

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
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I. CHEMICAL PRODUCT IDENTIFICATION

Product Name: MIRROR EDGE SEALANT
HMIS Ratings:
 Health: Moderate(2)
 Flammability: Serious(3)
 Instability/Reactivity: Minimal(0)
 Personal Protective Equipment: B

NFPA Ratings:

Other: EMERGENCY OVERVIEW:
 EXTREMELY FLAMMABLE. CONTENTS UNDER PRESSURE. AEROSOL. WILL BE EASILY IGNITED BY HEAT, SPARK OR FLAMES. CANCER HAZARD. IRRITATING TO SKIN. IRRITATING TO EYES. IRRITATING TO RESPIRATORY SYSTEM. PROLONGED EXPOSURE MAY CAUSE CHRONIC EFFECTS.

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
TRICHLOROETHYLENE	79-01-6	20 - 30	10 PPM 25 PPM	100 PPM			
Notes							
ACETONE	67-64-1	10 - 15	500 PPM 750 PPM	1000 PPM			
Notes							
VMPNAPHTHA	8032-32-4	10 - 15	300 PPM				
Notes							
PROANE	74-98-6	10 - 15	1000 PPM	1000 PPM			
Notes							
N-BUTANE	106-97-8	10 - 15	1000 PPM				
Notes							
LIGHT ALIPHATIC SOLVENT NAPHTHA	64742-89-8	8 - 10					
Notes							
ODORLESS MINERAL SPIRITS	64742-48-9	3 - 5					
Notes							
XYLENE	1330-20-7	1 - 3	100 PPM 150 PPM	100 PPM			
Notes							
ETHYL BENZENE	100-41-4	0.1- 0.5	100 PPM 125 PPM	100 PPM			
Notes							

NON-HAZARDOUS AND OTHER COMPONENTS BELOW REPORTABLE LEVELS		10 – 20					
Notes							

III. HAZARDS IDENTIFICATION PRIMARY ROUTE OF ENTRY

Eyes:	CAUSES EYE IRRITATION.
Skin:	IRRITATING TO SKIN. PROLONGED OR REPEATED CONTACT CAN RESULT IN DEFATTING AND DRYING OF THE SKIN WHICH MAY RESULT IN SKIN IRRITATION AND DERMATITIS (RASH).
Ingestion:	EXPOSURE BY INGESTION OF AN AEROSOL IS UNLIKELY. MAY CAUSE DELAYED LUNG DAMAGE. COMPONENTS OF THE PRODUCT MAY BE ABSORBED INTO THE BODY BY INGESTION.
Inhalation:	INTENTIONAL MISUSE BY CONCENTRATING AND INHALING THE PRODUCT CAN BE HARMFUL OR FATAL. IRRITATING TO RESPIRATORY SYSTEM. PROLONGED INHALATION MAY BE HARMFUL.
Other:	ROUTES OF EXPOSURE SKIN CONTACT. INHALATION. INGESTION.

IV. FIRST AID MEASURES

Eyes:	IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. GET MEDICAL ATTENTION IMMEDIATELY.
Skin:	REMOVE AND ISOLATE CONTAMINATED CLOTHING AND SHOES. WASH OFF WITH WARM WATER AND SOAP. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS. FOR MINOR SKIN CONTACT, AVOID SPREADING MATERIAL ON UNAFFECTED SKIN.
Ingestion:	IF MATERIAL IS INGESTED, IMMEDIATELY CONTACT A POISON CONTROL CENTER. HAVE VICTIM RINSE MOUTH THOROUGHLY WITH WATER. DO NOT INDUCE VOMITING WITHOUT ADVICE FROM POISON CONTROL CENTER. IF VOMITING OCCURS NATURALLY, HAVE VICTIM LEAN FORWARD TO REDUCE RISK OF ASPIRATION. DO NOT USE MOUTH-TO-MOUTH METHOD IF VICTIM INGESTED THE SUBSTANCE. INDUCE ARTIFICIAL RESPIRATION WITH THE AID OF A POCKET MASK EQUIPPED WITH A ONE-WAY VALVE OR OTHER PROPER RESPIRATORY MEDICAL DEVICE.
Inhalation:	MOVE TO FRESH AIR. OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED. DO NOT USE MOUTH-TO-MOUTH METHOD IF VICTIM INHALED THE SUBSTANCE. INDUCE ARTIFICIAL RESPIRATION WITH THE AID OF A POCKET MASK EQUIPPED WITH A ONE-WAY VALVE OR OTHER PROPER RESPIRATORY MEDICAL DEVICE. CALL A PHYSICIAN IF SYMPTOMS DEVELOP OR PERSIST.

