

**View Section : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16****SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION**

(N/A)

**Product Name:** **Norseman Drill Ultra Lube**  
**Synonyms:** Not Applicable.

**CAS Number:** Mixture.

**Manufacturer Name:** Lubrication Technologies, Inc.  
**Address:** 900 Mendelssohn Avenue North  
 Golden Valley, MN 55427-4309  
 Emergency: 763-545-0707

**Product Description:** Type: Metalworking Fluid Additive.

**Business Phone:** 763-545-0707  
**Business Fax:** 763-545-9256

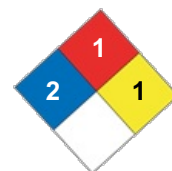
**CHEMTREC Numbers:**  
**For emergencies in the US, call CHEMTREC: 800-424-9300**

**Revision Date:** 6/24/99  
 Version: 3  
 NFPA 704:  
 Protection Index: Not Applicable.

NPCA - HMIS:  
 Specific Hazard: Not Applicable.

Key:  
 0 = Minimal  
 1 = Slight  
 2 = Moderate  
 3 = Serious  
 4 = Severe

**Product Codes:** 80597500

**NFPA****HMIS**

|            |   |
|------------|---|
| HEALTH     | 1 |
| FIRE       | 1 |
| REACTIVITY | 1 |
| PPE        | B |

[To Top of page](#)
**SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS**

(N/A)

| Ingredient Name   | CAS#               | Ingredient Percent |
|---|--------------------|--------------------|
| Chlorinated paraffin waxes<br>(C <sub>x</sub> H <sub>((x*2)+2-y))</sub> Cl <sub>y</sub> | Mixture            | 100                |
| OSHA PEL TWA:   | 5 mg/m3 (oil mist) |                    |
| OSHA STEL/Ceiling:  | 5 mg/m3 (oil mist) |                    |
| ACGIH TLV TWA:  | 5 mg/m3 (oil mist) |                    |
| EC Index Number:  | 1                  |                    |
| Skin:   | No                 |                    |

[To Top of page](#)
**SECTION 3 : HAZARDS IDENTIFICATION**

(N/A)

**Emergency Overview:** WARNING: MAY CAUSE EYE IRRITATION.  
 PROLONGED OR REPEATED CONTACT MAY CAUSE DERMATITIS.  
 HOT VAPORS MAY CAUSE RESPIRATORY IRRITATION.  
 HARMFUL IF SWALLOWED.

**Chlorinated paraffin waxes**  
**(C<sub>x</sub>H<sub>((x\*2)+2-y))</sub>Cl<sub>y</sub> :**

**Potential Health Effects:**

**Eye Contact:** This product contains materials that can cause mild eye irritation with discomfort, tearing, or blurring of vision.

**Skin Contact:** Low order of toxicity. Frequent or prolonged contact may irritate through skin sensitization. Individuals with sensitive skin may develop dermatitis.

**Inhalation:** Not expected to be an inhalation hazard at ambient temperatures.

**Ingestion:** Do not ingest. Primary danger is due to lung aspiration. Aspiration may lead to chemical pneumonitis, which is characterized by pulmonary edema and hemorrhage and may be fatal. Signs of lung involvement include increased respiratory rate, increased heart rate, and a bluish discoloration of the skin. Coughing, choking, and gagging are often noted at the time of aspiration. Gastrointestinal discomfort may develop, followed by vomiting with a further risk of aspiration. This product has laxative properties and may result in abdominal cramps and diarrhea.

**Other Potential Health Effects:** Not applicable.

[To Top of page](#)


**SECTION 4 : FIRST AID MEASURES**

: (N/A)

|                  |   |
|------------------|---|
| Eye Contact:     | Immediately flush eyes with large amounts of water and continue flushing until irritation subsides. If irritation persists, call a physician. If material is hot, treat for thermal burns and take victim to hospital immediately.  |
| Skin Contact:    | Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs, seek medical attention. If material is hot, submerge injured area in cold water. If victim is severely burned, remove to a hospital immediately. Wash contaminated clothing before reuse. |
| Inhalation:      | If overcome by inhalation of hot vapors, remove to fresh air. Use oxygen if there is difficulty breathing or artificial respiration if breathing has stopped. Do not leave victim unattended. Seek immediate medical attention if necessary.  |
| Ingestion:       | DO NOT INDUCE VOMITING. Do not induce vomiting due to lung aspiration hazard unless directed by a physician. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. If vomiting occurs, lower head below knees to avoid aspiration. Seek immediate medical attention.      |
| Other First Aid: | Not applicable.   |

