

IRON OXIDE BROWN

1 IDENTIFICATION OF THE PRODUCT AND THE COMPANY

1.1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION:

Trade Name: IRON OXIDE BROWN 610

1.2 IDENTIFICATION OF THE COMPANY:

RAR Resin & Chemical Industries JLT
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2 COMPOSITION / DATA ON COMPONENTS

Chemical Characterization: Synthetic iron oxide: Mixture of $Fe_2O_3 \cdot nH_2O$ and Fe_3O_4 , combination of C.I. Pigment 77491, 77492 and 77499
CAS No: 1309-37-1, 20344-49-4 and 1317-61-9
EINECS: 215-168-2, 243-746-4, 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 resultants 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 Class:	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 ³ 10 mg/m ³

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: Brown

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: (200C) 4.4 ~ 4.8 kg/l DIN/ISO 787 Part 10 B

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

pH-Value: (at 100 g / l H₂O) (200C) 4 ~ 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)

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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