



MATERIAL SAFETY DATA SHEET

CHROMATE INDUSTRIAL CORPORATION®
5250-A Naiman Parkway, Solon, OH 44139 • 888-567-2206 • www.chromate.com

FOR CHEMICAL EMERGENCY

Call ChemTrec day/night:
1-800-424-9300

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: DUST BLASTER II	DATE PREPARED: APRIL 27, 2009
PART NUMBER: 74184 & 8208	
PRODUCT TYPE: CLEANER	CHROMATE INDUSTRIAL CORPORATION
CHEMICAL FAMILY: OXIDES OF CARBON	5250-A Naiman Parkway, Solon, OH 44139 • (888) 567-2206

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	% BY WEIGHT	OSHA PEL	ACGIH TLV	STEL	CAS #
CARBON DIOXIDE GAS (CO ₂)	100	N/D	N/D	N/D	124-38-9

* An asterisk (*) indicates the toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR 372.

SECTION 3 – HAZARDS IDENTIFICATION

NFPA RATING: HEALTH: 3	FLAMMABILITY: 0	REACTIVITY: 0	SPECIFIC: 0
CERCLA RATING: HEALTH: U	FLAMMABILITY: 0	REACTIVITY: 0	PERSONAL PROTECTION: B

PRIMARY ROUTES OF ENTRY: INHALATION, INGESTION, SKIN, EYES

EFFECTS OF OVEREXPOSURE:

INHALATION: Multiple cylinders released in a confined area may cause asphyxia. Initially, exposure to increased carbon dioxide concentrations result in a compensatory increase in both rate and depth of ventilation. Beyond a certain point, however, this may reverse to hypoventilation resulting in respiratory acidosis. Death from asphyxia may occur if the concentration and duration of exposure are sufficient.

INGESTION: Unlikely If liquid is swallowed, frostbite damage to lips, mouth and mucous membranes may occur.

SKIN CONTACT: No adverse effects have been reported from the gas. Due to rapid evaporation, the liquid may cause frostbite with redness, tingling, pain or numbness. In severe cases, the skin may become hard, white and develop blisters.

EYE CONTACT: At high concentrations in air, may cause stinging sensation; may cause irritation.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Simple asphyxiant. Poisoning may affect heart, respiratory and nervous systems.

SECTION 4 – FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES:

INHALATION: Immediately remove from exposure area to fresh air. If breathing has stopped, give artificial respiration. Maintain airway and blood pressure. Keep affected person warm. Get medical attention immediately.

INGESTION: Treat symptomatically and get medical attention.

SKIN CONTACT: In case of frostbite, warm affected skin in warm water (107°F). If warm water is unavailable, gently wrap affected area in blankets. Allow circulation to return naturally. Get medical attention immediately.

EYE CONTACT: If contact with liquified or compressed gas occurs, wash with large amounts of warm water (approximately 15-20 minutes). Get medical attention immediately.

SECTION 5 – FIRE-FIGHTING MEASURES

FIRE/EXPLOSION HAZARD: GAS: Negligible fire hazard when exposed to heat or flame.
CYLINDER: May rupture in heat of fire.

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide or halon. For larger fires, use water spray, fog or standard foam.

FIRE FIGHTING PROCEDURES: Cool fire-exposed cylinders with water from the side until well after the fire is out. Use agents suitable for type of fire. Cool cylinders with flooding amounts of water, applied from as far a distance as possible.

CONDITIONS TO AVOID: Do not permit physical damage or overheating of cylinders. Contents are under pressure; cylinders may rupture and travel a considerable distance. Contact of liquefied gases with water may cause explosions due to rapid temperature fluctuations.

N/A — NOT APPLICABLE
N/L — NOT LISTED

N/D — NOT DETERMINED

N/E — NONE ESTABLISHED

N/R — NOT REGULATED

SECTION 6 – ACCIDENTAL RELEASE MEASURES

SPILLS OR LEAKS: No data available.