[To Top of page](#)**SECTION 5 : FIRE FIGHTING MEASURES**

: (N/A)

|                                  |   |
|----------------------------------|---|
| Fire:                            | Flammable Limits: Not determined.   |
| Explosion:                       | Not determined. Care should always be exercised in dust/mist areas.   |
| Flash Point:                     | 177 deg C (350 deg F) minimum.  |
| Flash Point Method:              | Cleveland Open Cup Tester.  |
| Auto Ignition Temperature:       | Not determined.   |
| Extinguishing Media:             | Use dry chemical, foam, water fog, or carbon dioxide.   |
| Hazardous Combustion Byproducts: | Oxides of carbon and chlorine. Combustion can produce hydrogen chloride (acid) gas. Additional byproducts include hydrogen sulfide, alkyl mercaptans and other sulfides.  |
| Fire Fighting Instructions:      | Recommend wearing self-contained breathing apparatus. Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid. |
| Unusual Fire Hazards:            | Dense smoke may be generated while burning. Toxic fumes, gases or vapors may evolve on burning. Heavy flammable vapors may settle along ground level and low spots to create an invisible fire hazard. The vapors may extend to sources of ignition and flash back.                   |
| Other:                           | Not determined.   |

[To Top of page](#)**SECTION 6 : ACCIDENTAL RELEASE MEASURES**

: (N/A)

|              |   |
|--------------|---|
| Land Spill:  | Immediately turn off or isolate and source of ignition (pilot lights, electrical equipment, flames and heaters). Evacuate area and ventilate. Personnel wearing proper personal protective equipment should contain spill immediately with inert materials (sand, earth, chemical spill pads of cotton) by forming dikes. Dikes should be placed to contain spill in a manner that will prevent material from entering sewers and waterways. Large spill, once contained, may be picked up using explosion-proof, non-sparking vacuum pumps, shovels, or buckets, and disposed of in suitable containers for disposal. If a large spill occurs, notify appropriate authorities. |
| Water Spill: | Remove from surface by skimming or with suitable absorbents. If a large spill occurs, notify appropriate authorities.   |
| Other:       | All disposal must comply with federal, state, and local regulations. The material, if spilled or discarded may be a regulated waste. Refer to state and local regulations. Department of Transportation (DOT) regulations may apply for transporting this material when spilled. See Section 14.<br><br>CAUTION - If spilled material is cleaned up using a regulated solvent, the resulting waste mixture may be regulated.  |

[To Top of page](#)**SECTION 7 : HANDLING and STORAGE**

: (N/A)

|                         |   |
|-------------------------|---|
| Handling:               | Keep containers closed when not in use. Do not transfer to unmarked containers. Fire extinguishers should be kept readily available. See NFPA 30 and OSHA 1910.106 – Flammable and Combustible Liquids. Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, weld, glaze, or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse. |
| Storage:                | Store containers away from heat, sparks, open flame, or oxidizing materials.  |
| Additional Information: | No additional information.  |

[To Top of page](#)**SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION**

: (N/A)

|                               |   |
|-------------------------------|---|
| Engineering Controls:         | Local Control Measures: Use adequate ventilation when working with material in an enclosed area. Mechanical methods such as fume hoods or area fans may be used to reduce localized vapor/mist areas. If vapor or mist is generated when the material is heated or handled, adequate ventilation in accordance with good engineering practice must be provided to maintain concentrations below the specified exposure. Eyewash stations and showers should be available in areas where this material is used and stored. |
| Personal Protective Equipment | Applicable mainly to persons in repeated contact situations such as   |

