

CHEM INTERNATIONAL

MATERIAL SAFETY DATA SHEET

EMERGENCY #: CANUTEC (613) 996-6666

PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

PRODUCT NAME: C.I. Skavenger II

EFFECTIVE DATE: January 9, 2009

WHMIS CLASS: D 1B, D 2A, D 2B B div 3

T.D.G. CLASSIFICATION: 6.1 UN: 2810

PG: III

MATERIAL USE: Grease trap Cleaner.

HAZARDOUS INGREDIENTS

| INGREDIENTS | CAS # | Wt% | TLV | LD50(RAT ORAL) | LC50 |
|---------------------------|------------|--------|------|----------------|-------------------------------------|
| Methylene Chloride | 75-09-2 | 10-30 | N/AV | 2.1g/kg | 88000 mg/m ³ /0.5 hr rat |
| Odourless Mineral spirits | 64742-47-8 | 15-40 | N/AV | 5g/kg | N/D |
| Kerosene Isopropylamine | 8008-20-6 | 50-100 | N/AV | >5000mg/kg | N/D |
| Alkylaryl Sulfonate | 26264-05-1 | 1-5 | N/AV | N/D | N/D |

PHYSICAL DATA

BOILING POINT: N/D

VAPOUR PRESSURE (mm Hg): N/D

VAPOUR DENSITY (Air=1): >1

SOLUBILITY IN WATER: Emulsifiable.

PHYSICAL STATE: Liquid.

PH: N/A

APPEARANCE AND ODOUR: Solvent chlorinated odour. Clear blue liquid.

COEF. OF WATER/OIL DIST.:

SPECIFIC GRAVITY (H₂O=1): 1.16

% VOLATILE (by vol.):

EVAPORATION RATE: (Bu Ac=1)>1

ODOUR THRESHOLD: N/D

FREEZING POINT:

FIRE AND EXPLOSION DATA

FLAMMABILITY: Combustible.

FLASH POINT: 43.3°C

UEL: N/D

LEL: N/D

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide, hydrogen chloride phosgene.

MEANS OF EXTINCTION: Chemical foam, carbon dioxide.

SPECIAL PROCEDURES: Wear full protective gear including self-contained breathing apparatus.

AUTO IGNITION TEMP: N/D

EXPLOSION DATA-SENSITIVITY TO MECHANICAL IMPACT: N/D

STATIC DISCHARGE: N/D

REACTIVITY DATA

CHEMICAL STABILITY: Normall Stable.

INCOMPATIBILITY: High temperatures and Alkaline metals.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition will give off carbon dioxide, carbon monoxide, hydrogen chloride phosgene.

REACTIVITY: N/D

FIRST AID

EYE: Immediately flush with water for 15 minutes holding eyelids apart. Get medical attention if pain or irritation persists.

SKIN: Remove contaminated clothing and flush area with water for 15 minutes. Get medical attention if pain or irritation persists. Launder clothing before reuse.

INHALATION: Move victim to fresh air. If breathing is difficult, give oxygen. Get medical attention.

INGESTION: If swallowed, do not induce vomiting, lung aspiration hazard. Keep victim warm and quiet. Contact physician or poison control centre immediately. **ADDITIONAL INFORMATION:** Note to physician. Because rapid absorption may cause through lungs if aspirated and cause systemic effects, the decision of whether to induce vomiting or not should be made by a physician. If "lavage" is performed, suggest endotracheal and/or oesophageal control. Exposure may cause myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary. No specific antidote. Treatment should be based on the judgement of the physician in response to patients reaction.

TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE:

EYE: Contact may cause stinging or burning, intense watering, conjunctivitis.

SKIN: May cause drying and cracking with irritation. May cause severe response in confined to skin or skin is abraded (scratched or cut).

INHALATION: May cause irritation of nose, eyes and throat, coughing dizziness, nausea and difficulty in breathing. Methylene chloride may affect those with heart conditions. Progressively higher levels over 1000 ppm may cause dizziness, drunkenness. Concentrations as low as 10000 ppm can cause unconsciousness and death. These high levels may also cause cardiac arrhythmias (irregular heartbeats). Excessive exposure may cause carboxyhemoglobinemia, thereby impairing the blood's ability to transport oxygen. In confined and poorly ventilated areas, vapors may readily accumulate and can cause unconsciousness and death.

INGESTION: May cause irritation and burning sensation of lips, mouth and throat, pain in swallowing, gastro-intestinal irritation, abundant salivation, stomach cramps, nausea, vomiting, coma and death.

EFFECTS OF CHRONIC EXPOSURE:

INHALATION: May cause chemical bronchitis, asphyxia.

IRRITANCY: Toxic.

SENSITIZATION: N/D

CARCINOGENICITY: Suspected yes.

REPRODUCTIVE TOXIN: Contains methylene chloride which has been shown to cause cancer in certain laboratory animals. May also effect those with heart conditions. Use only in well ventilated areas. Toluene may be toxic to embryo or fetus and may reduce fertility.

TERATOGENICITY: N/D

MUTAGENICITY: N/D

SYNERGISTIC MATERIALS: N/D

EXPOSURE LIMITS: 64 ppm (1988 ACGIH)

PREVENTATIVE MEASURES

HAND PROTECTION: Rubber or vinyl gloves.

EYE PROTECTION: Face Shield or safety goggles.

RESPIRATORY PROTECTION: Not normally required. For prolonged exposures or TLV is exceeded, use approved organic canister or self contained breathing apparatus.

BODY PROTECTION: Impervious.

FOOT PROTECTION: Impervious.

ENGINEERING CONTROLS: Mechanical ventilation in confined spaces or when TLV is exceeded.

LEAK AND SPILL PROCEDURE: Provide maximum ventilation. Dyke area and pump spilled material into metal containers for disposal or reclaim. Absorb remaining material onto sawdust or vermiculite and place in metal containers for disposal. Then wet vacuum area of spill.

WASTE DISPOSAL: Review federal, provincial and local government requirements prior to disposal.

STORAGE REQUIREMENTS: Store in cool, dry place

HANDLING PROCEDURES: Keep away from heat, sparks and open flames. Handle with reasonable care. Avoid breathing vapors. Concentrated vapors are heavier than air and will collect in low areas such as pits, storage tanks and other confined areas. Enter such areas with proper breathing apparatus and an observer is present.

N/AP= NOT APPLICABLE · N/E=NOT ESTABLISHED · N/D=NOT DETERMINED · N/AV=NOT AVAILABLE
<=LESS THAN - >=MORE THAN

HMIS HAZARD RATING INFORMATION

| FIRE | N/AV | REACTIVITY | N/AV | HEALTH | N/AV | PERSONAL PROTECTION | N/AV |
|---|------|------------|------|--------|------|---------------------|------|
| 0 – Minimal, 1- Slight, 2 – Moderate, 3 – Serious, 4 – Extreme. | | | | | | | |

DISCLAIMER: Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases, data is not available and is so stated. Since conditions of actual product use are beyond the control of the supplier, it is assumed that the user of this material has been fully trained according to the mandatory requirements of WHIMIS. No warranty, expressed or implied is made, and supplier will not be liable for any losses, injuries, or consequential damage that may result from the use or reliance on any information contained in this form.

CHEM INTERNATIONAL

18043 – 107 Avenue

Edmonton, Alberta

T5S 1K3

1-800-665-7287