SECTION 7 – HANDLING AND STORAGE

SPECIAL PRECAUTIONS: Store in accordance with 29 CFR 1910.101. For assistance, contact the district director of the EPA.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY: SCBA only required in confined spaces.

SKIN PROTECTION: Protective clothing is not required.

EYE PROTECTION: Not required, but advisable.

OTHER EQUIPMENT: Not required unless multiple cylinders release in confined areas.

EXPOSURE GUIDELINES: Provide general dilution ventilation.

SECTION 9 – PHYSICAL / CHEMICAL PROPERTIES

DESCRIPTION: Odorless, Colorless Gas, with a Slight Acidic Taste

BOILING POINT: - 109°F (-79°C) (Sublimes)

MELTING POINT: - 70.6°F (-57°C) @ 4000 mmHg

SOLUBILITY IN WATER: Soluble

SOLVENT SOLUBILITY: Soluble in alcohol, acetone, hydrocarbons,
most organic liquids

SPECIFIC GRAVITY: 1.52 @ 21°C

VAPOR PRESSURE: 43700 mmHg @ 21°C

pH: Acidic in Solution

VAPOR DENSITY (AIR = 1): 1.5

MOLECULAR WEIGHT: 44.01

VAPOR DENSITY: 1.977 g/l @ 750 mmHg and 0°C

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable under normal temperatures and pressures.

CONDITIONS TO AVOID: Do not permit physical damage or overheating of cylinders. Contents are under pressure; cylinders may rupture and travel a considerable distance. Contact of liquefied gases with water may cause explosions due to rapid temperature fluctuations.

HAZARDOUS POLYMERIZATION: Has not been reported to occur under normal temperatures and pressures.

INCOMPATIBILITY: *ACRYLALDEHYDE:* Exothermic Polymerization;

BARIUM PEROXIDE: Incandescent Reaction;

CESIUM OXIDE: Ignition;

DIETHYL MAGNESIUM: Ignition;

ETHYLENEIMINE: Explosive Polymerization;

HYDRAZINE: Decomposition;

METAL ACETYLIDES: Ignition or Incandescence;

METAL HYDRIDES: Reduction Reaction;

METALS: Dusts of many metal suspended in Carbon Dioxide atmospheres are ignitable and explosive. Some bulk metals will burn in the gas at elevated temperatures;

POTASSIUM: Mixtures of the Solids are Impact-Sensitive;

POTASSIUM-SODIUM ALLOY: Mixtures of the Solids are Impact-Sensitive;

SODIUM: Mixtures of the Solids are Impact-Sensitive;

SODIUM PEROXIDE: Highly Exothermic Reaction, May Be Explosive in Presence of Metals.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Temperatures above 1700°C may cause decomposition and the release of Oxygen and highly toxic Carbon Monoxide.

SECTION 11 – TOXICOLOGICAL INFORMATION

EYE: No data available.
SKIN: No data available.
INGESTION: No data available.
INHALATION: No data available.
SUBCHRONIC: No data available.

CHRONIC CARCINOGENICITY

NTP: N/L **IARC MONOGRAPH:** N/L **OSHA REGULATED:** N/R

TERATOLOGY: No data available.
REPRODUCTION: No data available.
MUTAGENICITY: No data available

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data available.
CHEMICAL FATE INFORMATION: No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS: No data available.
WASTE DISPOSAL METHOD: Dispose as hazardous waste in accordance with EPA RCRA.

SECTION 14 –TRANSPORT INFORMATION

TRANSPORTATION REQUIREMENTS (49CFR172-101)
D.O.T. CLASSIFICATION: Consumer Commodity ORM-D **D.O.T. SHIPPING NAME:** None

SECTION 15 –REGULATORY INFORMATION

EXPOSURE LIMITS: No data available.

SECTION 16 –OTHER INFORMATION

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in this MSDS. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.