

SAFETY DATA SHEET

490 Red Iron Oxide

Date: 06/2019

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1 IDENTIFICATION OF SUBSTANCE

1.1 Product Identifier:

Identification on the label/ Trade name: 490 Red 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

+44 (0)161 223 7181

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

2.1.1 Classification:

Classification (EC 1272/2008):

Physical and Chemical Hazards: Not classified.

Human health: Not classified.

Environment: Not classified.

Classification (1999/45/EEC): Not classified.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Human health: May cause minor irritation on eye contact. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases. May cause minor irritation on skin contact.

Environment: The product is not expected to be hazardous to the environment.

2.2 Label Elements:

Hazard Pictograms:

Not Required.

Signal Word(s):

Not Required.

Hazard Statement:

Not Required.

Precautionary statement:

Not Required.

2.3 Other hazards

The product does not contain any PBT or vPvB substances.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

Substance Name	% by weight	CAS No.	EINECS No.	REACH No.	Classification
C.I. PIGMENT RED 101	90-100	1309-37-1	215-168-2	01-2119457614-35-0011	EC 12727/2008: Not Classified 67/548/EEC: Not Classified

4 FIRST-AID MEASURES

4.1 Description of first aid measures:

4.1.1 In case of inhalation:

Remove victim immediately from source of exposure. Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

4.1.2 In case of skin contact:

Remove affected person from source of contamination. Remove contaminated clothing. Wash skin immediately with soap and water. Get medical attention if any discomfort continues.

4.1.3 In case of eyes contact:

Promptly wash eyes with plenty of water while lifting the eyelids. Continue for at least 15 minutes. Get medical attention if any discomfort continues.

4.1.4 In case of ingestion:

NEVER MAKE AN UNCONCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly with water. Victims who are not unconscious should drink large quantities of milk or water, self-induce vomiting. Get medical attention if any discomfort continues.

4.1.5 General information:

Contaminated clothing should be removed and washed before being re-used.

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5 FIRE-FIGHTING MEASURES

5.1 Extinguishing Media:

5.1.1 Suitable extinguishing media:

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

5.2 Special hazards arising from the substance or mixture:

Dust may form an explosive mixture in atmosphere.

5.3 Advice for fire fighters:

No specific fire fighting procedure given.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Wear protective clothing if dust in the atmosphere is a problem.

6.2 Environmental precautions:

Avoid washing into water courses. Avoid contaminating public drains or water supply.

6.3 Methods of containment and cleaning up:

Avoid dust formation. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container.

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:

Avoid handling which leads to dust formation.

7.2 Conditions for safe storage, including any incompatibilities:

No special storage precautions noted. Store in tightly closed original container in a dry, cool and well-ventilated place.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

Name	STD	TWA – 8 Hrs	STEL – 15 Min	Notes
C.I. Pigment Red 101	NUI			

The UK HSE guidance note EH40, recommends adequate control of exposure to dusts and where there is no indication of the need for a lower value, personal exposure should be kept below:- 8h TWA 10mg/m³ total inhalable dust. 8h TWA 4 mg/m³ respirable dust NUI= Nuisance Dust.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls:

Use engineering controls to reduce air contamination to permissible exposure level Provide eyewash station.

8.2.2 Individual protection measures:

General:

Provide adequate general & local exhaust ventilation.

Eye/face protection:

Wear dust resistant safety goggles where there is danger of eye contact.

Hand protection:

Use suitable protective gloves if risk of skin contact.

Body protection:

Wear appropriate clothing to prevent repeated/prolonged skin contact.

Respiratory protection:

No specific recommendation made, but protection against nuisance dust must be used when the general level exceeds 10 mg/m³.

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9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance:		Powder, dust
Physical state:		Solid
Colour:		Red
Odour:		Odourless
pH:		7 (Conc. Solution), Typically 3-7
Melting point/range (°C):		Not applicable.
Boiling point/range (°C):		> 1000
Flash point (°C):		Not applicable.
Evaporation rate:		Not applicable.
Flammability (soild,gas):		Not applicable.
Ignition temperature (°C):		Not applicable.
Upper/lower flammability/explosive limits:		Not applicable.
Vapour pressure:	@ 20°C	Not applicable.
Vapour density:		Not applicable.
Relative Density (g cm ⁻³):	@ 20°C	5
Solubility:		Insoluble in water.
Auto-ignition temperature (°C):		Not applicable
Decomposition temperature (°C):		Not applicable.
Viscosity (mm ² s ⁻¹ , cSt):	@ 25°C	Not applicable.

10 STABILITY AND REACTIVITY

10.1 Reactivity:

No specific reactivity hazards associated with this product.

10.2 Chemical stability:

No particular stability concerns.

10.3 Possibility of hazardous reactions:

Not relevant.

10.4 Conditions to avoid:

There are no known conditions that are likely to result in a hazardous situation.

10.5 Incompatible materials:

No incompatible groups noted.

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

Skin corrosion/irritation:

Powder may irritate skin.

Serious eye damage/irritation:

May cause irritation.

Respiratory or skin sensitization:

Repeated and prolonged inhalation of iron oxide fume has been reported to produce changes in lung X-Rays of exposed individuals. This condition, siderosis, is considered to be a benign pneumoconiosis that exhibits no adverse health effects. To the best of our knowledge, this condition has not been observed after prolonged exposure to iron oxide pigments.

Germ cell mutagenicity:

Not available.

Carcinogenicity:

Not available.

Reproductive toxicity:

Not available.

STOT- single exposure:

Not available.

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STOT- repeated exposure:

Not available.

Aspiration hazard:

Not available.

12 ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

From literature surveys undertaken:- Aquatic toxicity (fish): = Leuciscus idus (Golden Orfe) LCo: > 1000 mg/l Bacterial toxicity: = harmless against Pseudomonas putida at > 1000 mg/l Water hazard classification = According to present state of knowledge, these pigments are generally not hazardous to water. Separation: these pigments are separated in most filtration and/or sedimentation processes. Biological/Chemical Oxygen Demand: Not applicable.

12.2 Persistence and degradability:

The product is not readily 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.

12.5 Results of PBT and vPvB assessment:

This product does not contain any PBT or vPvB substances.

12.6 Other adverse effects:

None known.

13 DISPOSAL CONSIDERATIONS

Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

13. 1 Waste treatment methods:

Recover and reclaim or recycle, if practical. Contact speciality disposal companies. Dispose of waste and residues in accordance with local authority requirements.

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 UK Regulatory References:

Chemicals (Hazard Information & Packaging) Regulations 1996.

15.1.2 Statutory Instruments:

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

15.1.3 Approved Code of Practice:

Safety Data Sheets for substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

15.1.4 Guidance Notes:

UK HSE guidance note EH40, Workplace Exposure Limits.

15.1.5 EU Legislation:

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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 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments

Commission Regulation (EC) 790/2009, 1st ATP of CLP. Commission

Regulation (EU) No 453/2010 on Safety Data Sheets.

15.2 Chemical safety assessment:

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

16 OTHER INFORMATION

Issued by:

J. Allcock & Sons Ltd.

SDS Issue No.:

WEB01

Date:

06/2019

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:06/2019**

