

MATERIAL SAFETY DATA SHEET
CHROMIUM OXIDE GREEN
(HYDRATED) PIGMENT COLOUR



1. Identification of Substance, Preparation and Company

Product Name: Chromium Oxide Green (Hydrated)
Chemical Characterisation: Pigment Green 17 – C.I. 77289. Anhydrous chromium oxide.
Company Name: Bathbomb.biz limited
Company Address: 37 Worting Road
Basingstoke
Hampshire
RG21 8TZ
Emergency Phone Number: 01256 474889

2. Composition Information on Ingredients

Definition / Botanical Origin: Chemical : Contains Hydrated Chromium Oxide
H-No:
CAS No: 12001-99-9
EU Ref: Annex IV Part 1
CoE No:
FEMA:
Additives:
FDA: Chromium hydroxide green
IFRA:
Formula: Na (Al Si O) S
Application:
EINECS: 215-160-9
INCI Name: C.I. 77289
FCCIV:
Ingredient Declaration:

3. Hazards Identification

- Not classified as dangerous and presents no environmental hazard. Should be treated as a nuisance dust.



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4. First Aid Measures

Inhalation Treatment:	Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.
Eye Exposure Treatment:	Rinse immediately with plenty of water for at least 15 mins, holding eyelids open. Contact a doctor if symptoms persist.
Skin Contact Treatment:	Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.
Ingestion Treatment:	Rinse mouth and then drink plenty of water. Seek medical advice if large amounts are involved, drink copious amounts of water to induce vomiting.
Other:	When assessing action take Risk & Safety Phrases into account (Section 15)

5. Fire Fighting Measures

Extinguishing Media Recommended:	Use Water Mist, CO ₂ , Dry Powder or Foam type Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.
Special Measures:	Avoid inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.
Extinguishing Procedures:	Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

6. Accidental Release Measures

Personal precautions:	Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.
Environmental precautions: Cleaning up methods for spillages:	Keep away from drains, soils, surface & groundwater. Remove all potential ignition sources. Avoid contact with acids. Vacuum up and wash spill site. Observe state, federal & local disposal regulations.



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7. Handling and Storage

Precautions in handling:	Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.
Storage conditions:	Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.
Fire protection:	Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

8. Exposure Controls / Personal Protection

Respiratory protection:	Avoid breathing dust. Apply local ventilation where possible.
Ventilation:	Ensure good ventilation of working area.
Hand protection:	Avoid all skin contact. Use chemically resistant gloves if required.
Eye protection:	Wear safety glasses.
Work/Hygiene practices:	Dry, fine powders can remove the skin's natural oils, leaving it cracked and dry and open to infection. Wash hands with soap & water after handling. Use skin moisturisers.

9. Physical and Chemical Properties

Appearance:	Green powder
Odour:	None
Flash Point (°C):	Not applicable
Density	5.0g.cm ³
Bulk Density:	500Kg.m ³
Solubility in Water	Insoluble
PH (at 50gl ⁻¹ water)	
Thermal Decomposition:	Not applicable

10. Stability and Reactivity

Reactivity:	Very stable
Decomposition:	None



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11. Toxicological Information

- After skin contact : Irritation not expected
- After eye contact : Irritation possible through mechanical action of dust particles.
- After inhalation : May cause discomfort to respiratory tract
- After Ingestion: LD₅₀Rat > 10000mg/kg

12. Ecological Information

Biodegradability:	Separated by filtration and/or settlement.
Bacterial Toxicity:	No harmful effect on Escherichia coli :1000mg/l. No harmful effect on Pseudomonas fluorescens : 10000mg/l
Fish Toxicity:	Zebra barbell (Brachydanio nerio) LC ₀ >10000mg/l (96 h)
Precautions:	Prevent surface contamination of soil, ground & surface water. Do not discharge into natural waters without pre-treatment
General Comments:	Trivalent chromium is a widely occurring natural substance, commonly up to 200mg/kg in soil

13. Disposal Considerations

- Avoid disposing to drainage systems and into the environment. Seek expert advice.

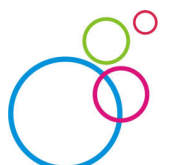
14. Transport Information

- Not classified as a hazardous cargo under current transport regulations. Use an approved carrier

Road (ADR/RID):	Not restricted
Air (IATA):	Not restricted
Sea (IMDG)	Not restricted

15. Regulatory Information (According to Directive 88/379/EEC)

Hazards:	Not applicable
Symbols:	Not applicable
Risk Phrases:	Not applicable
Safety Phrases:	S22, do not breathe dust S24/25, avoid contact with skin S26, in case of contact with eyes rinse immediately with plenty of water and seek medical advice. S36,37,39, wear suitable protective clothing, gloves, eye/face protection.



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Dust:

Long term total dust : 0.5mg.m-3 /8hr TWA



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16. Other Information

16.1. Packaging

Type	Suitability
Glass:	Yes
Lacquer lined steel / tin:	Yes
Aluminium:	Yes
HPPE:	Yes
F/HDPE:	Yes
Other plastic:	Yes

16.2. Shelf Life

Min 12 months when stored within advised conditions. Retest after 6 months

16.3. QC Requirements

In-line with general product specification. Always satisfy suitability for specific application.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use..

Should you have any questions relating to the use of this product, please contact bathbomb.biz Ltd either by phone (01256 474889) or by email (fizzy@bathbomb.biz) .

