

MATERIAL SAFETY DATA SHEET

Company Name: C.R. LAURENCE CO., INC.
Address: 2503 E. VERNON AVE.
City / State / Zip: LOS ANGELES / CA / 90058
US-CHEMTREC Phone(I): (800)424-9300
US-CHEMTREC Phone(II): (703)527-3887
CAN-CANUTEC Phone: (613)996-6666
Vendor Update: 9/25/2002
Date Prepared: 9/25/2002
MSDS Number: 1X2120X ; 1X2220X ; 1X260X ; 1X280X ; 2X2120X ;
 2X2220X ; 2X260X ; 2X280X ;

I. CHEMICAL PRODUCT IDENTIFICATION

Product Name: RESIN BONDED ABRASIVE PRODUCTS
HMIS Ratings:
NFPA Ratings:

II. COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Ingredients	C.A.S. Number	% By Weight	ACGIH TLV TWA/STEL	OSHA PEL TWA/STEL	Other TWA/STEL	LD50	LC50
ALUMINUM OXIDE	1344-28-1	40.000-90.000					
Notes							
CALCIUM OXIDE	1305-78-8	1.000-5.000					
Notes							
CURED PHENOLFORMALDEHYDE RESIN	9003-35-4	3.000-12.000					
Notes							
FIBERGLASS	65597-17-3	0.003-10.00					
Notes							
FLUORIDES	N/A	2.000-10.000					
Notes	SUBSTANCE IS A COMPOUND AND/OR MIXTURE						
CRYSTALLINE SILICA, QUARTZ	14808-60-7	0.001-1.000					
Notes							
SILICON CARBIDE	409-21-2	80.00-90.000					
Notes							
SULFATES AND SULFIDES	N/A	1.000-10.000					
Notes	SUBSTANCE IS A COMPOUND AND/OR MIXTURE						
ZIRCONIUM OXIDE	1314-23-4	30.000-50.000					
Notes							

III. HAZARDS IDENTIFICATION PRIMARY ROUTE OF ENTRY

Eyes: DUST MAY IRRITATE EYES.
Skin: SOME MAY EXPERIENCE SKIN IRRITATION FROM DUST.
Ingestion: NO KNOWN ADVERSE EFFECTS, BUT INGESTION NOT RECOMMENDED.

Inhalation: DUST MAY BE SLIGHTLY IRRITATING TO EYES AND RESPIRATORY TRACT AT HIGH CONCENTRATIONS.

IV. FIRST AID MEASURES

Eyes: WASH WITH LARGE AMOUNTS OF WATER. OBTAIN FIRST AID AND MEDICAL ASSISTANCE, IF NEEDED.

Skin: WASH AFFECTED AREAS WITH SOAP AND WATER. OBTAIN MEDICAL ASSISTANCE.

Ingestion: CALL POISON CONTROL CENTER, HOSPITAL EMERGENCY ROOM OR PHYSICIAN IMMEDIATELY.

Inhalation: REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION IMMEDIATELY.

V. FIRE FIGHTING MEASURES

Fire Fighting Procedures: N/A

VI. ACCIDENTAL RELEASE MEASURES

Containment/Cleanup: FOLLOW NORMAL CLEAN UP PROCEDURE.

VII. HANDLING AND STORAGE

Other: ALWAYS HANDLE AND STORE WHEELS IN A CAREFUL MANNER. VISUALLY INSPECT ALL WHEELS BEFORE MOUNTING. ALWAYS CHECK MACHINE SPEED AGAINST THE ESTABLISHED MAXIMUM SAFE OPERATING SPEED MARKED ON THE WHEEL. ALWAYS CHECK MOUNTING FLANGES FOR EQUAL AND CORRECT DIAMETER. ALWAYS USE MOUNTING BLOTTERS. ALWAYS BE SURE WORK REST IS PROPERLY ADJUSTED. ALWAYS USE A SAFETY GUARD COVERING AT LEAST ONE-HALF OF THE GRINDING WHEEL. ALWAYS ALLOW NEWLY MOUNTED WHEELS TO RUN AT OPERATING SPEED, WITH GUARD IN PLACE, FOR AT LEAST ONE MINUTE BEFORE GRINDING. ALWAYS TURN OFF COOLANT BEFORE STOPPING WHEEL TO AVOID CREATING AN OUT-OF-BALANCE WHEEL.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: ALWAYS WEAR SAFETY GLASSES OR SOME TYPE OF EYE PROTECTION WHEN GRINDING.

Respiratory: RESPIRATORS ARE REQUIRED WHEN AIRBORNE CONTAMINATION LEVELS EXCEED THE TLV(S).

Engineering: HANDLE WITH ADEQUATE VENTILATION. SEE OSHA 29 CFR 1910.54 (VENTILATION) AND 29 CFR 1910.1000 (AIR CONTAMINANTS).

Other: USE OF THE PRODUCT MAY CREATE ELEVATED SOUND LEVELS. HEARING PROTECTION SHOULD BE WORN WHERE REQUIRED (SEE OSHA 29 CFR 1910.134 AND OTHER APPLICABLE REGULATIONS).

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: SOLID ARTICLE

X. STABILITY AND REACTIVITY

Hazardous Decomposition Products: IN USE, DUST IS GENERATED. DECOMPOSITION PRODUCTS, SUCH AS TRACE AMOUNT OF PHENOL AND/OR FORMALDEHYDE, MAY BE GENERATED. COOLANTS MAY PRODUCT OTHER DECOMPOSITION PRODUCTS.

Incompatible Products: AVOID ACIDS OF ALL TYPES WITH PH <4.0.

XI. TOXICOLOGICAL INFORMATION

Acute Toxicology Data: FIBERGLASS CONTAINED IN WHEELS HAVE FIBER DIAMETERS GREATER THAN >10UM, THEREFORE CONSIDERED NON-RESPIRABLE. CRYSTALLINE SILICA, QUARTZ-IARC-2A, NIOSH-X, NTP-2.

Component Toxicology Information: VALUES ARE NOT APPROPRIATE OR AVAILABLE.

XII. ECOLOGICAL INFORMATION

XIII. DISPOSAL CONSIDERATIONS

Disposal Method: USE STANDARD LANDFILL METHODS CONSISTENT WITH APPLICABLE FEDERAL, STATE PROVINCIAL AND LOCAL LAWS. PRODUCTS WITH LIQUID ABRASIVES MAY HAVE SLIGHTLY SOLUBLE FLOURIDE SWARF.

XIV. TRANSPORT INFORMATION

D.O.T. Shipping Name: NOT REGULATED

XV. REGULATORY INFORMATION

XVI. OTHER INFORMATION

WARRANTY INFORMATION

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.