



SAFETY DATA SHEET

5571 YELLOW IRON OXIDE

1. Identification of substance/preparation and of the company undertaking

Trade name:	Synthetic Iron Oxide Yellow
Chemical Name:	-
Synonyms:	Yellow Iron Oxide, Synthetic Yellow Iron Oxide

Relevant identified uses:

Paints, Ceramic colours, Brick stains, Concrete/cementitious applications.

Uses advised against:

None

2. Composition /information on ingredients

Component	CAS	EC No.	Weight %	Classification (67/548/EEC)	Classification (1272/2008/EC)	REACH Reg. No.
Iron Oxide	1309-37-1	215-275-4	>90	Not classified	Not classified	Exempt

3. Hazards Identification

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]	Physical and chemical hazards: Not classified Human health: Not classified Environment: Not classified
Classification according to Directive 67/548/EEC (DSD)	Not classified
Adverse physiochemical, human health and environmental effects	No additional information available
Labelling according to Regulation (EC) No. 1272/2008 (CLP)	No pictogram required.
Other hazards:	This substance/mixture does not meet the PBT criteria of REACH, annex XIII.

4. First Aid Measures

Inhalation	Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly. Get medical attention if any discomfort continues.
Eyes	Make sure to remove contact lenses from the eyes before rinsing. Rinse eye



	with water immediately. Get medical attention if any discomfort continues.
Skin	Wash skin with soap and water. Get medical attention if irritation persists after washing.

Most important symptoms and effects, both acute and delayed:

Eye contact:	No specific symptoms noted.
Inhalation:	No specific symptoms noted.
Skin contact:	No specific symptoms noted.
Ingestion:	No specific symptoms noted.

Indication of any immediate medical attention and special treatment needed:

Notes to physician:	Treat symptomatically. .
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5. Fire Fighting Hazards

Extinguishing media	Powder, CO ₂ , Sand.
Fire Hazard	Not flammable
Explosion Hazard	No explosive properties known.
Reactivity	Stable under normal conditions of handling and storage
Protection during firefighting	No specific firefighting procedures given.

6. Accidental Release Measure

General measures	Keep public away from danger area. See Section 8
Environmental precautions	Prevent entry to sewers and soil. Notify authorities if product enters sewers or public waters.
Methods and material for containment and cleaning up	Sweep or shovel spills into appropriate container for disposal. Avoid dust production.

7. Handling & Storage

Handling	Do not breathe dust. Wash hands plentifully and other exposed areas with water after handling. Remove contaminated clothing and shoes. Wash clothing before re-using.
Packaging	Even those that have been emptied, will retain product residue. Always obey safety warnings and handle empty packaging as if they were full. Avoid contact with this substance.
Hygiene measures	When using do not eat, drink or smoke. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Remove contaminated clothing and shoes.
Storage conditions	Store in a dry, cool, well-ventilated area. Keep away from food, drink and animal feeding stuffs.



8. Exposure Control/Personal Protection

Occupational exposure limits	Chemical Name: Iron Oxide STD – Workplace Exposure Limit. STEL: 10mg/m ³ 15 minutes. (STEL Fe fume) TWA: 5mg/m ³ 8 hours.
Appropriate engineering controls	Use as far as possible in a closed system. Provide a regular control of the atmosphere. Emergency eye wash foundations and safety showers should be available in the immediate vicinity of any potential exposure. Local exhaust and general ventilation must be adequate to meet exposure standards. Please refer to the annex (exposure scenarios).

Individual protection measures, such as personal protective equipment:

Eye/face protection:	Wear safety glasses with side shields according EN 166.
Hand protection:	Use gloves resistant to chemical products corresponding to EN 374:3. Take advice to gloves' manufacturer.
Skin and body protection:	Wear closed protective clothing.
Respiratory protection:	Use respiratory protection mask according to EN 140 or EN 405 with filter type P3 according to EN 143:2000 or FFP3 according to EN 149:2001.
Environmental Exposure Controls:	Avoid release to the environment.

9. Physical & Chemical Properties

Physical state	Fine powder
Colour	Yellow
Odour	Odourless
Odour threshold	Not applicable
pH	Neutral
Relative evaporation rate	No data available
Melting point (°C)	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	Not flammable
Self-ignition temperature	Not applicable
Decomposition temperature	No data available
Flammability (solid, gas)	Not flammable
Vapour pressure	Negligible
Relative vapour density at 20°C	No data available
Relative density	No data available
Density	No data available
Solubility	Insoluble in water
Log Pow	Not applicable
Log Kow	Not applicable
Viscosity, kinematic	Not applicable



Viscosity, dynamic	Not applicable
Explosive properties	Not explosive
Oxidising properties	Non oxidising material according to EC criteria.
Exposure limits	Not applicable

10. Stability & Reactivity

Reactivity	No specific reactivity hazards associated with this product.
Chemical stability	Stable under normal conditions of handling and storage.
Possibility of hazardous reactions	Not relevant.
Conditions to avoid	No specific conditions are likely to result in a hazardous situation.
Incompatible materials	No specific, or groups of materials, are likely to react to produce a hazardous situation.
Hazardous decomposition products	None under normal circumstances.

11. Toxicological Information

Acute toxicology	Acute toxicity (Oral LD50): Rat >5,000mg/kg Acute toxicity (Dermal LD50): Not relevant Acute toxicity (Inhalation LD50): Rat >210mg/m ³ . Exposure 2 weeks
Inhalation	Dust in high concentrations may irritate the respiratory system.
Ingestion	May cause discomfort if swallowed
Skin contact	Powder may irritate skin
Eye contact	Particles in the eyes may cause irritation and smarting.

12. Ecological Information

Acute fish toxicity	Not considered toxic to fish.
Persistence and degradability	This product is readily biodegradable
Bioaccumulative potential	This product is not bio accumulating.
Mobility in soil	Not relevant, due to the form of the product.
Results of PBT and vPvB assessment	This substance/mixture does not meet the PBT or vPvB criteria of REACH, annex XIII.
Other adverse effects	None known.

13. Disposal Considerations

Waste treatment methods	Dispose of this material and residues in accordance with local authority requirements.
Additional information	Empty packaging can have residues or dusts and are subject to proper waste disposal, as above.
Ecology – waste materials	See European waste catalogue.



14. Transport Information

UN/SI No	This product is not covered by international regulation on transport of dangerous goods (IMDB, IATA, ADR/RID).
UN proper shipping name	Not classified for transportation.
Transport hazard classes	Not classified for transportation.
Packing group	Not classified for transportation.
Environmental hazards	Other information: No environmental hazards known with this product.
Special precautions for user	Not classified for transportation.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture	Approved code of practice: Classification and labelling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations. Guidance notes: Workplace Exposure Limits EH40.
Chemical safety assessment	Not applicable. No chemical safety assessment has been carried out.

16. Other Information

Training advice:

None.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. Any chemical product may be handled in safe conditions if its physiochemical and toxicological properties are known, and technical methods and appropriate organising measure are used, as well as adequate personal protective equipment.