



# Material Safety Data Sheet

According to 91/155/EEC and ISO 11014-1

## IRON OXIDE RED DB110



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

**Trade Name : Iron Oxide Red DB110**  
CONCRETO COLOREADO S.A  
Apdo 247-6100, Ciudad Colón, Costa Rica  
Tel (506) 249-1707 Fax (506) 249.0706

2. **Composition / Data on components**

**Chemical Characterization:**  
Synthetic iron oxide Fe<sub>2</sub>O<sub>3</sub>. α H<sub>2</sub>O C.I: Pigment RED 101, CAS N° 1309-37-1  
**Dangerous components:** none

3. **Hazard 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-flamable  
**Storage:** store in roofed places at room temperature. Keep containers tightly sealed.  
**Flammability Class:** not applicable

8. **Exposure control/personal protection**

**Additional notes for design of plant equipment:** No further detail, 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>
		TLV/TWA (USA)	10 mg/m <sup>3</sup>

**Personal protection equipment:**  
**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: red

odour: odourless

**Change in physical state**

**Thermal decomposition:** N.A.

**Flash point:** not flammable

**Flammable properties:** the product is not flammable under standardized conditions.

**Explosion risk:** the product is not explosive

**Vapor pressure:** N.A.

**Density:** (20°C) 4,1 g/cm<sup>3</sup> DIN/ISO 787 part 10B

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

**pH-value:** (at 100g/l H<sub>2</sub>O) (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 experience 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 water drainings or soil.

### 13. Disposal considerations

**Product:** Dispose in accordance with federal, state and local regulations.

**Waste Code N°:** Check re-use as alternative.

**Contaminated packages and containers:** emptied, but contaminated packages and containers may be recycled.

**Waste Code N°:** 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-assesment, acc. To 7a 17, 19a1, 19a-1 of Germany Water Utilization Act WHG)

### 16. Further information

Vertical marking 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