

## **IRON OXIDE BLACK**

### **1 IDENTIFICATION OF THE PRODUCT AND THE COMPANY**

#### **1.1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION:**

**Trade Name:** IRON OXIDE BLACK 318

#### **1.2 IDENTIFICATION OF THE COMPANY:**

RAR Resin & Chemical Industries JLT  
11th Floor, Jumeirah Lake Towers, P.O. Box: 47381, Dubai UAE  
Tel: +971 4 4356516 / +971 4 4356517 Email: info@rarresin.com  
Fax: +971 4 4356518 Website: www.rarresin.com

### **2 COMPOSITION / DATA ON COMPONENTS**

**Chemical Characterization:** Synthetic iron oxide Fe<sub>3</sub>O<sub>4</sub>, C.I. Pigment BLACK 11, 1317-61-9  
**CAS No:** 1317-61-9  
**EINECS:** 215-277-5  
**Dangerous:** none

### **3 HAZARD IDENTIFICATION**

No hazardous effects known.

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

### **4 FIRST AID MEASURES**

**After inhalation:** Supply fresh air  
**After eye contact:** Flush with plenty of pressure water for 15 mins, occasionally raising eyelids.  
**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 protective Equipment:** None

### **6 ACCIDENTAL RELEASE MEASURES**

**Environmental protection conduct:** Do not sweep or wash in 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.

#### **DISCLAIMER**

This information contained in the data sheet is to the best of our knowledge correct and up to date. Under well-defined conditions. Its accuracy or suitability under the actual conditions of any independent use is not guaranteed and must be determined by the user. All advice given about this product is given in good faith. Since as we have no control over conditions of substrate, manufacturer and seller cannot accept any liability in connection with the use of the product relative to coverage, performance, injury, or damage, unless we specify in writing to do so. The information in this data sheet is subject to change without prior notice and it is the user responsibility to ensure it is current. For further information and advice please contact RAR RESIN Technical Service Department.

## 7 HANDLING AND STORAGE

**Handling:** Usual precautions for nuisance dust should be observed.  
**Protection against Fire & explosion:** The product is non-flammable  
**Storage:** Store in roofed places at room temperature. Keep containers tightly sealed.  
**Flammability:** Not applicable.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

**Additional notes for design of plant equipment:** No further details See section 7

**Components with workplace related limits to be monitored**

Designation	%	Type of Data	Unit
Nuisance dust	100	MAK TLV / TWA	6 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>

### Personal Protection Equipment

**Respiratory protection:** An appropriate dust filter has to be used if a breathable dust occur.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

**Form:** Powder

**Colour:** Black

**Odour:** Odourless

**Change in physical state:**

**Value / Area** **Unit** **Method**

**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:** (200) 4.6 g/cm<sup>3</sup> DIN/ISO 787 Part 10 B

**Solubility in water:** (200) <0.5 % DIN/ISO 787 Part 3

**pH-Value:** (at 100 g / l H<sub>2</sub>O) (200C) ca.5-8 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)

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#### 14 TRANSPORT INFORMATION

**International:**

**Land transport:** ADR/RID/GGVS/GGVE: Not Regulated

**Sea transport:** IMDG/GGV See UN-No: Not Regulated

**Air transport:** ICAO/IATA UN/ID-No.: Not Regulated

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

**DOT Shipping Name:** None

**Technical Shipping Name:** Inorganic Oxide

**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