

HALL CHEM MFG. INC.1270 rue Nobel
Boucherville Qc J4B 5H1

Tel. : (450) 645-0296

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MATERIAL SAFETY DATA SHEET**EMERGENCY : CANUTEC (613) 996-6666****MSDS : 1150NP-2****PRODUCT IDENTIFICATION AND USE**

NAME OF PRODUCT : Parts cleaner

USE OF PRODUCT : diluent, organic solvent

TRANSPORTATION OF DANGEROUS GOODS

SHIPPING NAME : Petroleum distillates, N.O.S. container > 450 L

WHMIS CLASSIFICATION: B3

P.I.N. : UN 1268

PRIMARY CLASS : 3

PACKING GROUP : III

SUBSIDIARY CLASS :

COMPONENTS

COMPOSITION	% V/V	CASE #	LD ₅₀ mg/kg Oral/rat	LC ₅₀ ppm 4h	TLV ppm 8h
Mineral spirits	100	64742-88-7	8,0	1400,0	
Benzene	<10 ppm	71-43-2	5600,0	13700,0	

PHYSICAL CHARACTERISTICS

PHYSICAL STATE : Liquid	APPEARANCE : Colorless	ODOR : Hydrocarbon	ODORTRESHOLD : Not available
VAPOR TENSION : 9,75	VAPOR DENSITY (air = 1) : 4,8	EVAPORATING RATE : Not available	
BOILING RANGE : 157°C	FREEZING POINT : Not available	pH : Not applicable	
DENSITY (g/mL) : 0,79 to 60°F	DISTRIBUTION FACTOR WATER/OIL : Not available	SOLUBILITY IN WATER (25°C) : Insoluble	

REACTIVITY DATA

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CHEMICAL STABILITY : Stable

INCOMPATIBILITY WITH OTHER PRODUCTS : Avoid strong alkalis and mineral acids.

REACTIVITY CONDITIONS : No hazardous polymerization. Avoid excessive heat, open flames and all ignition sources.

EXPLOSION AND FIRE RISKS

FLAMMABILITY :

EXTINGUISHING METHODS : Use dry chemical, carbon dioxide, foam, water fog.

FLASH POINT : 42°C, Tag closer cup

AUTO-IGNITION TEMPS. : 240°C

FLAMMABILITY (% per volume)

SUPERIOR LIMIT : 5,0

LOWER LIMIT : 1,0

HAZARDOUS COMBUSTION PRODUCT : Vapor forms a flammable/explosive mixture with air between upper and lower flammable limits. Carbon dioxide, carbon monoxide and various hydrocarbons.

EXPLOSIBILITY DATA : ND

TOXICOLOGICAL PROPERTIES

ABSORPTION WAYS			CONTACT						
SKIN	√	INHALATION	√	INGESTION	√	WITH SKIN	√	EYES	√

EFFECTS OF EXPOSURE TO PRODUCT : Product is irritant for skin, eyes, nose, respiratory tract and can cause a gastrointestinal irritation with nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

PREVENTIVE MEASURES

PROTECTIVE EQUIPMENT : Gloves, security glasses and protective apron.

GLOVES : Rubber, nitrile, neoprene

RESPIRATORY SYSTEM : If exposure exceeds occupational exposure limits.

OCULAR INSTRUMENT : Chemical safety goggles and/or full face shield

CLOTHING : Clothing covering arms and legs.

TECHNICAL CONTROL : Ventilation

PROCEDURE IN CASE OF LEAKS/SPILLS : Small spill: Absorb liquid on paper, vermiculite, floor absorbent, or other absorbent material and transfer in containers tightly closed. Large spill: Eliminate all ignition sources (flares, flames including pilot lights, sparks, electricity). Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up and sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers.

WASTE DISPOSAL: Dispose of in accordance with all local, provincial and federal regulations.

HANDLING : Handle and open the containers with precaution. Do not weld or cut the containers because they can



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contain residues from flammable vapors. Do not heat or pressurize containers. Do not put any non-combustible material in empty containers, violent chemical reactions can occur. Do not eat or drink on working areas. Respect a good personal hygiene after manipulation of the product. Keep containers electrically grounded specially during manipulation or while transferring. The material can accumulate static.

STORAGE : In a cool, dry and well ventilated area. Keep away from incompatible material and from sources of ignition (naked flames, sparks, electricity). Keep the containers grounded especially during pumping and transfer operations.

FIRST AID

SKIN : Wash with soap and water for at least 20 minutes. Remove contaminated clothing while rinsing. If irritation persists, obtain medical attention.

EYES : Flush eyes with water for at least 20 minutes while holding eyelids open. Obtain medical attention.

INHALATION : Remove patient to fresh air. Help to the respiration, if needed. If breathing has stopped, give artificial respiration. Contact a physician.

INGESTION : Do not induce vomiting. Call a physician. Aspiration of material into the lungs due to vomiting can cause chemical pneumonitis which can be fatal.

NOTES TO PHYSICIAN : The main hazard following accidental ingestion is aspiration of the liquid into the lungs producing chemical pneumonitis. Cardiac arrhythmia have been reported with solvent exposure. If more than 2,0 mL/kg has been ingested, vomiting should be induced with supervision. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before vomiting, gastric lavage with a cuffed endotracheal tube should be considered.

INFORMATION ON THE M.S.D.S. PREPARATION

PREPARED BY :
Hall Chem Mfg. Inc.

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REVISED January 2015

NOTE :

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