



# SAFETY DATA SHEET

5561

CHROME OXIDE

## 1. Identification of substance/preparation and of the company undertaking

<b>Trade name:</b>	Chromium oxide
<b>Chemical Name:</b>	
<b>Synonyms:</b>	None

## 2. Composition /information on ingredients

Component	CAS	EINECS	% of composition
Chromium (III) Oxide	1308-38-9		100%

## 3. Hazards Identification

<b>Inhalation</b>	Excessive exposure may cause symptoms of chronic lung disease and impaired pulmonary functions.
<b>Ingestion</b>	The product is of low solubility in body fluids and it is likely to be of low toxicity.
<b>Eyes</b>	May cause physical irritation and inflammation.
<b>Skin</b>	The material is not a primary irritant, but as with any abrasive powder it may give rise to minor irritation.

## 4. First Aid Measures

<b>Inhalation</b>	Remove patient to fresh air, loosen tight clothing and seek medical attention.
<b>Ingestion</b>	Do not induce vomiting, rinse mouth with water and give 300ml of water to drink, provided the victim is conscious, seek medical advice.
<b>Eyes</b>	Wash immediately with copious amounts of water for at least 15 minutes.
<b>Skin</b>	Wash affected areas with soap and water.

## 5. Fire Fighting Hazards

<b>Extinguishing media</b>	Suitable for surrounding fire conditions.
<b>Special Exposure hazard</b>	None
<b>Personal protective equipment</b>	None other than required for surrounding fire conditions.



## 6. Accidental Release Measure

<b>Leaks and Spills</b>	Use suitable vacuum equipment where reasonably practicable, otherwise damp down and scoop into a receptacle.
<b>Personal protective equipment</b>	Respiratory protective equipment.

## 7. Handling & Storage

<b>Handling</b>	Do not eat, drink or smoke in areas where the material is used. Wash thoroughly after handling the material.
<b>Storage</b>	Store in a dry area.

## 8. Exposure Control/Personal Protection

<b>Engineering controls</b>	Adequate ventilation should be provided so that Occupational Exposure Limits are not exceeded. Local Exhaust Ventilation is normally recommended.
<b>Personal protective equipment</b>	Where LEV is not practicable and exposure is likely to be excessive, approved respiratory protection to CEN standards prEN 140, 141, 143 or 149 should be worn. Protective gloves and overalls are recommended for prolonged contact.

## 9. Physical & Chemical Properties

<b>Appearance and Odour</b>	Green powder, odourless
<b>Flash point (°C)</b>	Not applicable
<b>Flammability</b>	Not applicable
<b>Explosive properties</b>	Non-explosive
<b>Oxidising properties</b>	None
<b>Specific Gravity</b>	5.21
<b>pH value</b>	7 (insoluble in water)
<b>Melting point (°C)</b>	> 1200°C

## 10. Stability & Reactivity

<b>Chemical stability</b>	The material is stable.
<b>Conditions/ materials to avoid</b>	None known
<b>Hazardous decomposition products</b>	None known
<b>Hazardous polymerization products</b>	None



## 11. Toxicological Information

<b>Acute toxicology</b>	No specific tests data is available but the product is considered to be of low toxicity.
<b>Health Effects</b>	Refer to Section 3.

## 12. Ecological Information

<b>Ecotoxicity</b>	Not known
<b>Persistence</b>	The product is chemically stable and will persist in the environment.

## 13. Disposal Considerations

Dispose in accordance with current waste Disposal regulation (for UK – Control of Pollution {Special Waste} Regulations 1980). Landfill is the most appropriate method.

## 14. Transport Information

<b>UN/SI No</b>		Not restricted
<b>UN Cass</b>		Not restricted
<b>Packing group</b>		Not restricted
<b>Road</b>	UK	Not restricted
	ADR	Not restricted
<b>Sea</b>	IMO	Not restricted
<b>Air</b>	ICAO	Not restricted

## 15. Regulatory Information

<b>EC Supply Labelling</b>	Non hazardous		
<b>R Phrases</b>	None		
<b>S Phrases</b>	Optional for dusty powders		
	S20/21	When using do not eat, drink or smoke.	
	S38	In case of insufficient ventilation wear suitable respiratory equipment.	
<b>UK Occupational exposure limits (Refer to HSE Guidance note EH40)</b>	<b>Mg/m<sup>3</sup></b>	<b>8 hr TWA</b>	<b>% in product</b>
Dusts – Total inhalable		10	-
Dusts – Total respirable		5	-

In accordance with 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 constitutes the user's assessment of workplace risk.



## 16. Other Information

### References

<b>COSHH ACOP</b>	HSC approved Code of Practice for the Control of Substances Hazardous to Health Regulations 1994
<b>CHIP 96</b>	Chemicals (Hazard Information and Packaging Supply) Regulations 1996.
<b>CHIP SDS ACOPS</b>	HSC Approved Code of Practice for Safety data Sheets in accordance with Regulation 6 of the Chip Regulations.
<b>HSE EH40</b>	HSE Guidance note EH40 on Occupational Exposure Limits to be used in conjunction with the COSHH regulations.