

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: 4.5" BRISTLE DISCS
PART NUMBER: 45703 (50 GRIT)
45704 (80 GRIT)
45705 (120 GRIT)
PRODUCT TYPE: ABRASIVE PRODUCT

DATE PREPARED: JUNE 1, 2010

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SECTION 2 — INGREDIENTS

INGREDIENT	CAS NUMBER	% BY WT
THEMOPLASTIC BINDER	MIXTURE	35 - 80
ALUMINUM OXIDE MINERAL	1344-28-1	10 - 30
POLYSILOXANE	MIXTURE	1 - 20
CUBITRON™ MINERAL	66402-68-4	3 - 20
ROLOC BUTTON	MIXTURE	0 - 5
PIGMENT	MIXTURE	0.25 - 1.0

SECTION 3 — HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

ODOR, COLOR, GRADE: Abrasive Product, no odor.

GENERAL PHYSICAL FORM: Solid

IMMEDIATE HEALTH, PHYSICAL, AND ENVIRONMENTAL HAZARDS: This document covers only the Chromate Industrial Corporation Product. For complete assessment, when determining the degree of hazard, the material being abraded must also be considered.

POTENTIAL HEALTH EFFECTS

EYE CONTACT: Mechanical eye irritation:

Signs/symptoms may include: Pain, redness, tearing and corneal abrasion.

Dust created by cutting, grinding, sanding, or machining may cause eye irritation.

Signs/symptoms may include: Redness, swelling, pain, tearing, and blurred or hazy vision.

SKIN CONTACT: Mechanical Skin irritation:

Signs/symptoms may include: Abrasion, redness, pain, and itching.

INHALATION: Dust from cutting, grinding, sanding or machining may cause irritation of the respiratory system.

Signs/symptoms may include: Cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

PROLONGED OR REPEATED EXPOSURE MAY CAUSE:

PNEUMOCONIOSIS: *Sign/symptoms may include:* Persistent cough, breathlessness, chest pain, increased amounts of sputum, and changes in lung function tests.

INGESTION: No health effects are expected.

SECTION 4 — FIRST AID MEASURES

FIRST AID PROCEDURES: The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

EYE CONTACT: Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

SKIN CONTACT: Wash affected area with soap and water. If signs/symptoms develop, get medical attention.

INHALATION: Remove person to fresh air. If signs/symptoms develop, get medical attention.

INGESTION: No need for first aid is anticipated.

SECTION 5 — FIRE-FIGHTING MEASURES**FLAMMABLE PROPERTIES**

AUTO-IGNITION TEMPERATURE: N/A

FLASH POINT: N/A

FLAMMABLE LIMITS: LEL: N/A UEL: N/A

EXTINGUISHING MEDIA: Ordinary combustible material. Use fire extinguishers with class A extinguishing agents (e.g., water, foam).

PROTECTION OF FIRE FIGHTERS

SPECIAL FIRE-FIGHTING PROCEDURES: Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

UNUSUAL FIRE AND EXPLOSION HAZARDS: Not applicable. None inherent in this product.

NOTE: See **STABILITY AND REACTIVITY (SECTION 10)** for hazardous combustion and thermal decomposition information.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: N/A

In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.

SECTION 7 — HANDLING AND STORAGE

HANDLING: For industrial or professional use only. Avoid breathing of dust created by sanding, grinding or machining. Avoid eye contact with dust or airborne particles. Damaged product can break apart during use and cause serious injury to face or eyes. Check product for damage such as cracks or nicks prior to use. Replace if damaged. Always wear eye and face protection when working at sanding or grinding operations or when near such operations. Sparks and particles flying from the product during sanding or grinding can cause injury and fire.

STORAGE: Store in a cool, dry place.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use with appropriate local exhaust ventilation. Provide appropriate local exhaust ventilation for sanding, grinding, or machining. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control dust, fume, or airborne particles. If ventilation is not adequate, use respiratory protection equipment.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

EYE/FACE PROTECTION: Avoid eye contact. To minimize the risk of injury to face and eyes, always wear eye and face protection when working at sanding or grinding operations or when near such operations.
The following eye protection(s) are recommended: Safety Glasses with side shields.

SKIN PROTECTION: Avoid skin contact. Wear appropriate gloves to minimize risk of injury to skin from contact with dust or physical abrasion from grinding or sanding.

RESPIRATORY PROTECTION: Avoid breathing of dust created by sanding, grinding or machining. Assess exposure concentrations of all materials involved in the work process. Consider material being abraded when determining the appropriate respiratory protection. Select and use appropriate respirators to prevent inhalation overexposure.

Select one of the following NIOSH-approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: Half facepiece or fullface air-purifying respirator with N95 particulate filters. Consult the current Chromate Industrial Corporation's (CIC) Respiratory Selection Guide for additional information, or call **(888) 567-2206** for CIC technical assistance.

