

# MATERIAL SAFETY DATA SHEET

Lambert Southwest  
Division of G. W. Holladay Interests Inc.  
P O Box 1111, Henderson TX 75653  
Chemical Emergency INFOTRAC 800-535-5053

Product: Irish Green

Date: January 2012

## HAZARD MATERIAL IDENTIFICATION SYSTEM

Health Hazard	1 - Slight
Flammability Hazard	0 - Minimal
Reactivity Hazard	0 - Minimal
Personal Protection	E -Glasses, Gloves, Dust Resp

## SECTION I. MATERIAL IDENTIFICATION

Trade/Material Name: CHROMIUM OXIDE

Description: Green chromium oxide powder

Other Designations: 219-0015 Irish Green

CAS: 1308-38-9

Chemical Name: Cr<sub>2</sub>O<sub>3</sub>

## SECTION II. INGREDIENTS AND HAZARDS

<u>INGREDIENT NAME:</u>	<u>CAS NO.</u>	<u>PERCENT</u>	<u>EXPOSURE LIMITS</u>
Chromium oxide green	1308-38-9	>98%	ACGIH TLV: 0.5 mg/M <sup>3</sup> TWA (Chromium III compounds=Cr)
			OSHA PEL: 0.5mg/M <sup>3</sup> TWA (as Cr)

(Ingredients and Hazards continued on next page)

**CALIFORNIA - PROPOSITION 65**

This material may contain approximately 100 ppm hexavalent chromium. Hexavalent chromium is on the California Governor's list of "Chemicals known to cause Health and Welfare Agency has established a "no significant risk" level of 100 micrograms/day. Workplace exposure to this product below 100 micrograms/day. Workplace exposures to hexavalent chromium in excess of 0.001 microgram given.

**SARA TITLE III: Section 313 Supplier Notification**

This product does contain toxic chemicals subject to the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

Chromium compound - 99+% CAS#1308-38-9

This information must be included in all MSDS sheets that are copied or distributed.

**SECTION III.**

**PHYSICAL/CHEMICAL CHARACTERISTICS**

Appearance and Odor:	Green Powder, No Odor
Solubility in Water (%)	Insoluble
Specific Gravity (H <sub>2</sub> O=1)	5.2
Flash Point (method):	Non-flammable

**SECTION IV.**

**FIRE AND EXPLOSION DATA**

Extinguishing Media:	Not flammable. Use appropriate combustibles material involved in the fire.
Unusual Fire or Explosion Hazards:	None
Special Fire fighting Procedures:	Fire fighter should wear self-contained breathing apparatus.

**SECTION V.**

**REACTIVITY DATA**

**Material is stable - Hazardous polymerization will not occur**

**Chemical incompatibilities:** Can react with molton alkali at very high temperatures under oxidizing conditions. May react with chlorine trifluoride, lithium, nitroalkanes, dirubidium acetylide fluoride, lithium difluoride and other strong oxidizers.

(Reactivity Data continued on the next page)

(Reactivity Data continued from previous page)

Conditions to avoid: None

**Hazardous Decomposition**

Products: A small amount (less than 0.1% as Cr) of reversion to hexavalent chromium may occur if this product is elevated temperatures.

<b>SECTION VI. HEALTH HAZARD DATA</b>
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**Summary of Health Risks and Symptoms of Exposure:** May cause skin and eye irritation. Repeated longed exposures to trivalent chromium compounds may cause delayed effects involving the respiratory system.

**Principal Routes of Entry:** Inhalation, ingestion, skin and eye contact.

**Acute Effects:** Causes skin irritation. May cause eye irritation.

**Chronic Health Effects:** Contains trivalent chromium compound. As noted by the American Conference of Governmental Industrial Hygienists in their publication "Threshold Limit Values" repeated exposures to trivalent chromium compounds may cause delayed effects involving the respiratory system.

**Emergency and First Aid Procedures:**

**Eye Contact:** Flush thoroughly with plenty of water for at least 15 minutes. Call a physician.

**Skin Contact:** Wash skin with mild soap and water. Remove contaminated clothing. If irritation develops, consult a physician.

**Inhalation:** Remove to fresh air. Call a physician.

**Ingestion:** If conscious, give large quantities of water to induce vomiting. Get medical attention.

Acute Oral LD<sub>50</sub> in rats greater than 5000 MG/KG

<b>SECTION VII. PRECAUTIONS FOR HANDLING, USE OR DISPOSAL</b>
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**Spill/Leak procedures:** Vacuum or use wet clean-up techniques and place waste material in closed container.

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**Waste Management/  
Disposal**

Disposal must be made in accordance with Federal, State, and local regulations. Pursuant to 40 CFR part 261 of the Resource Conservation & Recovery Act (RCRA). Regulations currently in effect, discarded Chromium (III) Oxide would not be classified as a hazardous waste.

Chromium (III) Oxide is reportable under SARA Title III, Section 311, 312, & 313.

Chromium (III) Oxide is not listed in Appendix A and B, 40 CFR 355, as an Extremely Hazardous Substance.

<b>SECTION VIII. SPECIAL PROTECTION INFORMATION</b>
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**Personal Protective Equipment:**

- Goggles:** Wear safety glasses or goggles to protect against dust particles.
- Gloves:** Rubber or Neoprene glove recommended to avoid contact.
- Respirator:** Use of NIOSH approved dust respirator is recommended when exposure limits may be exceeded.

**Workplace Considerations:**

- Ventilation:** Local exhaust ventilation to collector or containment recommended to control dust to below exposure limits.
- Safety Stations:** An eye wash station should be available to the area of use.
- Other:** In accordance with good industrial hygiene practice, avoid contact with skin, eyes or clothing. Avoid breathing dust. Keep away from food products. Keep container closed when not in use. Use with adequate, localized ventilation. Wash thoroughly after handling and before eating, drinking or using tobacco products. Contaminated clothing should be laundered carefully to avoid secondary exposures to product.

<b>SECTION IX. SPECIAL PRECAUTIONS</b>
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**DOT Class:** Not regulated

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