

Section 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Product name:** IRON (III) OXIDE, MAGNETIC**CAS number:** 1309-37-1**Product code:** A68536**Synonyms:** IRON (II) DIIRON (III) OXIDE**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.3. Details of the supplier of the safety data sheet****Company name:** Philip Harris Ltd

2 Gregory Street

Hyde

Cheshire

SK14 4HR

United Kingdom

Tel: +44 (0)845 1200 506**Fax:** +44 (0)161 367 2140**Email:** enquiries@philipharris.co.uk**1.4. Emergency telephone number****Emergency tel:** +44 (0) 845 1200 506**Section 2: Hazards identification****2.1. Classification of the substance or mixture****Classification under CLP:** Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335**Classification under CHIP:** Xi: R36/37/38**Most important adverse effects:** Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.**2.2. Label elements****Label elements under CLP:****Hazard statements:** H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

Signal words: Warning**Hazard pictograms:** GHS07: Exclamation mark

SAFETY DATA SHEET

IRON (III) OXIDE, MAGNETIC

Page: 2

Precautionary statements: P261: Avoid breathing.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+352: IF ON SKIN: Wash with plenty of soap and water.
P321: Specific treatment (see on this label).
P405: Store locked up.
P501: Dispose of to.

2.3. Other hazards

PBT: This product is not identified as a PBT substance.

Section 3: Composition/information on ingredients

3.1. Substances

Chemical identity: IRON (III) OXIDE, MAGNETIC

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately. In case of skin reactions, consult a Doctor

Eye contact: Bathe the eye with running water for 15 minutes. Protect Uninjured eye. Remove contact lenses, if present and easy to do. Consult a doctor.

Ingestion: Seek urgent medical attention.

Inhalation: Move to fresh air in case of accidental inhalation of vapours. Keep Patient warm. If breathing is irregular or stopped, administer artificial respiration. Immediately call the POISON CENTRE or a doctor.

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

Skin contact: Irritant for skin and mucous membranes.

Eye contact: Causes serious eye irritation.

Ingestion: May be harmful if swallowed.

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

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

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: If this product is involved in a fire, the following can be released: Metal Oxide

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SAFETY DATA SHEET
IRON (III) OXIDE, MAGNETIC

Page: 3

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Wear protective equipment. Keep Unprotected persons away. Ensure adequate ventilation.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Transfer to a suitable container.

6.4. Reference to other sections

Reference to other sections: See section 7. Refer to section 8 of SDS. Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Keep containers tightly sealed. Store in cool, Dry place in tightly closed containers. Ensure good ventilation/exhaustion at the work place.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Store away from oxidizing agents.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

8.1. DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

Respiratory protection: Use breathing protection with high concentrations.

Hand protection: Protective gloves. Impermeable gloves.

Eye protection: Safety glasses. Face-shield.

Skin protection: Protective clothing. Avoid contact with skin and eyes. Wash hands before breaks and after work. When using do not eat, drink or smoke.

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SAFETY DATA SHEET
IRON (III) OXIDE, MAGNETIC

Page: 4

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Powder
Colour: Red-brown
Odour: Odourless
Evaporation rate: No data available
Oxidising: No data available
Solubility in water: No data available
Also soluble in: No data available.
Viscosity: No data available
Viscosity test method: No data available.
Melting point/range°C: 1565°C

9.2. Other information

Other information: Density at 20°C : 5.24g/cm³

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: No data available.

10.2. Chemical stability

Chemical stability: Stable under recommended storage conditions

10.3. Possibility of hazardous reactions

Hazardous reactions: Reacts with strong Oxidizing agents.

10.4. Conditions to avoid

10.5. Incompatible materials

Materials to avoid: Oxidising agents.

10.6. Hazardous decomposition products

Haz. decomp. products: Metal oxide

Section 11: Toxicological information

11.1. Information on toxicological effects

Relevant hazards for substance:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Based on test data

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SAFETY DATA SHEET
IRON (III) OXIDE, MAGNETIC

Page: 5

Serious eye damage/irritation	OPT	Based on test data
STOT-single exposure	INH	Based on test data

Symptoms / routes of exposure

Skin contact: Irritant for skin and mucous membranes.

Eye contact: Causes serious eye irritation.

Ingestion: May be harmful if swallowed.

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT substance.

12.6. Other adverse effects

Other adverse effects: Water hazard class 1:slightly hazardous for water.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Disposal must be made according to official regulations.

Disposal of packaging: Arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

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SAFETY DATA SHEET
IRON (III) OXIDE, MAGNETIC

Page: 6

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and 3: H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

R36/37/38: Irritating to eyes, respiratory system and skin.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.