



ARIHANT CHEMICAL CORPORATION & J.J ENTERPRISE

For paints / inks / plastic / Rubber industries Raw material available with us under self import / Manufacturing / Trading.

Safety Data Sheet :- Black Oxide

Date of Issue: Feb 25, 2002 Page 1 of 3

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

BAYFERROX –Black oxide

Arihant Chemical Corporation.

24/5, Krishna kunj bldg, behind arora

Arora cinema, opp. Sahakari bhandar

Sewari wadala road, Matunga (C.R) Mumbai- 40019.

CELLULAR:-9820142066 – 9029042066

info@arihantchemcorp.com or nilesh@arihantchemcorp.com

2. Composition/information on ingredients

C.I. Pigment black 11 Fe_3O_4 , CAS No.: [1317-61-9]

3. Hazards identification

Hazard warning not required.

4. First-aid measures

In case of eye contact rinse with plenty of water. If irritation of the eyes persists, consult a doctor (ophthalmologist).

5. Fire-fighting measures

Extinguishing media: No restriction in fire situations.

6. Accidental release measures

Take up avoiding formation of dust.

7. Handling and storage

Storage: Store in a cool, dry place.

VCI storage class: 13

Protection against fire and explosion: No special measures required.

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Administration /correspondence Office :- Plot No. 319, Room No.3, Ranchoddas Terrace building ,sir Bhalchandra Road, opp Hira House, Near Chhatre Maternity Hospital, Matunga (C.R) Mumbai – 400019 Tel :- +91 22 24148378 / 24146390

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8. Exposure controls/Personal protection

For exposure controls see Chapter 15.

Eye protection: goggles

Respiratory protection: dust-protection mask if the MAK value is exceeded.

When handling observe the usual precautionary measures for dust-forming products.

9. Physical and chemical properties tested in accordance with

Form: powdery

Colour: black

Odour: odourless

Melting point: > 1000 °C

Density: approx. 4.5 g/cm³ at 20 °C DIN ISO 787/10

Bulk density: 600-800 kg/m³ at 20 °C

Vapour pressure: not applicable

Viscosity: not applicable

Solubility in water: insoluble

pH Value: 4-8 at 50 g/l water in aqueous suspension

DIN ISO 787/9

Flash point: not applicable

in accordance with the EU Directives (gb) 000040

Ignition temperature: not applicable

Explosive limits: not applicable

10. Stability and reactivity

Thermal decomposition: From approx. 80 °C conversion into Fe₂O₃.

Hazardous decomposition products: No hazardous decomposition products observed.

Hazardous reactions: No hazardous reactions observed.

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11. Toxicological information

Toxicological tests on chemically identical products yielded the following results:

LD₅₀ oral, rat: > 5000 mg/kg

Rabbit skin (24h): non-irritant

Rabbit eyes: non-irritant

According to the present state of knowledge Bayferrox pigments are physiologically harmless; under extreme conditions, however, mechanical action arising from eye contact (action of dust) may cause slight temporary irritation of the mucosa.

12. Ecological information

Ecotoxicological tests on chemically identical products yielded the following results:

Acute fish toxicity: Golden orfe (*Leuciscus idus*) LCo: > 1000 mg/l

Acute bacterial toxicity:

No harmful effect on *Pseudomonas putida*: > 1000 mg/l

As the product is practically insoluble in water, it is separated in almost any filtration and sedimentation process.

Water pollution class (WGK): 0 – not generally hazardous to water

WGK = Classification in accordance with the German Water Resources Act.

***13. Disposal considerations**

Examine possibilities for re-utilization.

May be disposed of in approved landfills provided local regulations are observed.

Return large quantities to manufacturer.

European Waste Catalogue (EWC) code: 061199/060401

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14. Transport information

GGVSee/IMDG Code: -- UN No.: -- MFAG: -- EmS: --

PG: -- MPO: --

GGVE/GGVS: Class -- No. -- RID/ADR: Class -- No. --

ADNR: Class -- No. -- Cat -- ICAO/IATA-DGR: not restr.

Declaration for land shipment: --

Declaration for sea shipment: --

Declaration for shipment by air: --

in accordance with the EU Directives (gb) 000040

Other information:

Not dangerous cargo. Keep separated from foodstuffs.

***15. Regulatory information**

No labelling is required in accordance with the EEC directives.

MAK value: 6 mg/m³, measured as the alveolar aerosol content.

***16. Other information**

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.

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