

Material Safety Data Sheet (MSDS)

IRON OXIDE ORANGE

1. Identification of substance and of the company

Trade Name: IRON OXIDE ORANGE

2. Composition/Data on components

Chemical characterization:

SyntheticIronOxide $\text{Fe}^{\text{III}}\text{O} \cdot \text{H}_2\text{O}$ ($\alpha\text{-FeOOH}$) combination of C. I. Pigment 77491 & 77492

CAS. No. 51274-00-1 & 1309-37-1

H.S CODE: 2821.1000

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.

4. First Aidmeasures

After inhaling: Supply fresh air

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

After skincontact: Wash skin with mild soap and water

5.Fire fightingmeasures

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

Additional notes for design of plant equipment:

No further details, see sec. 7

Components with workplace-related limits to be monitored:

Designation	%	Typeofdata	Unit
Nuisance dust	100	MAK	6 mg/m ³
Personal protection equipment:		TLV/TWA(USA)	10 mg/m ³

Respiratory protection:

An appropriate dust filter has to be used if a breathable dust is liberated.

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9. Physical and chemical properties

form: Powder
colour: O range
odour: odourless

Change in physical state

Value/Area	Unit	Method
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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

Density:

(20°C)

4,1

g/cm³

DIN/ISO 787 part 10 B

Solubility in water:

(20°C)

<0,5

%

DIN/ISO 787 part 3

pH-Value: (at 100g/lHO) ²

(20°C)

ca.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

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:

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

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