

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 : 800-2****PRODUCT IDENTIFICATION AND USE****NAME OF PRODUCT :** Hydraulic oil (AW22/32/46/68/100/150 HT)**USE OF PRODUCT :** used for the lubrication of hydraulic systems**TRANSPORTATION OF DANGEROUS GOODS****SHIPPING NAME :****P.N.I. :** Not available**PACKING GROUP :****WHMIS:** Non controlled product**PRIMARY CLASS :****SUBSIDIARY CLASS :****COMPONENTS**

COMPOSITION	% V/V	CASE #	LD ₅₀ mg/kg Oral/rat	LC ₅₀	TLV ppm 8h
Lubricating oils (petroleum)	40-95	64742-58-1	>15 000	Not available	5mg/m ³
Residual oils not paraffinic	0-50	64742-62-7	Not available	Not available	5mg/m ³
Lubricating oils neutral	0-25	72623-86-0	Not available	Not available	5mg/m ³

PHYSICAL CHARACTERISTICS

PHYSICAL STATE : Liquid	APPEARANCE : Red, viscous	ODOR : Petroleum	ODORTRESHOLD : Not available
VAPOR TENSION : Not available	VAPOR DENSITY : Not available	EVAPORATING RATE : Not available	
BOILING RANGE : 260°C (500°F)	FREEZING POINT : Not available	pH : Not applicable	
DENSITY (g/mL) : approx. 0,85 to 0,88 at 15,5°C (60°F)	DISTRIBUTION FACTOR WATER/OIL : Not available	SOLUBILITY IN WATER (25°C) : Insoluble	

REACTIVITY DATA**CHEMICAL STABILITY :** Stable

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INCOMPATIBILITY WITH OTHER PRODUCTS : Avoid strong oxidizing agents (ex : chlorates, peroxides, strong acids)

REACTIVITY CONDITIONS : No hazardous polymerization. Avoid excessive heat and formation of vapours or mists.

EXPLOSION AND FIRE RISKS**FLAMMABILITY :**

EXTINGUISHING METHODS : Carbon dioxide, foam, dry chemical, water spray. Use water jet to cool fire exposed containers.

FLASH POINT : 171°C (340°F), Cleveland open cup

AUTO-IGNITION TEMPS. : Not available

FLAMMABILITY (% per volume)

SUPERIOR LIMIT : Not available

LOWER LIMIT : Not available

HAZARDOUS COMBUSTION PRODUCT : Thermal decomposition and burning may produce carbon monoxide, carbon dioxide, and dense smoke.

EXPLOSIBILITY DATA : Not available

TOXICOLOGICAL PROPERTIES

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

EFFECTS OF EXPOSURE TO PRODUCT : Inhalation of oil mist or vapours from hot oil may cause irritation of the upper respiratory tract. Prolonged or repeated contact may cause various forms of dermatitis including folliculitis and oil acne. Long term intensive exposure to oil mist may cause benign fibrosis.

PREVENTIVE MEASURES

PROTECTIVE EQUIPMENT : Gloves, security glasses and protective apron.

GLOVES : Viton, nitrile, neoprene, PVC

RESPIRATORY SYSTEM : Respirator approved by NIOSH / MSHA

OCULAR INSTRUMENT : Chemical safety goggles

CLOTHING : Resistant to product

TECHNICAL CONTROL : Mechanical or local ventilation

PROCEDURE IN CASE OF LEAKS/SPILLS : Eliminate all ignition sources. Isolate hazard area and restrict access. Wear appropriate breathing apparatus and protective clothing. Try to work upwind of spill. Dike and contain land spills; contain water spills by booming. For large spills remove by mechanical means and place in



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containers. Absorb residue or small spills with absorbent material and remove to non-leaking containers for disposal. Flush area with water to remove trace residue.

HANDLING : Avoid excessive heat, formation of oil mist, breathing of vapours and mist of hot oil and prolonged or repeated contact with skin. Launder contaminated clothing prior to reuse. Properly dispose of contaminated leather articles, including shoes, that cannot be decontaminated.

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

STORAGE : Store in cool, dry well-ventilated area. Keep away from ignition sources (open flame, sparks and electricity).

FIRST AID

SKIN : Remove contaminated clothing. Wash exposed area with soap and water for at least 15 minutes.

EYES : Flush eyes with water for 15 minutes while holding eyelids apart. Get medical attention .

INHALATION : Remove to fresh air. Administer artificial respiration if breathing is stopped. Get medical attention.

INGESTION : Do not induce vomiting. Get medical attention immediately.

NOTE TO PHYSICIAN: In general, lubricating oils have low oral toxicity. High pressure injection under the skin may have serious consequences and may require urgent treatment.

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

PREPARED BY :
Hall Chem Mfg. Inc.

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NOTE :

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