

MATERIAL SAFETY DATA SHEET

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MSDS Number: CRL7708 ; CRL7711 ;

I. CHEMICAL PRODUCT IDENTIFICATION

Product Name: WINDSHIELD AND BODY SEALANT
HMIS Ratings:

Health: Slight(1)
 Flammability: Moderate(2)
 Instability/Reactivity: Minimal(0)
 Personal Protective Equipment: B – SAFETY
 GLASSES AND GLOVES

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
ALIPHATIC HYDROCARBON SOLVENT	8052-41-3	5	500 PPM			0.5 TO 5 G/KG	Not Available
Notes							
QUARTZ(SiO ₂)	14808-60-7		0.1 MG/M ³			Not Available	Not Available
Notes							

III. HAZARDS IDENTIFICATION PRIMARY ROUTE OF ENTRY

Eyes: CAN CAUSE SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION.
Skin: CAN CAUSE REDNESS, IRRITATION.
Ingestion: CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, DIARRHEA.
Inhalation: PROLONGED INHALATION OF VAPORS MAY CAUSE IRRITATION OF THE RESPIRATORY TRACT. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING VAPOR MAY BE HARMFUL OR FATAL.
Signs and Symptoms of Exposure: ACUTE EFFECTS OF OVEREXPOSURE: IRRITATION, REDNESS
 CHRONIC EFFECTS: (INCLUDE ALL POTENTIAL CARCINOGENS PRESENT @ .1% OR GREATER)
 THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS HAS IDENTIFIED RESPIRABLE QUARTZ (SiO₂) AS A SUSPECT HUMAN CANCER-CAUSING AGENT BASED ON LIMITED HUMAN EVIDENCE BUT SUFFICIENT EVIDENCE IN EXPERIMENTAL ANIMALS (CLASS 2A). EXPOSURE TO RESPIRABLE QUARTZ WILL NOT BE POSSIBLE WITH THIS PRODUCT UNDER NORMAL CONDITIONS OF USE.
Other: CARCINOGENICITY:
 NTP? NO
 IARC MONOGRAPHS? YES
 OSHA REGULATED? NO

IV. FIRST AID MEASURES

Eyes:	FLUSH WITH LARGE AMOUNTS OF WATER, FREQUENTLY FLUSHING UNDER THE LIDS. SEEK MEDICAL ATTENTION.
Skin:	WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.
Ingestion:	DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.
Inhalation:	REMOVE AFFECTED PERSON TO FRESH AIR, GIVE OXYGEN OR ARTIFICIAL RESPIRATION AS NECESSARY TO ASSIST BREATHING. GET MEDICAL ATTENTION.

V. FIRE FIGHTING MEASURES

Flash Point:	105°F
Test Method:	TAG CLOSED CUP
Lower Flammability Limit:	0.5
Upper Flammability Limit:	6.0
Extinguishing Agents:	FOAM, DRY CHEMICAL OR CARBON DIOXIDE. WATER MAY BE INEFFECTIVE, BUT WATER SHOULD BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL.
Unusual Fire or Explosion Hazards:	VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND AND BE IGNITED BY IGNITION SOURCES DISTANT FROM THE HANDLING POINT. RESIDUE IN "EMPTY" CONTAINERS MAY BE EXPLOSIVE IF EXPOSED TO AN IGNITION SOURCE. TO PREVENT FIRE OR EXPLOSION FROM STATIC ACCUMULATION AND DISCHARGE, EFFECTIVELY GROUND THE PRODUCT TRANSFER SYSTEM.
Fire Fighting Procedures:	TREAT AS A CLASS "B" FIRE. LIMIT FIREFIGHTING TO THOSE TRAINED TO DO SO. IF A LEAK OR SPILL HAS IGNITED, USE WATER SPRAY TO DISPERSE THE VAPORS AND TO PROTECT THE PEOPLE ATTEMPTING TO STOP THE LEAK. MINIMIZE BREATHING GASES, VAPOR, FUMES, OR DECOMPOSITION PRODUCTS. USE SUPPLIED-AIR BREATHING EQUIPMENT FOR ENCLOSED OR CONFINED SPACES OR AS OTHERWISE NEEDED.

VI. ACCIDENTAL RELEASE MEASURES

Containment/Cleanup:	ELIMINATE ALL IGNITION SOURCES. CONTROL THE SOURCE OF THE SPILL IF IT IS SAFE TO DO SO. VENTILATE ENCLOSED AREAS TO PREVENT VAPOR ACCUMULATION. RESTRICT ACCESS BY UNAUTHORIZED PERSONNEL. ABSORB SPILLED PRODUCT WITH VERMICULITE OR OTHER ABSORBENT MATERIAL. SHOVEL OR SCOOP INTO A SEALABLE CONTAINER FOR DISPOSAL.
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VII. HANDLING AND STORAGE

Other:	DO NOT STORE OR HANDLE NEAR AN IGNITION SOURCE. KEEP CONTAINERS CLOSED. EFFECTIVELY GROUND THE PRODUCT TRANSFER SYSTEM TO PREVENT FIRE OR EXPLOSION FROM STATIC DISCHARGE. EMPTY CONTAINERS MAY CONTAIN RESIDUAL PRODUCT. DO NOT REUSE CONTAINERS UNLESS PROPERLY RECONDITIONED.
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VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes:	SAFETY GLASSES WITH SIDE SHIELDS IF NEEDED.
Skin:	GLOVES: BUNA-N, IF NEEDED OTHER PROTECTIVE CLOTHING/ ARTICLES: TO PREVENT REPEATED OR

PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS IF CONTACT IS LIKELY.

