



MATERIAL SAFETY DATA SHEET

CHROMATE INDUSTRIAL CORPORATION®

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**FOR CHEMICAL
EMERGENCY**

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

SECTION 1 — MATERIAL IDENTIFICATION AND USE

PRODUCT NAME: BENCH & PEDESTAL GRINDING WHEELS

DATE PREPARED: APRIL 22, 2013

PART NUMBERS: 33830, 33832, 33834

PRODUCT TYPE: RESIN BONDED ABRASIVE WHEELS

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SECTION 2 — HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	Approximate Concentration %	C.A.S.N.A or U.N. Numbers	Exposure Limits		LD50/LC50 Specify Species & Route
			ACGIH TLV	OSHA PELL	
Aluminum Oxide	+48	1344-28-1	10 mg/M ³		N/A
Zirconia Oxide	N/A	409-21-2	5 mg/M ³		
Silicon Carbide	+48	7440-67-21	10 mg/M ³		
Cured Resin	+3	N/A	10 mg/M ³		
May contain one of the following:					
Sulphur	+1	7704-34-9	10 mg/M ³		
Saran	-1	9011-06-7	20 mg/M ³		
Cryolite	+1	15096-52-3	2.5 mg/M ³		
Pyrite	+1	N/A	2 mg/M ³		
Lime	+1	1305-78-8	2 mg/M ³		
Wollastonite	+1	1344-95-2	10 mg/M ³		
Glass mesh	+1	N/A	10 mg/M ³		
Carbon black	+1	1333-86-4	3.5 mg/M ³		
Meta Para Cresol	+0.5	1319-77-3	5 ppm		
Furfural Alcohol	+0.5	98-00-0	50ppm		
Furfural	+0.5	98-00-1	5 ppm		
Quartz	+1	1480-60-7	10 mg/M ³		

SECTION 3 — PHYSICAL DATA OF MATERIAL

Physical State: Gas Liquid Solid

Odor & Appearance: brownish color, rough surface, no appreciable odor.

Odor Threshold (ppm): N/A

Coeff. of Water /Oil: N/A

Vapor Pressure (mm): N/A

Vapor Density (Air=1): N/A

Evaporation rate: N/A

Boiling Point (C): N/A

Freezing Point (C): N/A

Solubility Water (20): slight

% Volatile (by vol.): N/A

pH: N/A

Density (g/ml): N/A

Specific Gravity: N/A

SECTION 4 — FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability: No Yes **If YES, under what conditions:** Combustion when exposed to direct flame. **Extinguishing Media:** ANY.
Means of Extinction: N/A **Special Procedures:** N/A (chemical extinguishers not required)
Flash Point (C) and Method: N/A **UEL (% by vol.):** N/A **LEL (% by vol.):** N/A
Autoignition Temperature (C): N/A **TDG Flammability Classification:** N/A **Hazardous Combustion Products:** N/A
Explosion Data sensitive to impact: N/A **Rate of burning:** N/A **Sensitivity to Static Change:** N/A
Explosive Power: N/A

SECTION 5 — REACTIVITY DATA

Chemical Stability: Yes No **Incompatibility to other substances?** Yes No If so which ones? N/A
 If NO, under what conditions?: **Hazardous Decomposition Products:** Hazardous polymerization will not occur.
Reactivity and under what conditions: N/A

SECTION 6 — TOXICOLOGICAL PROPERTIES OF PRODUCT

Route of Entry: Skin Contact Skin Absorption Eye Contact
 Inhalation Acute Inhalation Chronic Ingestion
Effects of Acute Exposure to Product: N/A **Effects of Chronic Exposure to Product:** N/A
Sensitization to Product: N/A **Synergistic Materials:** N/A **Irritancy of Product:** N/A
Exposure limits to Products: N/A **Carcinogenicity:** N/A **Reproductive Effects:** N/A
Tertongenicity: N/A **Mutagenicity:** N/A

SECTION 7 — PREVENTIVE MEASURES

Personal Protective Equipment:
Gloves: As desired by user. **Respiratory:** NIOSH/MSHA dust masks 24C FR 1910.134 **Eye:** Recommended - OSHA as needed 29CFR1910.133 (Face & Eye Protection) **Footwear:** None
Clothing (Specify): N/A **Other (Specify):** As needed, hearing protection - OSHA 29CFR1910.215 (Hearing Protection)
Engineering Controls (eg ventilation): Handle with adequate ventilation. See OSHA 29CFR1910.94 (Ventilation) and OSHA 29CFR1910.1000 (Air Containimates)
Leak and Spill Procedure: Ventilate the area and collect the material as normal non-hazardous material.
Waste Disposal: Standard landfill methods consistant with Federal, Provincial and local laws.
Handling Procedures and Equipment: N/A **Storage Requirements:** N/A **Special Shipping Information:** N/A

SECTION 8 — FIRST AID MEASURES

Skin: **Eye:** N/A **Inhalation:** N/A
Ingestion: N/A **Other Potential Health Risks & General Advise:** N/A

SECTION 9 — PREPARATION DATE OF M.S.D.S.

ADDITIONAL INFORMATION COMMENTS. The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee third person approximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. 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 all risks in the use of this material.

Sources Used:
 MDS information from original supplier. ACGIH booklet for TLV.