



CLAYMAN

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SAFETY DATA SHEET

5569	RED IRON OXIDE
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1. Identification of substance/preparation and of the company undertaking	
Trade Name:	Red Iron Oxide
Chemical Name:	Synthetic and naturally occurring Iron Oxides.
Synonyms:	None

2. Composition /information on ingredients			
Component	CAS	EINECS	% of composition
Iron Oxide Fe ₂ O ₃	1309-37-1	2151682	100

3. Hazards Identification	
Inhalation:	Excessive exposure may cause symptoms of chronic lung disease.
Ingestion:	The product is of low solubility in body fluids and it is likely to be of low acute toxicity.
Eyes:	May cause physical irritation and inflammation.
Skin:	The material is not a primary irritant, but as with any abrasive powder it may give rise to minor irritation.

4. First Aid Measures	
Inhalation:	Remove patient to fresh air, loosen clothing and seek medical attention.
Ingestion:	Do not induce vomiting, seek medical advice.
Eyes:	Wash immediately with copious amounts of water.
Skin:	Wash affected areas with water.

5. Fire Fighting Hazards	
Extinguishing media:	Suitable for surrounding fire conditions.
Special Exposure hazard:	In the event of a fire, the product may emit harmful or toxic fumes.
Personal Protective equipment:	Self- contained breathing apparatus.

6. Accidental Release Measure	
Leaks and spills:	Use suitable vacuum equipment where reasonably practicable, otherwise damp down and scoop into a receptacle.
Personal protective equipment:	Respiratory protective equipment



7. Handling & Storage	
Handling:	Do not eat, drink, or smoke in areas where the material is used. Wash thoroughly after handling the material.
Storage:	Store in a dry area.

8. Exposure Control/Personal Protection	
Engineering controls:	Adequate ventilation should be provided so that Occupational Exposure Limits are not exceeded. Local Exhaust ventilation is preferable to personal protection.
Personal protective equipment:	Where necessary, suitable personal protection should be used (e.g. overalls, gloves, mask).

9. Physical & Chemical Properties	
Appearance and odour:	Red – Brown powder, odourless.
Flash Point (°C):	Not applicable.
Flammability:	Not applicable.
Explosive properties:	Non – explosive.
Oxidising properties:	None.
Specific gravity:	3 – 5.
pH value:	7 (Insoluble in water).
Melting point (°C):	Not available.

10. Stability & Reactivity	
Chemical stability:	The material is stable.
Conditions / materials to avoid:	None known.
Hazardous decomposition products:	None known.
Hazardous polymerisation products:	None.

11. Toxicological Information		
Acute Toxicity:	LD50 Oral (rat)	>2000 mg/ kg.
	LD50 Dermal	Not known.
	LC50 Inhalation	Not known.
Health affects:	Prolonged or repeated exposure above Occupational Exposure Standards may cause fibrosis of the lungs.	

12. Ecological Information	
Ecotoxicity:	Not known.
Persistence:	The product is chemically stable and will persist in the environment.



13. Disposal Considerations	
Dispose of in accordance with current Waste Disposal Regulations (for U.K – Control of pollution (Special Waste) Regulations 1996). Landfill is the most appropriate method.	

14. Transport Information		
U.N. / S.I. No:	Not restricted.	
U.N. Class:	Not restricted.	
Packing group:	Not restricted.	
Road:	UK	Not restricted.
	ADR	Not restricted.
Sea	IMO	Not restricted.
Air	ICAO	Not restricted.

15. Regulatory Information			
EC Supply labelling:	None required by directive 88/379/EEC and subsequent amendments.		
R Phrases	None		
S Phrases	Optional for dusty powders		
	S20/21	When using do not eat, drink or smoke.	
	S38	In case of insufficient ventilation wear suitable respiratory equipment.	
UK Occupational exposure limits (Refer to HSE Guidance Note EH40)	mg/m ³ 8 hour TWA	% in product	
Dusts: Total inhalable	10	-	
Dusts: Total respirable	5	-	
In accordance with the HSE Approved Code of practice for CHIP, the recipient is reminded of their obligations under both the Health and Safety at Work Act (HSWA) and the Control of Substances Hazardous to Health Regulations (COSHH), and that the information in any safety data sheet does not constitute the user's assessment of workplace risk.			

16. Other Information	
COSHH ACOP:	HSC Approved Code of Practice for the Control of Substances Hazardous to Health Regulations 1994.
CHIP 96:	The Chemicals (Hazard Information and Packaging for Supply) Regulations 1996.
CHIP SDS ACOP:	HSC Approved Code of Practice for Safety data sheets in accordance with regulation 6 of the CHIP regulations.
HSE EH40:	HSE Guidance note EH40 on Occupational Exposure Limits, to be used in conjunction with the COSHH regulations.