INGESTION PROTECTION: Not an expected route of exposure. Wash hands after handling and before eating.

EXPOSURE GUIDELINES

INGREDIENT	AUTHORITY	TYPE	LIMIT	ADDITIONAL INFORMATION
ALUMINUM OXIDE MINERAL	ACGIH	TWA, particulate matter, < 1% crystalline silica	10 mg/m ³	Table A4
ALUMINUM OXIDE MINERAL	CMRG	TWA	1 fiber/cc	
ALUMINUM OXIDE MINERAL	OSHA	TWA, respirable	5 mg/m ³	Table Z-1
ALUMINUM OXIDE MINERAL	OSHA	TWA, Vacated, as dust	10 mg/m ³	
ALUMINUM OXIDE MINERAL	OSHA	TWA, as total dust	15 mg/m ³	Table Z-1

VAC Vacated PEL: Vacated Permissible Exposure Limits [PEL] are enforced as the OSHA PEL in some states. Check with your local regulatory agency.

SOURCE OF EXPOSURE LIMIT DATA

- ACGIH:** American Conference of Governmental Industrial Hygienists
- CMRG:** Chemical Manufacturer Recommended Guideline
- OSHA:** Occupational Safety and Health Administration
- AIHA:** American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

SECTION 9 — PHYSICAL / CHEMICAL PROPERTIES

ODOR, COLOR, GRADE: Abrasive Product, no odor.	GENERAL PHYSICAL FORM: Solid
AUTOIGNITION TEMPERATURE: N/A	FLASH POINT: N/A
FLAMMABLE LIMITS LEL : N/A UEL: N/A	BOILING POINT: N/A
VAPOR DENSITY: N/A	VAPOR PRESSURE: N/A
SPECIFIC GRAVITY: N/A	pH: N/A
MELTING POINT: N/A	SOLUBILITY IN WATER: N/A

N/A — NOT APPLICABLE
 N/L — NOT LISTED

N/D — NOT DETERMINED

N/E — NONE ESTABLISHED

N/R — NOT REGULATED

SECTION 10 — STABILITY AND REACTIVITY**STABILITY:** Stable.**MATERIALS AND CONDITIONS TO AVOID:** N/A**HAZARDOUS POLYMERIZATION:** Hazardous polymerization will not occur.**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS****SUBSTANCE:**

CARBON MONOXIDE

CARBON DIOXIDE

CONDITION:

During Combustion

During Combustion

HAZARDOUS DECOMPOSITION: Under recommended usage conditions, hazardous decomposition products are not expected. Hazardous decomposition products may occur as a result of oxidation, heating, or reaction with an other material.**SECTION 11 — TOXICOLOGICAL INFORMATION**

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

SECTION 12 — ECOLOGICAL INFORMATION**ECOTOXICOLOGICAL INFORMATION:** Not determined.**CHEMICAL FATE INFORMATION:** Not determined.**SECTION 13 — DISPOSAL CONSIDERATIONS****WASTE DISPOSAL METHOD:** The substrate that was abraded must be considered as a factor in the disposal method for this product. Dispose of waste product in a sanitary landfill. As a disposal alternative, incinerate in an industrial or commercial facility.**EPA HAZARDOUS WASTE NUMBER (RCRA):** N/R**NOTE:** Since regulations vary, consult applicable regulations or authorities before disposal.**SECTION 14 — TRANSPORT INFORMATION****Not regulated per U.S. DOT, IATA or IMO.**

These transportation classifications are provided as a customer service. As the shipper, YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. CIC's transportation classifications are based on product formulation, packaging, CIC policies and CIC's understanding of applicable current regulations. CIC does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling, or marking requirements. The original CIC package is certified for U.S. ground shipment only. If you are shipping by air or ocean, the package may not meet applicable regulatory requirements.

SECTION 15 — REGULATORY INFORMATION

US FEDERAL REGULATIONS: Contact CIC for more information.

311/312 HAZARD CATEGORIES:**FIRE HAZARD:** No**PRESSURE HAZARD:** No**REACTIVITY HAZARD:** No**IMMEDIATE HAZARD:** Yes**DELAYED HAZARD:** Yes

STATE REGULATIONS: Contact CIC for more information.

CHEMICAL INVENTORIES: This product is an article as defined by TSCA regulations, and is exempt from TSCA Inventory listing requirements. Contact CIC for more information.

INTERNATIONAL REGULATIONS: Contact CIC for more information.

WHMIS: *HAZARDOUS*

This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SECTION 16 — OTHER INFORMATION**NFPA HAZARD CLASSIFICATION****HEALTH:** 1**FLAMMABILITY:** 1**REACTIVITY:** 0**SPECIAL HAZARDS:** NONE

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

REVISION CHANGES: Not Applicable

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