

## SAFETY DATA SHEET

### **SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

#### 1.1. Product identifier

Product name Red Iron Oxide (Synthetic)  
Product No. P3441

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses. Glaze and Body Colourant Ceramic Colour Liquid colourant for use in Heavy Clay, Brick and Tile Industries Colourant for use in cements and concrete  
Uses advised against This product must only be used for the purpose(s) specified above.

#### 1.3. Details of the supplier of the safety data sheet

Supplier PotteryCrafts Limited.  
Campbell Road.  
Stoke on Trent  
Staffordshire UK  
ST4 4ET.  
Tel: 0044 (0) 1782 745000 (10.00 - 15.30 Monday - Friday)  
[Sales@pottery crafts.co.uk](mailto:Sales@pottery crafts.co.uk)

### **SECTION 2: HAZARDS IDENTIFICATION**

#### 2.1. Classification of the substance or mixture

|                               |                               |                 |
|-------------------------------|-------------------------------|-----------------|
| Classification (EC 1272/2008) | Physical and Chemical Hazards | Not classified. |
|                               | Human health                  | Not classified. |
|                               | Environment                   | Not classified. |
| Classification (1999/45/EEC)  | Not classified.               |                 |

#### Human health

See section 11 for additional information on health hazards.

#### Environment

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

#### 2.2. Label elements

Label In Accordance With (EC) No. 1272/2008 Not classified.

Supplemental label information  
EUH210

Safety data sheet available on request.

#### 2.3. Other hazards

### **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

#### 3.2. Mixtures

|                              |                             |
|------------------------------|-----------------------------|
| IRON OXIDE                   | 97-100%                     |
| CAS No. 1309-37-1            | EC No. :215-168-2           |
| Classification (EC1272/2008) | Classification (67/548/EEC) |
| Not Classified               | Not Classified              |

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

### **SECTION 4: FIRST AID MEASURES**

#### 4.1. Description of first aid measures

##### Inhalation

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

##### Ingestion

Immediately rinse mouth and provide fresh air. Get medical attention if any discomfort continues.

##### Skin contact

Rinse with water. Contact physician if discomfort continues.

##### Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

#### 4.2. Most important symptoms and effects, both acute and delayed

#### General information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

Inhalation.

No specific symptoms noted.

Ingestion

No specific symptoms noted.

Skin contact

No specific symptoms noted.

Eye contact

May cause temporary eye irritation.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No specific first aid measures noted.

### **SECTION 5: FIREFIGHTING MEASURES**

#### 5.1. Extinguishing media

Extinguishing media

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

#### 5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Not known.

#### 5.3. Advice for firefighters

Special Fire Fighting Procedures

No specific fire fighting procedure given.

Protective equipment for fire-fighters

Wear full protective clothing.

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

#### 6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

#### 6.2. Environmental precautions

Collect and dispose of spillage as indicated in section 13.

#### 6.3. Methods and material for containment and cleaning up

Avoid generation and spreading of dust. Shovel into dry containers. Cover and move the containers. Flush the area with water.

#### 6.4. Reference to other sections

### **SECTION 7: HANDLING AND STORAGE**

#### 7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Avoid handling which leads to dust formation.

#### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

Storage Class

Unspecified storage.

#### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### 8.1. Control parameters

| NAME       | STD | TWA-8 Hrs                        | STEL – 15 Mins             | Notes |
|------------|-----|----------------------------------|----------------------------|-------|
| IRON OXIDE | WEL | 5(LTEL Fe fume)mg/m <sup>3</sup> | 10(STEL) mg/m <sup>3</sup> |       |

WEL = Workplace Exposure Limits

#### 8.2. Exposure controls

Engineering measures

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust.

Respiratory equipment

No specific recommendation made, but protection against nuisance dust must be used when the general level exceeds 10 mg/m<sup>3</sup>.

Hand protection

For prolonged or repeated skin contact use suitable protective gloves.

Eye protection

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

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Skin protection  
Wear apron or protective clothing in case of contact.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1. Information on basic physical and chemical properties**

|            |                          |
|------------|--------------------------|
| Appearance | Powder, dust             |
| Colour     | Red                      |
| Odour      | No characteristic odour. |
| Solubility | Insoluble in water       |

### **9.2. Other information**

## **SECTION 10: STABILITY AND REACTIVITY**

### **10.1. Reactivity**

There are no known reactivity hazards associated with this product.

### **10.2. Chemical stability**

Stable under normal temperature conditions.

### **10.3. Possibility of hazardous reactions**

Not applicable.

### **10.4. Conditions to avoid**

Avoid excessive heat for prolonged periods of time.

### **10.5. Incompatible materials**

Materials To Avoid No incompatible groups noted.

### **10.6. Hazardous decomposition products**

No hazardous decomposition products.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1. Information on toxicological effects**

Inhalation  
Dust in high concentrations may irritate the respiratory system.

Ingestion  
May cause discomfort if swallowed.

Skin contact  
Powder may irritate skin.

Eye contact  
Particles in the eyes may cause irritation and smarting.

## **SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity  
Not regarded as dangerous for the environment.

### **12.1. Toxicity**

Acute Fish Toxicity  
Not considered toxic to fish.

### **12.2. Persistence and degradability**

Degradability  
This product mainly consists of inorganic compounds which are not biodegradable. The remaining substances of the product are expected to be not readily biodegradable.

### **12.3. Bioaccumulative potential**

Bioaccumulative potential  
The product does not contain any substances expected to be bioaccumulating.

### **12.4. Mobility in soil**

Mobility:  
Not considered mobile.

### **12.5. Results of PBT and vPvB assessment**

No information

#### 12.6. Other adverse effects

### **SECTION 13: DISPOSAL CONSIDERATIONS**

#### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

Waste Class

Consult your waste service provider Show this document

### **SECTION 14: TRANSPORT INFORMATION**

General This product is not classified as dangerous for conveyance.

Road Transport Notes Not Classified

Rail Transport Notes Not classified.

Sea Transport Notes Not classified.

Air Transport Notes Not classified.

#### 14.1. UN number

No information required.

#### 14.2. UN proper shipping name

No information required.

#### 14.3. Transport hazard class(es)

No information required.

#### 14.4. Packing group

No information required.

#### 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

#### 14.6. Special precautions for user

No information required.

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No information required.

### **SECTION 15: REGULATORY INFORMATION**

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

Uk Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

Environmental Listing

No listing noted.

Approved Code Of Practice

Safety Data Sheets for Substances and Preparations.

Guidance Notes

In the UK the following HSE ([www.hse.gov.uk](http://www.hse.gov.uk)) guidance note applies Workplace Exposure Limits EH40.

EU Legislation

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.

Health and Environmental Listings

None of the ingredients are listed.

Water hazard classification

N/A.

#### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

### **SECTION 16: OTHER INFORMATION**

General information

Only trained personnel should use this material.

Information Sources

Sources of key data:

HSE website <http://www.hse.gov.uk/>

Guidance Note EH40 Workplace Exposure Limits.

Campbell Road - Stoke on Trent, ST4 4ET - United Kingdom Tel: +44 (0)1782 745000 - Web: [www.potterycrafts.co.uk](http://www.potterycrafts.co.uk)



Raw material suppliers Material Safety Data Sheets  
REACH regulations particularly Article 31 and Annex II  
Revision Date 10/10/2025  
Revision 6  
Supersedes date 16/06/2011  
Risk Phrases In Full  
NC Not classified.

#### Disclaimer

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