

MATERIAL SAFETY DATA SHEET

For Emergency Assistance
 Involving Chemicals Call CHEMTREC
 (800) 424-9300

WHMIS (Classification)
 CLASS D-2B: Material causing other
 toxic effects (TOXIC).

****Section I. Chemical Product Identification****

Distributed by:
 Univar Canada Ltd.
 9800 Van Horne Way
 Richmond, BC
 V6X 1W5

Product Name	Chromium Oxide M100	Code	LA1380
		CAS#	001308389
Synonym	Chromium (III) Oxide; Chromic oxide; Chrome Oxide Green	DSL	On the DSL list.
Chemical Name	Chromium (III) Oxide	CI#	Not available.
Chemical Family	Chromium Compounds.		
Chemical Formula	CR2O3		
Material Uses	Not available.		

****Section II. Composition and Information on Ingredients****

Name	CAS #	% by Weight	LC50/LD50
Chromium Oxide	001308389	100	Not available.

****Section III. Hazards Identification****

Potential Acute Health Effects Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects Very hazardous in case of skin contact (irritant).
 CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC.
 MUTAGENIC EFFECTS: Not available.
 TERATOGENIC EFFECTS: Not available.
 DEVELOPMENTAL TOXICITY: Not available.
 The substance is toxic to lungs, upper respiratory tract.
 Repeated or prolonged exposure to the substance can produce target organs damage.

****Section IV. First Aid Measures****

Eye Contact Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Hazardous Skin Contact Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Hazardous Inhalation Not available.

Ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Hazardous Ingestion Not available.

****Section V. Fire and Explosion Data****

The Product is: Non-flammable.

Auto-Ignition Temperature Not applicable.

Flash Points Not applicable.

Flammable Limits Not applicable.

Products of Combustion Not available.

Fire Hazards in Presence of Various Substances in Not applicable.

Explosion Hazards in Presence of Various Substances Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions Not applicable.

Special Remarks on Not available.

Fire Hazards

Special Remarks Not available.
on Explosion
Hazards

Section VI. Accidental Release Measures

Small Spill Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section VII. Handling and Storage

Precautions Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes.

Storage Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section VIII. Exposure Controls/Personal Protection

Engineering Controls Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits TWA: 0.5 (mg/m³) from OSHA (PEL) [United States]
TWA: 0.5 (mg/m³) from ACGIH (TLV) [United States]

Consult local authorities for acceptable exposure limits.

Section IX. Physical and Chemical Properties

Physical State and Appearance	Solid. (Crystals solid.)	Odor	Odorless.
		Taste	Not available.
Molecular Weight	151.02 g/mole		
pH (1%)	Not applicable.	Color	Light to dark Green.

soln/water)

Boiling Point 4000°C (7232°F)

Melting Point 2435°C (4415°F)

Critical Temperature Not available.

Specific Gravity 5.1 (Water = 1)

Vapor Pressure Not applicable.

Vapor Density Not available.

Volatility 0% (v/v).

Odor Threshold Not available.

Evaporation rate Not available.

Viscosity Not available.

Water/Oil Dist. Coeff. Not available.

Ionicity (in Water) Not available.

Dispersion Properties Not available.

Solubility Insoluble in cold water.

****Section X. Stability and Reactivity Data****

Stability The product is stable.

Instability Temperature Not available.

Conditions of Instability Incompatibilities: Lithium, glycerol. Avoid dusting.

Incompatibility with various substances Not available.

Corrosivity Not available.

Special Remarks on Reactivity Not available.

Special Remarks on Corrosivity Not available.

Hazardous Polymerization Will not occur.

****Section XI. Toxicological Information****

Routes of Entry Absorbed through skin. Eye contact. Inhalation. Ingestion.

Toxicity to Animals	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	Very hazardous in case of skin contact (irritant). CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to lungs, upper respiratory tract. Repeated or prolonged exposure to the substance can produce target organs damage.
Other Toxic Effects on Humans	Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Prolonged or repeated skin contact may produce sever irritation or dermatitis.
Special Remarks on Other Toxic Effects on Humans	Not available.

****Section XII. Ecological Information****

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	The product itself and its products of degradation are not toxic.
Special Remarks on the Products of Biodegradation	Not available.

****Section XIII. Disposal Considerations****

Waste Disposal	The disposal of the product must be made in an approved sanitary landfill or in a foundry in accordance with state, provincial and/or federal regulations.
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****Section XIV. Transport Information****

TDG Classification	Not controlled under TDG (Canada).
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Shipping name Not applicable.

PIN Not applicable.

Packing Group Not applicable.

Special Provisions for Transport No additional remark.

****Section XV. Other Regulatory Information****

Other Regulations OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

****Section XVI. Other Information****

References Not available.

Other Special Considerations Not available.

Validated on March 8 2002

Tel. number for non-emergency questions concerning MSDS: 1-866-686-4827

Notice to Reader

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===== END OF MSDS =====