

Material Safety Data Sheet

Date prepared: April 01, 2012

1. Identification of the Substance and the Company

Substance trade name: Synthetic Iron Oxide (825, 925, 1125, 4960)

Chemical family: Inorganic Yellow 42 Metal Oxides

Chemical name: Iron Oxide

Manufacturer: **Golchha Oxides Pvt. Ltd**

Sector B -16 & 17, Sirgitti Ind. Area

Bilaspur-495004, Chhattisgarh, INDIA

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

2. Composition

Substance: **Synthetic Yellow Iron Oxide**

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

% Content: 86% min

CAS Number: 51274-00-1

H S Code: 2821100000

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

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

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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/m³ OSHA -- 5 mg/m³ 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

Vapor pressure: Not Applicable

Relative density: 3.5-5

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

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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