

Bath Potters' Supplies

MATERIAL SAFETY DATA SHEET

1. Identification of the preparation/Supplier reference

Trade Name **Chrome Oxide**
Chemical name Chromium (III) oxide
Synonyms Chromium Oxide Green, chromic oxide
Supplier Bath Potters Supplies, Unit 18, Fourth Avenue, Westfield Trading Estate,
Radstock, Nr. Bath. BA3 4XE
Emergency numbers Tel: 01761 411077
Fax: 01761 414115
Internet: coshh@bathpotters.demon.co.uk

2. Composition

Components.	CAS	EINECS	% of composition
Chromium (III) Oxide	1308-38-9	N/A	65% as Cr

3. Health Hazard Identification

Inhalation Excessive and repeated inhalation of the product dust can cause chronic lung damage and impaired pulmonary function.
Ingestion No specific test data available, the product is considered to be of low oral toxicity.
Eyes Not a primary irritant, but prolonged contact may give rise to physical sensitisation as with many powders.
Skin Not a primary irritant, but persistent contact may cause sensitisation by abrasion.

4. First Aid Measures

Inhalation Remove patient to fresh air, loosen tight clothing and seek medical attention if any irritation of the respiratory tract persists.
Ingestion Do not induce vomiting. Rinse mouth with water and give 200-300ml (half a pint) of water to drink (provide patient is conscious). Seek medical advice.
Eyes Wash immediately with copious amounts of water for 15 minutes and seek medical attention.
Skin Remove contaminated clothing. Wash affected areas with soap and water, if any adverse reaction occurs obtain medical advice.

5. Fire Fighting Measures

Extinguishing Media Suitable for surrounding fire conditions.
The product is not explosive or flammable. Standard fire fighting techniques only are required, i.e. water, carbon dioxide, dry powder, sand and chemical foam extinguishers.
Special Exposure hazard Suitable for surrounding fire conditions.
Protective equipment Suitable for surrounding fire conditions.

6. Accidental Release Measures

Leaks & Spills Small amounts may be washed into drains with plenty of water, but observe local effluent control limits. Remove dry materials either by a vacuum cleaner fitted with an efficient particulate filter, or by damping down and scooping in to a receptacle prior to disposal.
Protective equipment Local exhaust ventilation is recommended to comply with occupational exposure limits (refer to Guidance Note EH40 - latest edition), personal respiratory protection should be used if local exhaust is not available.

7. Handling & Storage

Handling	Do not eat, drink, or smoke in areas where the material is used. Wash thoroughly after handling the material and avoid contact with skin and eyes. Local exhaust ventilation is recommended to comply with occupational exposure limits (refer to Guidance Note EH40 - latest edition), to avoid spreading and inhalation dust in use.
Storage	Store in a secure container in normal, dry conditions.

8. Exposure Control/Personal protective Equipment

Engineering controls	Adequate ventilation should be provided so that Occupational Exposure Limits are not exceeded. Local Exhaust Ventilation is normally recommended and preferable to personal protection (refer to Guidance Note EH40 - latest edition).
Personal protective equipment	Where local exhaust is unavailable, H.S.E. - approved personal respiratory protection should be used. Gloves and overalls should be used along with safety goggles if contact with eyes is otherwise possible

9. Physical & Chemical properties

Appearance & Odour	Green odourless powder.
Flash point (°C)	Not applicable
Flammability	Not applicable
Explosive properties	Non-explosive
Oxidising properties	Non-oxidising
Specific gravity	Ca 5.21
pH value	Ca 7 (insoluble in water)
Melting point (°C)	Greater than 1200°C

10. Stability & Reactivity

Chemical stability	The material is stable under normal conditions and insoluble in water
Conditions/materials to avoid	None known.
Hazardous decomposition products	None known.
Hazardous polymerisation products	None.

11. Toxicology Information

Acute toxicology	LD ₅₀ Oral Not known LD ₅₀ Dermal Not known LD ₅₀ Inhalation Not known
Health effects	No specific test data available, the product is considered to be of low oral toxicity. Excessive and repeated inhalation of the product dust can cause chronic lung damage and impaired pulmonary function.

12. Ecological information

Ecotoxicity	Not soluble in water and no adverse effects to the environment are expected.
Persistence	No specific test data available.

13. Disposal

Dispose in accordance with current waste Disposal regulations (for UK - Control of Pollution (Special Waste) Regulations 1996). Landfill is the most appropriate method. Minor amounts may be washed to trade effluent drains provided effluent conditions are complied with.

14. Transport Information

UN/SI No.		Not restricted
UN 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	
R-Phrases	None	
S-Phrases	Optional safety phrases; S20/21 When using do not eat, drink or smoke S22/23 Do not breathe dust or spray S25 Avoid contact with eyes S38 In case of insufficient ventilation wear suitable respiratory equipment.	
UK Occupational exposures limits*	Mg/m ³ 8 hr TWA	% in product
Chromium (III) Oxide	0.5	65% as Cr

* Refer to HSE Guidance note EH40

In accordance with the H.S.E. 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

General industrial hygiene practices are recommended when handling and using this product.

COSHH ACOP:	H.S.C. Approved Code of Practice for the Control of Substances Hazardous to Health Regulations 1994.
CHIP 96:	Chemicals (Hazard Information and Packaging for Supply) Regulations 1996.
CHIP SDS ACOP:	H.S.C. 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.

The information contained in this safety data sheet has been prepared using the best available information. However, in view of technical developments this may alter.

The material must only be used for its stated purpose and the information contained within this data sheet is offered solely for use in the evaluation of this product in respect of safety, health and environmental hazards.

Due to the many factors outside our control when using this product we cannot accept liability for any injury, accident, loss or damage caused through its use.

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