V. FIRE FIGHTING MEASURES

Flash Point:	-156°F (-104.4°C) PROPELLANT
Extinguishing Agents:	ALCOHOL FOAM. DRY CHEMICAL. CARBON DIOXIDE (CO ₂). DO NOT USE WATER JET.
Unusual Fire or Explosion Hazards:	VAPOR OR GAS MAY SPREAD TO DISTANT IGNITION SOURCES AND FLASH BACK. RUNOFF TO SEWER MAY CAUSE FIRE OR EXPLOSION HAZARD.
Fire Fighting Procedures:	IN THE EVENT OF FIRE AND/OR EXPLOSION DO NOT BREATHE FUMES. WEAR FULL PROTECTIVE CLOTHING, INCLUDING HELMET, SELF-CONTAINED POSITIVE PRESSURE OR PRESSURE DEMAND BREATHING APPARATUS,

PROTECTIVE CLOTHING AND FACE MASK. CONTAINERS SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILD UP. FOR MASSIVE FIRE, USE UNMANNED HOSE HOLDERS OR MONITOR NOZZLES; IF THIS IS IMPOSSIBLE, WITHDRAW FROM AREA AND LET FIRE BURN.

Other: SPECIFIC HAZARDS ARISING FROM THE CHEMICAL FIRE MAY PRODUCE IRRITATING, CORROSIVE AND/OR TOXIC GASES.

VI. ACCIDENTAL RELEASE MEASURES

Containment/Cleanup: METHODS FOR CONTAINMENT
ELIMINATE ALL IGNITION SOURCES (NO SMOKING, FLARES, SPARKS, OR FLAMES IN IMMEDIATE AREA). STOP LEAK IF YOU CAN DO SO WITHOUT RISK. MOVE THE CYLINDER TO A SAFE AND OPEN AREA IF THE LEAK IS IRREPARABLE. STOP THE FLOW OF MATERIAL, IF THIS IS WITHOUT RISK. PREVENT ENTRY INTO WATERWAYS, SEWERS, BASEMENTS OR CONFINED AREAS.
METHODS FOR CLEAN UP
SHOULD NOT BE RELEASED INTO THE ENVIRONMENT. USE NON-COMBUSTIBLE MATERIAL LIKE VERMICULITE, SAND OR EARTH TO SOAK UP THE PRODUCT AND PLACE INTO A CONTAINER FOR LATER DISPOSAL.
SMALL SPILLS: WIPE UP WITH ABSORBENT MATERIAL (E.G. CLOTH, FLEECE). CLEAN CONTAMINATED SURFACES THOROUGHLY.

VII. HANDLING AND STORAGE

Other: HANDLING
PRESSURIZED CONTAINER: DO NOT PIERCE OR BURN, EVEN AFTER USE. DO NOT HANDLE OR STORE NEAR AN OPEN FLAME, HEAT OR OTHER SOURCES OF IGNITION. DO NOT USE IF SPRAY BUTTON IS MISSING OR DEFECTIVE. USE ONLY WITH ADEQUATE VENTILATION. DO NOT GET THIS MATERIAL IN CONTACT WITH EYES. DO NOT GET THIS MATERIAL IN CONTACT WITH SKIN. WEAR PERSONAL PROTECTIVE EQUIPMENT. AVOID PROLONGED EXPOSURE.
STORAGE
LEVEL 2 AEROSOL
CONTENTS UNDER PRESSURE. DO NOT PUNCTURE, INCINERATE OR CRUSH. THE PRESSURE IN SEALED CONTAINERS CAN INCREASE UNDER THE INFLUENCE OF HEAT. KEEP AWAY FROM HEAT, SPARKS, AND FLAME. AVOID EXPOSURE TO LONG PERIODS OF SUNLIGHT. STORE IN A COOL PLACE. KEEP IN AN AREA EQUIPPED WITH SPRINKLERS. KEEP OUT OF THE REACH OF CHILDREN. DO NOT STORE, INCINERATE, OR HEAT THIS MATERIAL ABOVE 120 DEGREES FAHRENHEIT.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: WEAR CHEMICAL GOGGLES.

Skin: WEAR APPROPRIATE CHEMICAL RESISTANT GLOVES. WEAR APPROPRIATE CHEMICAL RESISTANT CLOTHING.

