

## MATERIAL SAFETY DATA SHEET

according to 91/155/EEC  
Date / revised: 09.05.1996 version 3.00  
Product: Black Oxide of Iron

# Ferric Oxide 77499

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### 1. Substance/preparation and company name

#### Black Oxide of Iron 77499

Company:

Kolorsource, Scottsdale, Arizona

Emergency information:

Tel 808/263-3227

### 2. Composition/information on ingredients

I Chemical nature

I Iron oxide black

I CI Pigment Black 11

I CI 77499

I CAS\_No. 12227\_89\_3 EINECS\_No. 235\_442\_5

I CAS\_No. 1317\_61\_9 EINECS\_No. 215\_277\_5

### 3. Possible hazards

Critical hazards to man and the environment: none

### 4. First aid measures

I No special measures necessary.

### 5. Fire fighting measures

Suitable extinguishing media: water, foam, dry extinguishing media,  
carbon dioxide (CO<sub>2</sub>)

I Special protective equipment: Not necessary.

Further information: Dispose of fire debris and contaminated  
extinguishing water in accordance with local regulations.

### 6. Accidental release measures

I Personal precautions: If breathable dust is formed: dust mask

I Environmental precautions: No special measures necessary provided  
I product is used correctly.

I Methods for cleaning up: Sweep/shovel up. Avoid dust formation.

## 7. Handling and storage

### Handling

- Protection against fire and explosion: Avoid dust formation. Handle in accordance with good industrial hygiene and safety practice.
- Technical protective measures: Breathing must be protected when large quantities are decanted without local exhaust ventilation (dust mask).

### Storage

Keep tightly closed in a dry and cool place.

## 8. Exposure controls and personal protection

Additional information on the lay\_out of technical plant ( see 7 )

Components with workplace control parameters

Observe MAK value for inert dust: 6 mg/m<sup>3</sup>

Personal protective equipment

Respiratory protection: If breathable dust is formed: dust mask

General safety and hygiene measures: The usual precautions for the handling of chemicals must be observed.

## 9. Physical and chemical properties

Form: powder

Colour: black

Odour: odourless

Change in physical state

Melting point/melting range: >1000 °C

Density: (20 °C) 4.9 g/cm<sup>3</sup> (approx.)

Bulk density: 440 kg/m<sup>3</sup> (approx.)

Solubility in water: sparingly soluble

pH value: neutral

## 10. Stability and reactivity

Thermal decomposition: >120 °C

Hazardous reactions: none

Hazardous decomposition products: none

## 11. Toxicological information

Acute toxicity

LD50/oral/rat: >2000 mg/kg

Primary skin irritation/rabbit/: non\_irritant

Primary mucous membrane irritation/rabbits' eyes/: non\_irritant

## 12. Ecological information

Elimination information

The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

Behaviour and environmental fate

Inhibition of degradation activity in activated sludge is not to be

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anticipated during correct introduction of low concentrations.

| Ecotoxic effects

| No negative ecotoxic effects may be expected according to the present state of our knowledge.

| Further ecological information

| No negative ecological effects are expected according to the present state of knowledge.

**13. Disposal considerations**

Product: Must be disposed of by special means, e.g. suitable dumping in accordance with local regulations.

**14. Transport information**

Not classified as hazardous under transport regulations.

**15. Regulatory information**

Labelling according to EEC Directives

Not subject to labelling.

| National legislation/regulations

| Water hazard class: WGK 0 (Germany) (self\_classification)

**16. Other information**

A backslash in the left hand margin indicates an amendment from the previous version.

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties.

Recipients of our product must take responsibility for observing existing laws and regulations.