|                                     |  |
|-------------------------------------|--|
| <b>Routine Handling:</b>            | packaging of product, service and maintenance, and cleanup/spill control personnel.  |
| <b>Hand Protection Description:</b> | Impervious gloves such as neoprene or nitrile rubber to avoid skin sensitization and absorption.   |
| <b>Eye/Face Protection:</b>         | Eye protection is always recommended. If material is handled such that it could be splashed into the eyes, wear safety glasses with side shields or vented/plash proof goggles (ANSI Z87.1 or approved equivalent).  |
| <b>Respiratory Protection:</b>      | None required if airborne concentrations are maintained below threshold limits listed in Section 2. Otherwise a respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed. Where misting may occur, wear an MSHA/NIOSH approved (or equivalent) half-mask form dust/mist air-purifying respirator. |
| <b>Other Protective:</b>            | Use of an apron and overboots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. If handling hot material use insulated protective equipment. Launder soiled clothes. Properly dispose of contaminated leather articles and other materials which cannot be decontaminated. |
| <b>Other:</b>                       | Consumption of food and drink should be avoided in work areas where product is present. Avoid wearing materials and objects that may trap materials against the skin and cause an allergic skin reaction. Always wash hands and face with soap and water before eating, drinking or smoking.   |

[To Top of page](#)



## SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

: (N/A)

|                                   |  |
|-----------------------------------|--|
| <b>Physical State/Appearance:</b> | Thick fluid.   |
| <b>Color:</b>                     | Yellow to amber.   |
| <b>Odor:</b>                      | Mild hydrocarbon odor.   |
| <b>Vapor Pressure:</b>            | Not determined.  |
| <b>Vapor Density:</b>             | (Air=1): Not determined.   |
| <b>Boiling Point:</b>             | Not determined.  |
| <b>Solubility:</b>                | Negligible in water, soluble in hydrocarbon solvents.                |
| <b>Specific Gravity:</b>          | 1.2  |
| <b>Density:</b>                   | 9.7 lb/gal at 15.6 deg C (60.0 deg F).                               |
| <b>Evaporation Point:</b>         | (n-Butyl Acetate=1): Negligible.                                     |
| <b>Percent Volatile:</b>          | Negligible.  |
| <b>Viscosity:</b>                 | 32 cSt at 100 deg C (212 deg F).<br>960 cSt at 40 deg C (104 deg F). |
| <b>Pour Point:</b>                | Not determined.  |
| <b>Other:</b>                     | Not applicable.  |
| <b>API Gravity:</b>               | Not determined.  |

[To Top of page](#)



## SECTION 10 : STABILITY and REACTIVITY

: (N/A)

|  |  |
|--|--|
| <b>Chemical Stability:</b>                     | Material is stable at ambient conditions.  |
| <b>Conditions to Avoid:</b>                    | Avoid high temperatures and product contamination.   |
| <b>Incompatibilities with Other Materials:</b> | Avoid contact with strong oxidizers and reducing agents, strong alkalis.   |
| <b>Hazardous Polymerization:</b>               | Will not occur.  |
| <b>Hazardous Decomposition Products:</b>       | Smoke, carbon monoxide and dioxide, and other aldehydes of incomplete combustion. Oxides of carbon and chlorine. Hydrogen chloride gas may be evolved upon combustion. Hydrogen sulfide and alkyl mercaptans and other sulfides may be released. |
| <b>Other:</b>                                  | Not applicable.  |

[To Top of page](#)



## SECTION 11 : TOXICOLOGICAL INFORMATION

: (N/A)

### Chlorinated paraffin waxes (C<sub>x</sub>H<sub>((x\*2)+2-y))Cl<sub>y</sub></sub> :

|   |  |
|---|--|
| <b>Skin Effects:</b>                    | Dermal: Not determined.  |
| <b>Ingestion Effects:</b>               | Oral: Not determined.  |
| <b>Inhalation Effects:</b>              | Not expected to be an inhalation hazard at ambient temperatures. Based on data from similar materials.   |
| <b>Chronic Effects:</b>                 | Not determined.  |
| <b>Carcinogenicity:</b>                 | Chlorinated paraffins are a class of compounds that are similarly manufactured but which vary in molecular structure by carbon chain length and deg of chlorination. This particular product has not been shown to have adverse health effects. While tests have been conducted by the National Toxicology Program on other specific chlorinated paraffins, the relevance of these studies to this particular material, if any, has not been determined. |
| <b>Mutagenicity:</b>                    | Not determined.  |
| <b>Sensitization:</b>                   | Dermal: Not expected to be a primary skin irritant. Based on data from supplier. Prolonged or repeated contact may cause dermatitis.   |
| <b>Reproductive Toxicity:</b>           | Not determined.  |
| <b>Other Toxicological Information:</b> | Not determined.  |

[To Top of page](#)



## SECTION 12 : ECOLOGICAL INFORMATION

: (N/A)

|                     |  |
|---------------------|--|
| <b>Ecotoxicity:</b> | This material may be toxic to aquatic organisms and should be kept out of sewage and drainage systems and all bodies of water. |
|---------------------|--|

Environmental Fate: No data available.

