

Trade Name: Red Iron Oxide 110,120,130,140,160,180,186,190.

PADMAVATI EXPOCHEM PVT. LTD.

Add: 330, New Cloth Market, Above Gate No.2, O/s Raipur Gate, Ahmedabad-380002

Gujarat, India.

Tel.: +91-79-22162701

2. Composition/Data on components

Chemical characterization:

Synthetic iron oxide Fe₂O₃, C. I. Pigment Red 101, CAS. No. 1309-37-1

Dangerous components:

None

3. Hazards identification

No hazardous effects known.

The product is not a substance subject to mandatory marking in accordance with the EEC Directive 67/584/EEC or amendments.

Exposure Limit: ACGIH-TLV 5mg/CMB TWA (Iron Oxide as Fe)

OSHA STEL 10ppm (Iron Oxide as Fe)

Potential Health Effects

Eye contact: May cause mechanical irritation.

Skin contact: May cause mechanical irritation.

Ingestion: May cause irritation.

Inhalation: May cause irritation.

Chronic health hazards: Prolonged or repeated exposure to dust may cause dieresis, a benign pneumoconiosis.

Listed Carcinogen: Not considered a carcinogen by IARC, NTP, ACGIH or OSHA.

4. First Aid measures

Summary of first aid as follows:

Eyes contact: Immediately flush eyes with water for at least 15 minutes. If discomfort persists, seek medical attention.

Skin contact: Wash with soap and water. If irritation persists, seek medical attention.

Ingestion: If large quantities are ingested seek medical advice. Not a hazard under normal use conditions.

Inhalation: Move person to fresh air. Consult doctor in event of any complaints.

General: Remove contaminated clothing.

5. Fire fighting measures

Suitable extinguishing media: no restriction

Special hazards caused by the material, its combustion products or resultant gases: none

Special personal protection equipment: none

6. Accidental release

Environmental protection conduct: Do not sweep or wash into public stretches of water, sewers or sites of unknown discharge paths.

After spillage/leakage/gas leakage:

Clean up immediately with wetting or absorbent material avoiding dusting



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7. Handling and storage

Handling:

Avoid breathing dust and generation of dust. Avoid contact with eyes. Wash thoroughly after handling. Provide local exhaust ventilation to ensure dust is below exposure limits.

Protection against fire and explosion:

The product is non-flammable

Storage:

Store in roofed places at room temperature. Keep containers tightly sealed.

Flammability Class: not applicable

8. Exposure controls/personal protection

Engineering controls: Storage and utilization facilities should be equipped with accessible water. Use adequate general or local ventilation to minimize dust generation.

Personal Protective Equipment

Respirator: Dust respirator with particle filter EN 143 Type P1.

Gloves: Rubber or Plastics gloves (EN 374).

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles (EN 166).

Other precautions: Plastic apron, sleeves, boots - if handling large quantities.

9. Physical and chemical properties

Form: powder

Color: red

Odor: odorless

Flash point: not flammable

Flammable properties: The product is not flammable under standardized conditions.

Explosion risks: The product is not explosive

Vapour pressure: n.a. mbar

Density: (20°C) 5.0 g/cm³ DIN/ISO 787 part 10 B

Solubility in water: (20°C) <0,01 % DIN/ISO 787 part 3

PH-Value: (at 100 g/l H₂O) (20°C) 3.5-7 DIN/ISO 787 part 9

10. Stability and reactivity

Hazardous decomposition products

No decomposition at proper storage and application conditions

11. Toxicological Information

Based on products of a similar structure and composition:

LD50/oral/rat: > 5.0 mg/kg

Primary skin irritation/rabbit: non-irritant

Primary irritations of the mucous membrane/rabbit: non-irritant



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12. Ecological information

Avoid infiltration into waster draining or soil.

13. Disposal considerations

Product:

Dispose in accordance with federal, state and local regulations.

Waste Code No.:

Check re-use as alternative.

Contaminated packages and containers:

Emptied, but contaminated packages and containers may be recycled.

Waste Code No.: 18715 (Germany)

14. Transport information

No declaration for transport required.

15. Regulatory information

SARA 313 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.

This product does not require a hazard warning label in accordance with EC Directives.

16. Further information:

Vertical markings at left margin denote alterations of previous issue.

The information contained herein is based on the present state of our knowledge, but without liability.

Department issuing this data sheet: Product safety department