CHEM INTERNATIONAL

MATERIAL SAFETY DATA SHEET

EMERGENCY#: CANUTEC (613) 996-6666

PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

PRODUCT NAME: C.I. Loose-All **EFFECTIVE DATE:** January 8, 2009
WHMIS CLASS:
T.D.G. CLASSIFICATION:
UN: CLASS: PG: CHEMICAL FAMILY:
MATERIAL USE: Nut and Bolt Loosener

HAZARDOUS INGREDIENTS

INGREDIENTS	CAS #	Wt%	ACGTH-TLV	LC50	LD50
Petrolatum	8012-95-1	7-13	Not available	Not available	22000mg/kg oral mouse
Ethylene glycol mono butyl ether	111-76-2	1-5	25 ppm TWA	500ppm rat 4hr.	220mg/kg Dermal rabbit
Oxygenated hydrocarbon	64742-88-7	1-5	Not available	Not available	Not available

PHYSICAL DATA

BOILING POINT(^{o}C): 72.2
VAPOUR PRESSURE (psig): 90@75 deg F
VAPOUR DENSITY (Air=1): N.D.
SOLUBILITY IN WATER: Slight
PHYSICAL STATE:
pH (as supplied): @ 20^{o}C
COEF. OF WATER/OIL DIST.:
SPECIFIC GRAVITY (H_20=1): 1.186@ 75^{o}C
PERCENT VOLATILE (by vol.): 83.7
EVAPORATION RATE (H_20=1):
ODOUR THRESHOLD:
FREEZING POINT(^{o}C):
APPEARANCE AND ODOUR: Clear yellowish liquid. Mild sweetish odour.

FIRE AND EXPLOSION DATA

FLAMMABILITY: Spray Non-flammable
FLASH POINT (Deg F method): None up to 150 deg F T.O.C.
UEL: N.A.
LEL: N.A.
HAZARDOUS COMBUSTION PRODUCTS:
MEANS OF EXTINCTION: Foam, dry chemical, carbon dioxide.
SPECIAL FIRE HAZARDS: At elevated temperatures (above 120 deg F) containers may vent, rupture or burst.
SPECIAL FIRE FIGHTING PROCEDURES: Keep containers cool. Use equipment or shielding required to protect personnel against bursting, rupturing, or venting containers.

REACTIVITY DATA

CONDITIONS FOR CHEMICAL INSTABILITY: Stable Do not expose to temp. above 120 deg F
INCOMPATIBILITY: Strong alkalis, oxidizers, aluminum, and other reactive metals.
HAZARDOUS DECOMPOSITION PRODUCTS: Abnormally high temp. possible trace amounts of phosgene.
REACTIVITY: Hazardous polymerization will not occur.

FIRST AID

EYE: Flush eyes with water lifting upper and lower lids. Get medical attention.
SKIN: Wash exposed skin areas with soap and water.
INHALATION: Remove to fresh air, if breathing is difficult administer oxygen. If breathing stops give artificial respiration. Get medical attention.
INGESTION: Do not induce vomiting. Get medical attention. Aspiration of material into lungs due to vomiting can cause chemical pnemonitis. Never give anything by mouth to an unconscious person.

TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: Eyes, skin contact, inhalation, ingestion

EFFECTS OF ACUTE EXPOSURE:

EYE: Can cause severe irritation, redness, tearing, and blurred vision.
SKIN: Prolonged, or repeated contact can cause moderate irritation, defatting, and dermatitis.
INHALATION: Excessive inhalation of vapours can cause respiratory irritation, dizziness, nausea, headaches, unconsciousness, and possible death. Chronic over exposure may cause liver, kidney, or lung disease, anemia, coronary disease, or rhythm disorders of the heart.
INGESTION: Can cause severe gastrointestinal irritation, nausea, vomiting, and diarrhea. Aspiration of material into lungs can cause chemical pneumontitis.

EFFECTS OF CHRONIC EXPOSURE:

IRRITANCY:
RESPIRATORY TRACT SENSITIZATION:
CARCINOGENICITY: Non hazardous by WHIMIS criteria.
REPRODUCTIVE TOXIN: Not sufficient data.
TERATOGENICITY: Not sufficient data.
MUTAGENICITY: Not sufficient data.
SYNERGISTIC MATERIALS: Not available
EXPOSURE LIMITS:

PREVENTATIVE MEASURES

GLOVES: Chemical resistant: Viton or polyvinyl chloride
EYE PROTECTION: Wear safety glasses, or chemical splash goggles where splashing.
RESPIRATORY PROTECTION: Where vapour concentration is 100-1000 ppm, organic vapor respirator. If concentration exceeds 1000 ppm, wear self contained breathing apparatus.
OTHER PROTECTIVE EQUIPMENT: Do not wat, drink, or smoke in work area. Wash hands before eating.
ENGINEERING CONTROLS: Provide sufficient mechanical (general) and/or local exhaust ventilation to maintain exposure below TLV(S)
LEAK AND SPILL PROCEDURE: Clean up area by mopping or with absorbent materials and place in closed containers for disposal. Contact federal, provincial, and local authorities for approved disposal procedures.
WASTE DISPOSAL: When used properly, aerosol products do not generate hazardous waste. Empty depressurized containers can not be reused and should be wrapped and put in a permitted waste management facility. Consult federal, provincial, and local authorities for approved procedures.
STORAGE REQUIREMENTS: Do not store in temperatures above 120 deg F.
HANDLING PROCEDURES:

N/A= NOT APPLICABLE · N/E=NOT ESTABLISHED · N/D=NOT DETERMINED · <=LESS THAN · >=MORE THAN

HMIS HAZARD RATING INFORMATION

FIRE	REACTIVITY	HEALTH	PERSONAL PROTECTION
0	1	2	N/AV

0 – Minimal, 1- Slight, 2 – Moderate, 3 – Serious, 4 – Extreme.

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