Respiratory: FOR LARGE SPILLS OR ENTRY INTO ENCLOSED SMALL SPACES WITH INADEQUATE VENTILATION, A PRESSURE DEMAND, SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED. IF ENGINEERING OR ADMINISTRATIVE CONTROLS ARE NOT ADEQUATE TO MAINTAIN SOLVENT TLV BELOW RECOMMENDED LEVELS, AN APPROPRIATE RESPIRATOR SHOULD BE USED IN CONJUNCTION WITH A RESPIRATOR USE AND FIT TRAINING PROGRAM. ALTHOUGH C.R. LAURENCE HAS NO CONTROL OVER THE CUSTOMER'S METHOD OF USING THIS PRODUCT, UNDER CONDITIONS OF NORMAL USE THE RESPIRABLE QUARTZ CONTAINED IN THE PRODUCT IS A COMPLETELY INCORPORATED COMPONENT, AND AS SUCH SHOULD NOT PRESENT AN INHALATION HAZARD.

Engineering: VENTILATION
GENERAL EXHAUST AS NEEDED TO KEEP TLV BELOW RECOMMENDED LEVELS IF ENGINEERING OR ADMINISTRATIVE CONTROLS ARE NOT ADEQUATE.

Other: WORK/HYGIENIC PRACTICES: MINIMIZE BREATHING VAPOR, AVOID PROLONGED OR REPEATED CONTACT WITH THE SKIN. REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE REUSE. CLEANSE SKIN THOROUGHLY AFTER CONTACT, BEFORE WORK BREAKS AND MEALS, AND AT THE END OF THE WORK DAY. PRODUCT IS READILY REMOVED FROM THE SKIN WITH WATERLESS HAND CLEANERS FOLLOWED BY WASHING THOROUGHLY WITH SOAP AND WATER.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	DARK GRAY TO BLACK PASTE
Boiling Point:	352°F
Freezing Point:	N/A
Solubility in Water:	0.5%
Specific Gravity:	1.68 (H ₂ O = 1)
Vapor Pressure:	5MM HG @ 78°F, 26°C
Vapor Density:	5.0 (AIR = 1)
Physical State:	PASTE
Volatile Content:	PERCENT VOLATILES: 5% MAXIMUM VOC: 0.58 LB/GAL, 69 G/L
Other:	PERCENT SOLIDS (BY WEIGHT): 95% MINIMUM EVAPORATION RATE (ETHYL ETHER = 1): 70

X. STABILITY AND REACTIVITY

Stability: STABLE

Hazardous Polymerization: WILL NOT OCCUR.

Hazardous Decomposition Products: IN THE EVENT OF PARTIAL COMBUSTION, FUMES, SMOKE, CARBON MONOXIDE, ALDEHYDES, AND OTHER DECOMPOSITION PRODUCTS MAY BE RELEASED.

Incompatible Products: NONE KNOWN.

Conditions To Avoid: NONE KNOWN.

XI. TOXICOLOGICAL INFORMATION**XII. ECOLOGICAL INFORMATION****XIII. DISPOSAL CONSIDERATIONS**

Disposal Method: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL ENVIRONMENTAL AND WASTE REGULATIONS.

XIV. TRANSPORT INFORMATION

D.O.T. Shipping Name: ADHESIVE, CONTAINING FLAMMABLE LIQUID

XV. REGULATORY INFORMATION

TSCA Status: ALL COMPONENTS ARE INCLUDED IN THE EPA TOXIC SUBSTANCE CONTROL ACT (TSCA) CHEMICAL SUBSTANCE INVENTORY. IF THIS PRODUCT BECOMES A WASTE, IT DOES NOT MEET THE CRITERIA OF A HAZARDOUS WASTE AS DEFINED UNDER RCRA 40CFR261.

EPA Sara Title III Chemical Listings: EPA SARA TITLE III HAZARD CLASS (40CFR370): ACUTE HEALTH HAZARD, CHRONIC HEALTH HAZARD AND FIRE HAZARD
EPA SARA TITLE III SECTION 313 (40CFR372): THERE ARE NO LISTED TOXIC CHEMICALS PRESENT IN QUANTITIES GREATER THAN THE DE MINIMIS LEVEL
EPA SARA TITLE III (40CFR355): THERE ARE NO COMPONENTS PRESENT IN THIS PRODUCT AT A LEVEL WHICH WOULD REQUIRE REPORTING.

California: CALIFORNIA PROPOSITION 65 (SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986):
THIS PRODUCT CONTAINS NO LISTED SUBSTANCES, WHICH THE STATE OF CALIFORNIA HAS FOUND TO CAUSE CANCER, BIRTH DEFECTS, OR OTHER REPRODUCTIVE HARM, IN A FORM WHICH WOULD REQUIRE A WARNING UNDER THE STATUTE.

Other: CLASS D, DIVISION 1 (OTHER TOXIC EFFECTS): MAY BE A SKIN OR EYE IRRITANT.

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.