



## ARIHANT CHEMICAL CORPORATION & J.J ENTERPRISE

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



### Product Specification – Black Oxide

**762818/01**

Date of Issue: Feb 25, 2002

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

**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](mailto:info@arihantchemcorp.com) or [nilesh@arihantchemcorp.com](mailto:nilesh@arihantchemcorp.com)

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**1. Composition/information on ingredients**

C.I. Pigment black 11  $\text{Fe}_3\text{O}_4$ , CAS No.: [1317-61-9]

**2. Hazards identification** Hazard warning not required.

**3. First-aid measures**

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

**4. Fire-fighting measures**

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Extinguishing media: No restriction in fire situations.

**5. Accidental release measures**

Take up avoiding formation of dust.

**6. 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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**Mob :- MR NILESH MEHTA +91 9820142066 / +91 8850378208/+91 9029042066**

**Email Id :- [info@arihantchemcorp.com](mailto:info@arihantchemcorp.com), or [nilesh@arihantchemcorp.com](mailto:nilesh@arihantchemcorp.com)**



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**7. 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/cm <sup>3</sup>             | at 20 °C | DIN ISO 787/10 |
| Bulk density:        | 600-800 kg/m <sup>3</sup>                 | 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 |          |                |
| Flash point:         | not applicable                            |          | DIN ISO 787/9  |

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 Fe<sub>2</sub>O<sub>3</sub>.

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:

LD<sub>50</sub> oral, rat: > 5000 mg/kg

Rabbit skin (24h): non-irritant

Rabbit eyes: non-irritant

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

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#### **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.

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#### \*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

MPO -

No. -

Cat -

ADNR: Class --

Declaration for land shipment: --

Declaration for sea shipment: --

Declaration for shipment by air: --

in accordance with the EU Directives

Energizing Chemistry

Other information:

Not dangerous cargo. Keep separated from foodstuffs.

#### \*15. Regulatory information

No labelling is required in accordance with the EEC directives.

MAK value:  $6 \text{ mg/m}^3$ , 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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