

ULTRA COOL
327 BARTON ST.
STONEY CREEK, ONTARIO L8E 2K8
(905) 664-4667
(905) 664-1739

PRODUCT: 1000015954 & 1000025801 ULTRALCOOL STOP LEAK 4 & 6oz

SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER ULTRA COOL
327 BARTON ST.
STONEY CREEK, ONTARIO
CANADA
L8E 2K8
CANUTEC EMERGENCY #: 1-613-996-6666(24HR)
1-613-966-6666.
PRODUCT NAME UC-311 ULTRALCOOL STOP LEAK 4 & 6oz
CHEMICAL FAMILY MIXTURE.
MOLECULAR WEIGHT NOT APPLICABLE.
CHEMICAL FORMULA MIXTURE.
TRADE NAMES & SYNONYMS
RECOMMENDED PRODUCT USES STOP LEAK.
FORMULA/LAB BOOK # F 11-262/010-3-262/35585.

SECTION 02: HAZARDS IDENTIFICATION



HAZARD CLASSIFICATION Danger.
SIGNAL WORD Danger.
HAZARD STATEMENTS H222 EXTREMELY FLAMMABLE AEROSOL. H229 PRESSURIZED CONTAINER: MAY BURST IF HEATED. H305 MAY BE HARMFUL IF SWALLOWED AND ENTERS AIRWAYS. H315+H320 CAUSES SKIN AND EYE IRRITATION.
PRECAUTIONARY STATEMENTS P102 KEEP OUT OF REACH OF CHILDREN. P103 READ LABEL BEFORE USE. P201 OBTAIN SPECIAL INSTRUCTIONS BEFORE USE.
OTHER HAZARDS No additional information available.

SECTION 03: COMPOSITION/INFORMATION INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
ISOBUTANE	75-28-5	40-70
METHYLENE CHLORIDE	75-09-2	5-10
N-METHYL-2-PYRROLIDONE	872-50-4	1-5
PROPANE	74-98-6	30-60
POLYOL ESTER	Proprietary	1-5

SECTION 04: FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURE IN CASE OF EYE CONTACT, FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION. FOR SKIN, WASH THOROUGHLY WITH SOAP AND WATER. IF AFFECTED BY INHALATION OF VAPOUR OR SPRAY MIST, REMOVE TO FRESH AIR. IF SWALLOWED; DO NOT INDUCE VOMITING, GET MEDICAL ATTENTION.

SECTION 05: FIRE FIGHTING MEASURES

FLAMMABILITY EXTREMELY FLAMMABLE.
IF YES, UNDER WHICH CONDITIONS? EXCESSIVE HEAT, SPARKS AND OPEN FLAME.

PRODUCT: 1000015954 & 1000025801 ULTRALCOOL STOP LEAK 4 & 6oz**SECTION 05: FIRE FIGHTING MEASURES**

SPECIAL PROCEDURES..... WATER FROM FOGGING NOZZLES MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT BUILD-UP IF EXPOSED TO EXTREME TEMPERATURES. FULL PROTECTIVE EQUIPMENT INCLUDING SELF CONTAINED BREATHING APPARATUS SHOULD BE WORN IN A FIRE INVOLVING THIS MATERIAL.

EXPLOSION DATA

SENSITIVITY TO STATIC DISCHARGE..... NOT APPLICABLE.

SENSITIVITY TO IMPACT..... NOT APPLICABLE.

EXTINGUISHING MEDIA..... WATER, CARBON DIOXIDE, DRY CHEMICAL, FOAM.

HAZARDOUS COMBUSTION PRODUCTS..... HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.

AEROSOL FLAME PROJECTION CLASSIFIED AS:..... >45cm.

FLASHBACK..... NOT DETERMINED.

SECTION 06: ACCIDENTAL RELEASE MEASURES

LEAK/SPILL..... REMOVE ALL SOURCES OF IGNITION. USE AN INERT ABSORBENT MATERIAL, AND NON-SPARKING TOOLS. VENTILATE AREA. PREVENT FROM ENTERING A WATERCOURSE.

SECTION 07: HANDLING AND STORAGE

STORAGE NEEDS..... KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES.

ENGINEERING CONTROLS..... VENTILATION - LOCAL (MECHANICAL IF USED INDOORS ON A CONTINUOUS BASIS).

HANDLING PROCEDURES AND EQUIPMENT STORE IN A COOL, WELL VENTILATED AREA NOT TO EXCEED 50 DEG C.

SYNERGISTIC MATERIALS..... NONE KNOWN.

SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
ISOBUTANE	1000 ppm					
METHYLENE CHLORIDE	50 ppm					
N-METHYL-2-PYRROLIDONE	N/A					
PROPANE	1000 ppm					
POLYOL ESTER	n/a					
GLOVES/ TYPE.....						PROTECTIVE GLOVES FOR HYPERSENSITIVE PERSONS.
RESPIRATORY/TYPE.....						IF USED INDOORS ON A CONTINUOUS BASIS, USE OF A CARTRIDGE TYPE RESPIRATOR (NIOSH/MSHATC 23C OR EQUIVALENT) IS RECOMMENDED.
EYE/TYPE.....						SAFETY GLASSES.
FOOTWEAR/TYPE.....						NOT NORMALLY REQUIRED.
OTHER/TYPE.....						NOT REQUIRED.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE..... AEROSOL.

APPEARANCE..... CLEAR PALE YELLOW LIQUID.

ODOR..... HYDROCARBON.

ODOR THRESHOLD..... NOT AVAILABLE.

pH..... NOT APPLICABLE.

FREEZING POINT: (°C)..... -20.

BOILING POINT (°C)(CONC)..... The lowest known value is 39.8c (103.6F) - Methylene Chloride).

FLASH POINT (C), TAG CLOSED CUP..... -40F BASED ON PROPANE/ISOBUTANE.

EVAPORATION RATE..... LESS THAN 1.

n-BUTYL ACETATE = 1

UPPER FLAMMABLE LIMIT..... 9.6.

(% BY VOLUME)

LOWER FLAMMABLE LIMIT..... 2.6.

(% BY VOLUME)

VAPOUR PRESSURE(PSIG)-AEROSOL..... 65-70.

@ 20 C

VAPOUR DENSITY (AIR=1)..... GREATER THAN 1.

PRODUCT: 1000015954 & 1000025801 ULTRALCOOL STOP LEAK 4 & 6oz**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

(BY WEIGHT)
 SPECIFIC GRAVITY (LIQUID)..... 0.83-0.85.
 SOLUBILITY IN WATER g/L (20°C)..... NEGLIGIBLE.
 COEFFICIENT OF WATER/OIL DIST..... NOT AVAILABLE.
 AUTO IGNITION TEMPERATURE (°C)..... NOT APPLICABLE.
 AEROSOL PERCENT VOLATILE..... 99-100.
 (BY WEIGHT).

SECTION 10: STABILITY AND REACTIVITY

HAZARDOUS PRODUCTS OF DECOMPOSITION..... HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.
 CHEMICAL STABILITY:
 YES..... UNDER NORMAL CONDITIONS.
 NO, WHICH CONDITIONS?..... NOT APPLICABLE.
 COMPATIBILITY WITH OTHER SUBSTANCES:
 NO, WHICH ONES?..... STRONG OXIDIZING AGENTS.
 REACTIVITY CONDITIONS?..... NOT APPLICABLE.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
ISOBUTANE	142,500 ppm (4h) INHAL - RAT	NOT APPLICABLE
METHYLENE CHLORIDE	88,000 mg/m ³ (1/2 hr) INHAL - RAT	2100 mg/kg ORAL - RAT
N-METHYL-2-PYRROLIDONE	NOT AVAILABLE	4200 mg/kg ORAL - RAT
PROPANE	NOT AVAILABLE	>5000 mg/kg DERMAL-RABBITS
POLYOL ESTER	n/a	n/a
ROUTE OF ENTRY: INHALATION.....	PROPELLANT IS A SIMPLE ASPHYXIAN. METHYLENE CHLORIDE VAPOURS CAN READILY ACCUMULATE IN POORLY VENTILLATED AREAS AND CAN CAUSE UNCONSCIOUSNESS.	
INGESTION.....	METHYLENE CHLORIDE HAS MODERATE TOXICITY IF INGESTED. IF ASPIRATED, MAY BE RAPIDLY ABSORBED THROUGH THE LUNGS AND RESULT IN INJURY TO OTHER BODY SYSTEMS.	
EYE CONTACT.....	CONTACT MAY CAUSE SLIGHT IRRITATION, REDNESS, WATERING.	
SKIN CONTACT.....	METHYLENE CHLORIDE-PROLONGED OR REPEATED EXPOSURE MAY CAUSE SKIN IRRITATION.	
SKIN ABSORPTION.....	NO DATA AVAILABLE FOR THIS PRODUCT MIXTURE.	
EFFECTS OF ACUTE EXPOSURE.....	METHYLENE CHLORIDE OVEREXPOSURE MAY LEAD TO CENTRAL NERVOUS SYSTEM DEPRESSION AND CARDIAC SENSITIZATION.	
EFFECTS OF CHRONIC EXPOSURE.....	MAY CAUSE DEFATTING DERMATITIS. METHYLENE CHLORIDE MAY HAVE CENTRAL NERVOUS SYSTEM EFFECTS.	
IRRITANCY OF MATERIAL.....	SKIN, EYE, RESPIRATORY, AND CENTRAL NERVOUS SYSTEM DISORDERS.	
CARCINOGENICITY OF MATERIAL.....	METHYLENE CHLORIDE HAS BEEN LISTED AS A POTENTIAL CARCINOGEN BY IARC.	
MUTAGENICITY.....	NO INFORMATION IS AVAILABLE AND NO ADVERSE MUTAGENIC EFFECTS ARE ANTICIPATED.	
TERATOGENICITY.....	NO INFORMATION IS AVAILABLE AND NO ADVERSE TERATOGENIC EFFECTS ARE ANTICIPATED.	
REPRODUCTIVE EFFECTS.....	N-METHYL-2-PYRROLIDONE HAS BEEN FOUND TO CAUSE FETOTOXICITY AND DEVELOPMENTAL EFFECTS IN LABORATORY ANIMALS BUT NO REPRODUCTIVE EFFECTS OR TERATOGENIC EFFECTS.	
SENSITIZING CAPABILITY OF MATERIAL.....	CATECHOLAMINE DRUGS.	

