

# Material Safety Data Sheet (MSDS)

## IRON OXIDE BROWN

### 1. Identification of substance and of the company

**Trade Name:** IRON OXIDE BROWN

### 2. Composition/Data on components

#### Chemical characterization:

discharge paths.

Synthetic Iron Oxide: Mixture of  $\text{Fe}_2\text{O}_3 \cdot \alpha\text{H}_2\text{O}$ ,  $\text{Fe}_2\text{O}_3 \cdot \text{H}_2\text{O}$  and  $\text{Fe}_3\text{O}_4$ , combination of C. I. Pigment 77491, 77492 and 77499

CAS No: 1309-37-1 EINECS No: 215-168-2

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

**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                           | %   | Type of data | Unit                 |
|---------------------------------------|-----|--------------|----------------------|
| Nuisance dust                         | 100 | MAK          | 6 mg/m <sup>3</sup>  |
| <b>Personal protection equipment:</b> |     | TLV/TWA(USA) | 10 mg/m <sup>3</sup> |

#### Respiratory protection:

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

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### Trade name: Iron Oxide Orange

#### 9. Physical and chemical properties

form: Powder  
colour: Brown  
odour: odourless

#### Change in physical state

##### Thermal Decomposition:

| Value/Area | Unit | Method |
|------------|------|--------|
| 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) 5.0 g/cm<sup>3</sup> DIN/ISO 787 part 10 B

Solubility in water: (20°C) <0,5 % DIN/ISO 787 part 3

pH-Value: (at100g/lHO) <sup>2</sup> (20°C) ca.3.5~7 DIN/ISO 787 part 9

#### Stability and reactivity

#### 10. Hazardous decomposition products

No decomposition at proper storage and application conditions

#### Toxicological Information

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

#### 12. Ecological informations

Avoid infiltration into waster drainings or soil.

#### Disposal considerations

#### 13. 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)

#### Transport information

14. 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