Respiratory: WHEN WORKERS ARE FACING CONCENTRATIONS ABOVE THE EXPOSURE LIMIT THEY MUST USE APPROPRIATE CERTIFIED RESPIRATORS. IF PERMISSIBLE LEVELS ARE EXCEEDED USE NIOSH MECHANICAL FILTER/ORGANIC VAPOR CARTRIDGE OR AN AIR-SUPPLIED RESPIRATOR.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: CLEAR COMPRESSED LIQUEFIED GAS
Boiling Point: 113°F (45°C) ESTIMATED
pH: NOT APPLICABLE
Solubility in Water: PARTIALLY

Specific Gravity: 0.7831 ESTIMATED
Vapor Pressure: 55 – 75 PSIG @ 70°F
Physical State: LIQUID; FORM: AEROSOL
Other: FLAMMABILITY (HOC): 29.6273 KJ/G ESTIMATED
 FLASH BACK: YES.

X. STABILITY AND REACTIVITY

Stability: RISK OF IGNITION.

Hazardous Decomposition IRRITANTS. TOXIC GAS. MAY INCLUDE OXIDES OF NITROGEN.

Products:

Conditions To Avoid: HEAT, FLAMES AND SPARKS.

XI. TOXICOLOGICAL INFORMATION

Acute Toxicology Data: ACUTE EFFECTS:
 ACUTE LD50: 14075 MG/KG ESTIMATED, RAT, DERMAL.

Component Toxicology Information: COMPONENT ANALYSIS: LD50
 TOXICOLOGY DATA – SELECTED LD50S AND LC50S
 ACETONE, CAS# 67–64–1; ORAL LD50 RAT 5800 MG/KG
 ETHYL BENZENE, CAS# 100–41–4; INHALATION LC50 RAT 17.2 MG/L 4 H; ORAL
 LD50 RAT 3500 MG/KG; DERMAL LD50 RABBIT 15354 MG/KG
 LIGHT ALIPHATIC SOLVENT NAPHTHA, CAS# 64742–89–8; ORAL LD50 MOUSE
 5000 MG/KG; DERMAL LD50 RABBIT 3000 MG/KG
 N–BUTANE, CAS# 106–97–8; INHALATION LC50 RAT 658 MG/L 4 H
 ODORLESS MINERAL SPIRITS, CAS# 64742–48–9; ORAL LD50 RAT >5000 MG/KG;
 DERMAL LD50 RABBIT >3160 MG/KG
 PROPANE, CAS# 74–98–6; INHALATION LC50 RAT 658 MG/L 4 H
 TRICHLOROETHYLENE, CAS# 79–01–6; INHALATION LC50 RAT 8000 PPM 4 H;
 INHALATION LC50 RAT 26300 PPM 1 H; ORAL LD50 RAT 4290 MG/KG; DERMAL
 LD50 RABBIT >20 G/KG
 VM&P NAPHTHA, CAS# 8032–32–4; INHALATION LC50 RAT 3400 PPM 4 H
 XYLENE, CAS# 1330–20–7; INHALATION LC50 RAT 5000 PPM 4 H; INHALATION
 LC50 RAT 47635 MG/L 4 H; ORAL LD50 RAT 4300 MG/KG; DERMAL LD50 RABBIT
 >1700 MG/KG

Special Hazard Information: SENSITIZATION: NOT EXPECTED TO BE HAZARDOUS BY OSHA CRITERIA.
 CARCINOGENICITY: HAZARDOUS BY OSHA CRITERIA.
 IARC–GROUP 2A (PROBABLY CARCINOGENIC TO HUMANS)
 TRICHLOROETHYLENE, CAS# 79–01–6; MONOGRAPH 63 [1995]; SUPPLEMENT 7
 [1987]
 IARC–GROUP 2B (POSSIBLY CARCINOGENIC TO HUMANS)
 ETHYL BENZENE, CAS# 100–41–4; MONOGRAPH 77 [2000]
 REPRODUCTIVE EFFECTS: COMPONENTS IN THIS PRODUCT HAVE BEEN
 SHOWN TO CAUSE BIRTH DEFECTS AND REPRODUCTIVE DISORDERS IN
 LABORATORY ANIMALS.
 TERATOGENICITY: NOT EXPECTED TO BE HAZARDOUS BY OSHA CRITERIA.
 COMPONENTS IN THIS PRODUCT HAVE BEEN SHOWN TO CAUSE BIRTH
 DEFECTS AND REPRODUCTIVE DISORDERS IN LABORATORY ANIMALS.

XII. ECOLOGICAL INFORMATION

Environmental Fate and Distribution: COMPONENTS OF THIS PRODUCT ARE HAZARDOUS TO AQUATIC LIFE.