SECTION 12: ECOLOGICAL CONSIDERATIONS

ENVIRONMENTAL..... ENVIRONMENTAL FATE: DUE TO ITS FLUID NATURE AND SPECIFIC GRAVITY, THIS PRODUCT WILL FLOAT OR SPREAD ACROSS WATER MAKING IT A NUISANCE CONTAMINANT. IT IS NOT THOUGHT TO BE TOXIC TO MARINE OR LAND ORGANISMS.

PRODUCT: 1000015954 & 1000025801 ULTRALCOOL STOP LEAK 4 & 6oz**SECTION 13: DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL..... DO NOT PUNCTURE OR INCINERATE CONTAINERS, EVEN WHEN EMPTY. DISPOSE OF IN ACCORDANCE WITH LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.

SECTION 14: TRANSPORTATION INFORMATION

T.D.G. CLASSIFICATION..... CONSUMER COMMODITY (AEROSOLS, UN1950, CLASS 2.1 (6.1)).
D.O.T. CLASSIFICATION..... CONSUMER COMMODITY, ORM-D.

SECTION 15: REGULATORY INFORMATION

CANADIAN REGULATIONS:

WHMIS CLASSIFICATION..... A,B5,D1B,D2A,D2B.
CNFC SECTION 3.3.5..... LEVEL 3.
CEPA (Canadian Environmental Protection Act) ... ALL SUBSTANCES IN THIS PRODUCT ARE LISTED ON THE CANADIAN DOMESTIC SUBSTANCES LIST (DSL) OR ARE NOT REQUIRED TO BE LISTED.

U.S. REGULATIONS:

HMIS RATING HEALTH..... 3 SERIOUS HAZARD.
HMIS RATING FLAMMABILITY..... 4 SEVERE HAZARD.
HMIS RATING REACTIVITY..... 0 MINIMAL HAZARD.
HMIS RATING PERSONAL PROTECTION.. B.
NFPA CODE 30B..... LEVEL 3.
SARA 313 INFORMATION:..... THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:
CAS #: CHEMICAL NAME:
*75-09-2 METHYLENE
CHLORIDE (DICHLOROMETHANE) *872-50-4
N-METHYL-2-PYRROLIDONE.
CALIFORNIA PROPOSITION 65:..... THE FOLLOWING STATEMENT IS MADE IN ORDER TO COMPLY WITH THE CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986:
WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.
CAS #: CHEMICAL NAME:
*75-09-2 METHYLENE
CHLORIDE (DICHLOROMETHANE) *872-50-4
N-METHYL-2-PYRROLIDONE.
TSCA (Toxic Substances Control Act)..... ALL COMPONENT OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY. ANY IMPURITIES PRESENT IN THIS PRODUCT ARE EXEMPT FROM LISTING.
VOC (w/w%)..... 90-92.

SECTION 16: OTHER INFORMATION

NOTICE FROM ULTRA COOL THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET IS PROVIDED BY ULTRA COOL FREE OF CHARGE. WHILE BELIEVED TO BE RELIABLE, IT IS INTENDED FOR USE BY SKILLED PERSONS AT THEIR OWN RISK. ULTRA COOL INC. ASSUMES NO RESPONSIBILITY FOR EVENTS RESULTING OR DAMAGES INCURRED FROM ITS USE. THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED HEREIN AND DOES NOT RELATE TO USE IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY PROCESS.
PREPARED BY..... Regulatory Affairs
PREPARATION DATE DEC 02/2015