Other: Not applicable.

[To Top of page](#)



### SECTION 13 : DISPOSAL CONSIDERATIONS

: (N/A)

**Waste Disposal:** All disposal must comply with federal, state, and local regulations. The material, if spilled or discarded may be a regulated waste. Refer to state and local regulations. Department of Transportation (DOT) regulations may apply for transporting this material when spilled. See Section 14.

Disposal Considerations: Place used, contaminated, or excess material into disposal containers and dispose of in a manner consistent with local and state regulations. Contact local environmental or health authorities for approved disposal of this material. Most used oil is reclaimed or incinerated.

**RCRA Hazard Class:** Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state, and local laws.

**Other:** Not applicable.

[To Top of page](#)



### SECTION 14 : TRANSPORT INFORMATION

: (N/A)

**DOT Shipping Information:** Other: See 49 CFR for additional requirements for descriptions, allowed modes of transport, and packaging. For more information concerning spills during transport, consult latest DOT Emergency Response Guidebook for Hazardous Materials Incidents, DOT P 5800.3

**DOT Shipping Name:** Petroleum products, N.O.S.

**DOT Hazard Class:** Not applicable.

**DOT Identification Number:** UN1268

**DOT Packing Group:** Not applicable.

[To Top of page](#)



### SECTION 15 : REGULATORY INFORMATION

: (N/A)

#### Chlorinated paraffin waxes (C<sub>x</sub>H<sub>((x\*2)+2-y))Cl<sub>y</sub></sub> :

**TSCA 8(b): Inventory Status:** All components of this material are listed in the U.S. TSCA Inventory.

Other TSCA: Not applicable.

**Section 302:** Extremely Hazardous Substances: None.

**Section 304:** For stationary sources ☐ reportable quantity: None.  
Due to: Not applicable.

For moving sources ☐ reportable quantity: None.  
Due to: Not applicable.

#### **Section 312 Hazard Category:**

Acute: No  
Chronic: No  
Fire: No  
Reactive: No  
Pressure: No

**Section 313 Toxic Release Form:** Chemicals: This product is not considered to be subject to the Section 313 provisions of SARA Title III.

**Section 116.4 part 117: Clean Water Act** Oil Pollution Act: Under Section 311 of the Clean Water Act (40 CFR 110), and the Oil Pollution Control Act of 1990, this material is considered an oil. Any spills or discharges that produces a visible sheen or film on surface water, or in waterways, ditches, or sewers leading to surface water must be reported. Contact the national Response Center at 800-424-8802.

**Other:** Not applicable.

[To Top of page](#)



### SECTION 16 : ADDITIONAL INFORMATION

: (N/A)

**HMIS:**

Health Hazard: 1  
Fire Hazard: 1  
Reactivity: 1  
Personal Protection: B

**NFPA:**

Health: 2  
Fire Hazard: 1  
Reactivity: 1  
Specific Hazard: None

**Label Precautions:** MAY CAUSE EYE IRRITATION.  
PROLONGED OR REPEATED CONTACT MAY CAUSE DERMATITIS.

HOT VAPORS MAY CAUSE RESPIRATORY IRRITATION.  
HARMFUL IF SWALLOWED.

**MSDS Revision Date:**

6/24/99  
Version: 3

**Revisions:**

Modified MSDS format to fit the ANSI 16 section format.  
Updated component information.  
Updated synonyms list.

**MSDS Author:**

Robert D. Bentz

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File: 80597500

**NFPA 704:**

Protection Index: Not Applicable

**NPCA - HMIS:**

Specific Hazard: Not Applicable

**Key**

0 = Minimal  
1 = Slight  
2 = Moderate  
3 = Serious  
4 = Severe

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[To Top of page](#)

