

NOR-LAKES SERVICES MIDWEST, INC.

13615 Fenway Blvd Ct North Hugo, MN 55038 (651) 407-6044
24 Hour Emergency Number (651) 603-7052

HAZARD RATING*

TOXICITY 0
FIRE 1
REACTIVITY 0
SPECIAL

Section I

MATERIAL SAFETY DATA SHEET (SIMILAR TO OSHA 20)

Material AW HYDRAULIC OIL	Code	Key	Freight Class.
	Date Issued 2/10/2003		
Formula Proprietary	Chemical Name or Synonyms Hydrocarbon mixture		

Section II

IMPORTANT COMPONENTS

None Hazardous

Permissible Exposure Concentration: Not Determined

Section III

PHYSICAL DATA

Appearance - Odor - pH: Amber colored liquid - Mild - Neutral		Viscosity-
Evaporation Rate (butyl acetate=1) Slower than ether		Varies by grade
Melting or Freezing Point n/a	Boiling Point: above 600° F	Vapor Pressure (mm Hg) n/a
Solubility in water Negligible	Vapor Density (air=1) Heavier than air	Specific Gravity (water=1) 0.9
Percent Volatile (by wt.) Negligible		

FIRE AND EXPLOSION HAZARD DATA

Flash Point > 350° F	Lower Explosion Limit (%) NA Upper Explosion Limit (%) NA	Auto Ignition Temp. n/a
Extinguishing Media: X CO2	"Alcohol" Foam X Dry Chemical	X Foam Water Fog
Special Fire Fighting Procedures Use self contained breathing apparatus with full face piece and protective clothing. Use water spray to cool fire-exposed containers		
Unusual Fire and Explosion Hazards Toxic fumes may be given off by burning.		

Section IV

HEALTH HAZARD DATA

Effects of Exposure Eyes: Slight to moderate irritation. Skin: Slight irritation with prolonged or repeated exposure. Oral: Low oral toxicity. Other: Avoid aspiration - may cause pulmonary injury.
Emergency and First Aid Procedures Inhalation: Move subject to fresh air. Obtain medical attention if symptoms persist. Eye and Skin Contact: Flush eyes with large amounts of water for at least 15 minutes. Consult a physician if irritation persists. Wash affected skin areas with soap and water. Ingestion: DO NOT INDUCE VOMITING unless directed by a physician. If unconscious, prevent aspiration of vomitus by placing face down in prone position with head turned to one side. Obtain immediate medical advice and/or attention.

*Health Hazard Ratings: 4 = Extreme / 3 = High / 2 = Moderate / 1 = Slight / 0 = Insignificant

Section V**REACTIVITY DATA**

Stability Stable X / Unstable	Conditions to avoid Keep away from heat or flame.
Hazardous Decomposition Products Oxides of carbon, zinc, phosphorus	
Hazardous Polymerization May occur / Will not occur X	Conditions to Avoid
Incompatibility (Materials to Avoid) Strong Oxidizers	

Section VI**SPILL OR LEAK PROCEDURE****Steps to be taken in case material is released or spilled**

Remove contaminated clothing and wash affected skin areas with soap and water. Wash clothing before reuse. Dike and contain spill with inert material (sand, earth, fuller's earth, etc.) and transfer liquid and solid diking material to separate containers for recovery or disposal. Floor may be slippery -- use care to avoid fall. Keep spill out of all sewers and open bodies of water.

Waste Disposal Methods

Incinerate liquid in approved equipment. Landfill contaminated diking material according to current local, state and federal regulations.

Section VII**SPECIAL PROTECTION INFORMATION****Ventilation Type**

Normal room ventilation.

Respiratory Protection

None required under normal conditions of use.

Protective Gloves

Chemical Resistant

Eye Protection

Use goggles or face shield if eye contact may occur.

Other Protective Equipment

Eye wash facility if needed. Wash soiled clothing when not in use.

Section VIII**STORAGE AND LABELING**

Storage Temperature Max. Min.	Indoor	Heated	Refrigerated	Outdoor
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Keep in cool, dry area away from heat & flame.
Keep containers and storage vessels closed when not in use.

Section IX**TOXICITY INFORMATION**

Avoid misting while handling - TLV 5mg/m3 A,B

Section X**MISCELLANEOUS INFORMATION****Section 313 (Title III Superfund Amendment and Reauthorization Act):**

This product contains the following chemical (s) subject to the reporting of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: The corresponding CAS number and percent by weight are also provided.

n/a

NA = Not Applicable C = Ceiling Value	Key	Date of Issue 2/10/2003	Supersedes 1/1/2001
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The information contained herein is based on data considered accurate, however, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury or third person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Vendee assumes the risk in use of the material.