



Material Safety Data Sheet (MSDS)

IRON OXIDE YELLOW

1. Identification of substance and of the company

Trade Name: IRON OXIDE YELLOW

2. Composition/Data on components

Chemical characterization:

Synthetic Iron Oxide $\text{Fe}_2\text{O}_3 \cdot \text{H}_2\text{O}$ (α - FeOOH), C. I. Pigment

Yellow 42

CAS No: 51274-00-1

Einecs No: 243-746-4

Dangerous : 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.

4. First Aid measures

After inhaling: Supply fresh air

After eye contact: Flush with plenty of pressure water for 15 mins., occasionally raising eye lids.

After skin contact: Wash skin with mild soap and water

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.

7. Handling and storage

Handling :

Usual precautions for nuisance dust should be observed.

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



Material Safety Data Sheet (MSDS)

IRON OXIDE YELLOW

Additional notes for design of plant

equipment: No further details, see sec. 7

Components with workplace-related limits to be monitored:

Designation	%	Type of data	Unit
Nuisance dust	100	MAK	6 mg/m ³
		TLV/TWA(USA)	10 mg/m ³

Personal protection

equipment: Respiratory

protection:

An appropriatedustfilterhas to be used if a breathable dust is liberated.

9. Physical and chemical properties

form: powder

colour: yellow

odour:

odourless

Value/Area Unit

Method Change in physical state

Thermal Decomposition:

n.a.

°C

Lit.

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

Den si ty: (200C)

4.1

g/cm³

DIN/ISO787part10

Solubility in water: (200C)

<0.3

%

DIN/ISO787part3

pH-Value: (at100g/IH₂O)

(200C)

ca.3-7

DIN/ISO787part9

10. Stability and reactivity

Hazardous decomposition products

Nodecompositionatproperstorageand application

conditions

11. Toxicological information

Because of experiences with the product mentioned, there are no recognizable hazards for human beings, If it is correctly used and applied.

12. Ecological information

Avoid infiltration into waster drainings or soil.

13. Disposal considerations

Product:

Waste Code No.:

Check re-use as alternative.

Contaminated packages and

containers:

Emptied, but contaminated packages and containers may be recycled. **WasteCode No.:** 18715(Germany)

14. Transport information

International:

Landtransport: ADR/RID/GGVS/GGVE: Not Regulated

Seatransport: IMDG/GGVSeeUN-No.: Not Regulated

Airtransport: ICAO/IATAUN/ID-No.: Not Regulated

U.S. D.O.T.CLASSIFICATION: Not Regulated

CANADA Transportofdangerousgoods: Not Regulated

DOT Shipping Name:None

Technical Shipping Name:Inorganic Oxide



Material Safety Data Sheet (MSDS)

IRON OXIDE YELLOW

DOT Hazardous Classification: Non-Regulated. This product is not classed as a dangerous substance under the Classification, Packaging and Labeling of Dangerous Goods Act.

DOT Hazard Class: Non- Regulated. **DOT Identification**

Number: None **DOT Labels**

required: None

DOT Placards required: None. No specific transportation precautions required.

UN Class:None.

15. Regulatory information

The product is not a substance subject to mandatory marking in accordance with the EEC Directive 67/548/EEC or amendments.

Water risk class: WGK 0 (Self-assessment, acc. to §§7a 19,19a-1 of German Water Utilization Act (WHG))

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