

MSDS Iron Oxide Black Material Safety Data Sheet

Date of issue – January 2008

Product and Company Identification

Product group:	Iron Oxide Black
Product code(s):	PJ 318
Used for:	Colouring of construction products
Supplier name:	PJ Colours Ltd, Excelsior Works, Castle Park, Flint CH6 5NT
Email:	sales@pjcolours.com
Emergency telephone:	+44 (0)1352 732157 (office hours)

Hazard Identification

The product is not classified as a dangerous substance according to EU Directive 67/548/EEC and its various amendments and adaptations. The product is in the form of a dry, coloured powder and so can present a dust hazard. It has strong pigmenting capability with the associated risk of environmental nuisance if spilled.

Composition

Synthetic inorganic oxide substance
Iron Oxide Fe₃O₄ - Magnetite
CAS Number: 1317-61-9

First Aid Measures

Eye contact: Immediately rinse with plenty of water and seek medical attention if any irritation persists.
Skin contact: Wash with soap and water, avoiding excessive abrasion.
Inhalation: Move from contaminated area into fresh air.
Ingestion: Seek medical advice if large quantity ingested.

Fire Fighting Measures

Product will not support combustion and is not explosive. Foam, CO₂ and water may be used depending on the nature of the surrounding fire. Normal precautions to prevent pollution from water used in fire fighting should be observed.

Accidental Release Measures

Any spillages should be handled with due regard to the size and nature of the incident. Spilled material should be contained and removed (preferably by vacuum) in order to prevent contamination of air, soil or water courses. If the material enters a watercourse or sewer, the appropriate water authority must be informed.

Handling and Storage

The product should be handled in such a way as to avoid breathing the dust or getting it in contact with the eyes or skin. Store the product in a cool, dry place and away from locations where damage to the packaging may occur.

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Exposure Controls and Personal Protection

Wear gloves, eye protection, protective clothing and a suitable dust mask if the Workplace Exposure Limit cannot be achieved by practicable dust control measures.

WEL (8 hours) 10mg/m³ – Inhalable

WEL (8 hours) 4mg/m³ - Respirable

Physical and Chemical Properties

The product is an odourless black coloured powder with strong pigmenting power.

pH in 5%w/w concentration 4 to 8

Bulk Density 1500 kg/m³

Melting point > 1000°C

Solubility Insoluble in water

Stability and Reactivity

Stable under normal conditions of use.

No hazardous materials are produced upon decomposition.

Toxicological Information

Non-toxic.

LD50 (rat, oral) > 5000 mg/kg

Ecological Information

Not readily biodegradable.

Acute LC50 (fish) >1000mg/l

Disposal

At an authorised landfill site in accordance with Local or National Government Regulations.

Not classified as hazardous waste.

Transport Information

Not classified as hazardous for transport purposes.

Regulatory Information

Not classified

Other Information

This document does not constitute a product specification sheet and the data given above does not constitute any warranty regarding properties or performance. This Material Safety Data Sheet does not replace the users own workplace risk assessment.