

SAFETY DATA SHEET

125 Yellow Iron Oxide

Date: 12/2021

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1 IDENTIFICATION OF SUBSTANCE

1.1 Product Identifier:

Identification on the label/ Trade name: 125 Yellow Iron Oxide

1.2 Relevant Identified uses of the substance and uses advised against:

1.2.1 Identified uses:

Pigment for the coloration of: paint, paper, plastics and construction material.

1.2.2 Uses advised against:

Not available

1.3 Details of the Supplier of the material safety data sheet:

J. Allcock & Sons Ltd.,
Textile Street,
West Gorton,
Manchester,
M12 5DL.

Email: ja@allcocks.co.uk
Tel: +44 (0)161 223 7181
Fax: + 44 (0)161 223 0173

1.4 Emergency telephone number

(0)161 223 7181

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

2.1.1 Classification:

REGULATION (EC) No 1272/2008(CLP).

2.1.2 The most important adverse effects:

2.1.2.1 The most important adverse physicochemical effects:

Not available.

2.1.2.2 The most important adverse human health effects:

Skin contact may cause irritation due to mechanical action on sensitive skin. Eye contact causes irritation due to mechanical action and secretion of tears. Inhalation causes coughing, sneezing and respiratory problems. Ingestion may cause stomach ache, vomiting and diarrhoea.

2.1.2.3 The most important adverse environmental effects:

Not applicable.

2.2 Label Elements:

Hazard Pictograms:

None.

Signal Word(s):

None.

Hazard Statement:

None.

Precautionary statement:

None.

2.3 Other hazards

Not available.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

Substance Name	CAS#	% by weight	REACH No.	Classification
Fe ₂ O ₃	20344-49-4	Min 81	N/A	N/A
SiO ₂	N/A	Min 0.1	N/A	N/A
Al ₂ O ₃	N/A	Min 0.05	N/A	N/A

4 FIRST-AID MEASURES

4.1 Description of first aid measures:

4.1.1 In case of inhalation:

Remove from exposure.

4.1.2 In case of skin contact:

Wash thoroughly with soap & water.

4.1.3 In case of eyes contact:

Immediately flush out with copious quantities of water particularly under eyelid.

4.1.4 In case of ingestion:

If large quantities are ingested, seek qualified medical advice. If any symptoms persist, seek qualified medical advice.

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5 FIRE-FIGHTING MEASURES

5.1 Extinguishing Media:

5.1.1 Suitable extinguishing media:

This substance is non-flammable, use media appropriate to surrounding fire

5.1.2 Unsuitable extinguishing media:

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel:

Use RPE of sufficiently high standard to prevent exposure in excess of occupational exposure limits. Operatives should use personal protection equipment, i.e. eye protection, appropriate respiratory equipment and gloves.

6.1.2 For emergency responders:

Not applicable.

6.2 Environmental precautions:

Not applicable.

6.3 Methods of containment and cleaning up:

Collect spillage by vacuum and reclaim, or dispose of as normal refuse.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling:

7.1.1 Protective measures:

Eye protection, gloves & appropriate RPE.

7.1.2 Advice on general occupational hygiene:

Maintain good standards of hygiene and work practices.

7.2 Conditions for safe storage, including any incompatibilities:

Store undercover, away from heat and moisture.

Storage class: Not available.

8 EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters:

Not available.

8.2 Exposure controls:

8.2.1 Individual protection measures:

General:

Provide adequate ventilation. Where reasonably practicable, this should be achieved by containment at source, local exhaust ventilation and good general extraction. Where these methods are not sufficient to maintain concentrations of particulates below the relevant exposure limits, the following precautions should be taken.

Eye/face protection:

Goggles should be worn and eyewash facilities provided where necessary.

Hand protection:

Wear gloves.

Body protection:

Wear overalls.

Respiratory protection:

Suitable respiratory protection to be worn

8.2.2 Exposure limits:

TWA :	Total dust:	10mg/m ³
	Respirable fraction:	5mg/m ³
OSHA PEL -	Dust and fume:	TWA : 10mg (Fe)/m ³ ;
	Rouge:	TWA: Total dust 10mg/m ³
	Respirable fraction:	5mg/m ³
ACGIH TLV;	TWA 5mg (Fe)/m ³	

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DFG MAK: 6mg/m³ calculated as fine dust
NIOSH REL: (Iron oxide, Dust and Fume): TWA 5mg/m³

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance:		Powder, dust
Physical state:		Solid
Colour:		Yellow
Odour:		Odourless
pH:		4.5-7.0
Melting point/range (°C):		Not applicable.
Boiling point/range (°C):		Not applicable.
Flash point (°C):		Not applicable.
Evaporation rate:		Not applicable.
Flammability (solid, gas):		Not applicable.
Ignition temperature (°C):		Not applicable.
Upper/lower flammability/explosive limits:	Lower (%)	Non flammable
Vapour pressure:	@ 20°C	Not applicable.
Vapour density:		Not applicable.
Relative Density (g cm ⁻³):	@ 25°C	4.1
Solubility:		Insoluble in: Water and Organic solvents (disperses). Soluble in: Mineral acids (some).
Auto-ignition temperature (°C):		Not applicable
Decomposition temperature (°C):		Not applicable.
Viscosity (mm ² s ⁻¹ , cSt):	@ 25°C	Not applicable.
Particle Size, Sieve Residue + 63µ		Max 0.5

10 STABILITY AND REACTIVITY

10.1 Chemical stability:

Above 80°C transformation to red iron oxide

10.2 Incompatible materials:

Substances subject to catalytic decomposition caused by dust such as peroxides. Further avoid contact with aluminium dust, calcium hypochlorite, hydrazine, ethylene oxide, caesium carbide.

10.3 Hazardous decomposition products:

No hazardous decomposition products.

11 TOXICOLOGICAL INFORMATION

11.1 Toxicokinetics, metabolism and distribution:

Non-human toxicological data:
Not available.

11.2 Information on toxicological effects:

Acute toxicity:
LD50 (Oral, Rat): > 5000 mg/kg (oral rat)

12 ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

LC 50, 96 Hrs, FISH mg/l >1000 (48 h) *Idus Idus dorata*

12.2 Persistence and degradability:

The product is not expected to be biodegradable.

12.3 Bioaccumulative potential:

No data available on bioaccumulation

12.4 Mobility:

The product is insoluble in water and will sediment in water systems.

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13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

May be disposed of in approved landfill sites, provided local and national regulations are observed.

14 TRANSPORT INFORMATION

14.1 General:

Not classified as hazardous for transport purposes.

14.2 UN-no:

Not classified.

14.3 Transport hazard class(es)

14.3.1 RID/ADR:

Not classified.

14.3.2 IMO:

Not classified.

14.3.3 IATA/ICAO:

Not classified.

15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

15.1.1 Water hazard class (WGK):

Class: nwg (non hazardous to water)

15.2 Chemical safety assessment:

Chemical safety assessments for substances in this mixture were not carried out.

15.3 EU directives:

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP). Commission Regulation (EC) 790/2009, 1st ATP of CLP. Commission Regulation (EU) No 453/2010 on Safety Data Sheets.

16 OTHER INFORMATION

Issued by:

J. Allcock & Sons Ltd.

SDS Issue No.:

WEB01

Date:

12/2021

For any further information please contact J. Allcock & Sons Ltd.

DISCLAIMER: All information and instructions provided in these Safe Handling Instructions (SHI) are based on the current state of scientific and technical knowledge at the date indicated on the present SHI. J. Allcock & Sons Ltd. shall not be held responsible for any defect in the product covered by this SHI, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge. **Dated: 12/2021**