XIII. DISPOSAL CONSIDERATIONS

Disposal Method: CONTENTS UNDER PRESSURE. DO NOT PUNCTURE, INCINERATE OR CRUSH. DISPOSE OF THIS MATERIAL AND ITS CONTAINER AT HAZARDOUS OR SPECIAL WASTE COLLECTION POINT. DO NOT ALLOW THIS MATERIAL TO DRAIN INTO SEWER/WATER SUPPLIES. IF DISCARDED, THIS PRODUCT IS CONSIDERED A RCRA IGNITABLE WASTE, D001. DISPOSE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.

RCRA Class: D001*; D018**; D040***

Other: *WASTE FLAMMABLE MATERIAL WITH A FLASH POINT <140°F
 **WASTE BENZENE
 ***WASTE TRICHLOROETHYLENE

XIV. TRANSPORT INFORMATION

D.O.T. Shipping Name: CONSUMER COMMODITY

D.O.T. Hazard Class: ORM-D

Other: PACKAGING EXCEPTIONS: 156,306
 PACKAGING NON BULK: 156,306
 PACKAGING BULK: NONE

XV. REGULATORY INFORMATION

EPA Sara Title III Chemical Listings: THIS PRODUCT IS A "HAZARDOUS CHEMICAL" AS DEFINED BY THE OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200.

U.S. – CERCLA/SARA – SECTION 313– EMISSION REPORTING
 ETHYL BENZENE, CAS# 100–41–4; 0.1% DE MINIMIS CONCENTRATION
 TRICHLOROETHYLENE, CAS# 79–01–6; 0.1% DE MINIMIS CONCENTRATION
 XYLENE, CAS# 1330–20–7; 1.0% DE MINIMIS CONCENTRATION
 OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)
 29 CFR 1910.1200 HAZARDOUS CHEMICAL: YES.
 CERCLA (SUPERFUND) REPORTABLE QUANTITY:
 TRICHLOROETHYLENE: 100.0000
 ACETONE: 5000.0000
 XYLENE: 100.0000
 ETHYL BENZENE: 1000.0000
 SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA)
 HAZARD CATEGORIES:
 IMMEDIATE HAZARD: YES
 DELAYED HAZARD: YES
 FIRE HAZARD: NO
 PRESSURE HAZARD: YES
 REACTIVITY HAZARD: NO
 SECTION 302 EXTREMELY HAZARDOUS SUBSTANCE: NO.
 SECTION 311 HAZARDOUS CHEMICAL: YES.

California: WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

Pennsylvania: U.S.–PENNSYLVANIA–RTK (RIGHT TO KNOW) LIST
 ACETONE: CAS# 67–64–1; ENVIRONMENTAL HAZARD.
 ETHYL BENZENE: CAS# 100–41–4; ENVIRONMENTAL HAZARD.
 LIGHT ALIPHATIC SOLVENT NAPHTHA: CAS# 64742–89–8; PRESENT.
 N–BUTANE: CAS# 106–97–8; PRESENT.
 ODORLESS MINERAL SPIRITS: CAS# 64742–48–9; PRESENT.
 PROPANE: CAS# 74–98–6; PRESENT.
 TRICHLOROETHYLENE: CAS# 79–01–6; ENVIRONMENTAL HAZARD.
 VM&P: CAS# 8032–32–4; PRESENT.
 XYLENE: CAS# 1330–20–7; ENVIRONMENTAL HAZARD.

Other: INVENTORY STATUS:
 COUNTRY(S) OR REGION / INVENTORY NAME / ON INVENTORY (YES/NO)*

CHINA / INVENTORY OF EXISTING CHEMICAL SUBSTANCES IN CHINA (IECSC) / NO.

EUROPE / EUROPEAN INVENTORY OF NEW AND EXISTING CHEMICALS (EINECS) / NO.

EUROPE / EUROPEAN LIST OF NOTIFIED CHEMICAL SUBSTANCES (ELINCS) / NO.

JAPAN / INVENTORY OF EXISTING AND NEW CHEMICAL SUBSTANCES (ENCS) / NO.

KOREA / EXISTING CHEMICALS LIST (ECL) / NO.

UNITED STATES AND PUERTO RICO / TOXIC SUBSTANCES CONTROL ACT (TSCA) INVENTORY / YES*.

*A "YES" INDICATES THAT ALL COMPONENTS OF THIS PRODUCT COMPLY WITH THE INVENTORY REQUIREMENTS ADMINISTERED BY THE GOVERNING COUNTRY(S).

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.