

# Material Safety Data Sheet

Date prepared: April 01, 2012

---

## 1. Identification of the Substance and the Company

Substance trade name: Synthetic Iron Oxide (110, 120, PG, 301, 225, 325, 425, 445, 446, 449 & 473 grade)

Chemical family: Inorganic Red 101 Metal Oxides

Chemical name: Iron Oxide

Manufacturer: **Golchha Oxides Pvt. Ltd**

Sector B -16 & 17, Sirgitti Ind. Area  
Bilaspur-495004, Chhattisgarh, INDIA

**Telephone:** +91-7752-261007|**Fax:** +91-7752-405962

**Mobile:** +91-9826193093|+91-9826210699

**Emergency telephone number:** +91-7752-405962

**Email:** goplbsp@gmail.com

**Website:** <http://www.golchhaoxides.com>

## 2. Composition

Substance: **Synthetic Red Iron Oxide**

Formula:  $\text{Fe}_2\text{O}_3$

% Content: 95% min

CAS Number: 1309-37-1

EC Number: 215-168-2

H S Code: 28211000

## 3. Hazards Identification

This substance is not considered to be a hazardous substance as defined under the OSHA hazard communication standard. Non-Hazardous to man and environment.

## 4. First aid measures

Skin contact: Wash affected skin with soap and water

Eye contact: Flush eyes with plenty of water for 15 minutes. If irritation develops, get medical attention

Ingestion: If swallowed, dilute with water. If gastro intestinal problems develop, get medical attention

Inhaled: Move to fresh air

## 5. Fire fighting measures

Fire and explosion hazard: Negligible fire hazard when exposed to heat or flame

Suitable extinguishing media: Extinguish using agent suitable for type of surrounding fire (Carbon Dioxide, Water Spray, Foam or Dry Chemical Powder)

Special hazards in fire: No acute hazard. Move container from fire area if possible. Avoid breathing vapors or dust

# Material Safety Data Sheet

Date prepared: April 01, 2012

---

Required special protective equipment for fire-fighters: Self contained breathing apparatus plus full protective equipment recommended

## 6. Accidental release measures

Personal precautions: Clean up with appropriate personal equipment

Methods for cleaning: Sweep up and place in suitable containers for reclamation or later disposal

## 7. Handling and storage

Handling: Avoid dust formation. If dust formation occurs, take precautionary measures against discharges

Storage: Store in a tightly sealed container, in a dry and cool place with adequate ventilation

## 8. Exposure Controls

Engineering measures: 10 mg/m<sup>3</sup> OSHA -- 5 mg/m<sup>3</sup> ACGIH

Personal protection equipment: Impervious clothing

Eye protection: Safety Goggles

Hand protection: Rubber hand gloves

Respiratory protection: Exhaust ventilation, use dust mask when package is opened

## 9. Physical and chemical properties

Appearance: Fine Powder

Odour: Odourless

pH: 5.5-6.5

Boiling point: Not applicable

Melting point: Not applicable

Flashpoint: Not applicable

Explosive properties: No data available

Vapour pressure: Not Applicable

Relative density: 4-5

Solubility: Insoluble

## 10. Stability and reactivity

Reactivity: This product is a stable compound under normal storage conditions and hazardous polymerization will not occur

Conditions to avoid: None reported

Materials to avoid: hydrazine, Calcium Hypochlorite, Performic Acid, and Bromine Pentafluoride

Hazardous decomposition products: None

# Material Safety Data Sheet

Date prepared: April 01, 2012

---

## 11. Toxicological information

Acute toxicity: Continuous inhalation may irritate the respiratory tract. Symptoms may include coughing, shortness of breath, sore throat and running nose

Local effects

Excessive exposure may affect human health as follows:

Skin contact: Continuous skin contact may cause irritation with symptoms or redness, swelling, itching tearing and pain

Eye contact: Continuous eye contact may cause irritation with symptoms or redness, swelling, itching tearing and pain

Inhalation/ingestion: May cause gastroenteritis with abdominal pain, nausea, vomiting and diaorrhea

## 12. Ecological information

The product is not water-soluble

## 13 Disposal Considerations

Consult local experts for advice on the disposal of this material. Waste disposal should be carried out according to federal, state and local regulations

## 14. Transport information

Classification data: No classification currently assigned

## 15. Regulatory information

Not applicable

## 16. Other Information

All data contained herein is based on the present state of our knowledge. All data given are in good faith but no warranty, expressed or implied, is made