

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

Product Name Terand Open Gear Lubricant

**Other means of identification**

Product Code TB-78000000-00

**Details of the supplier of the safety data sheet**Company Name CHEM-MASTER ACQUISITIONS, LLC  
PO Box 220908  
St. Louis, MO 63122  
800-592-5080**Emergency telephone number**

Emergency Telephone CHEMTEL 1-800-255-3924

### 2. HAZARDS IDENTIFICATION

**Classification**

Flammable Aerosol	Category 1
Gases Under Pressure	Liquefied Gas
Skin Irritant	Category 2
Aspiration Hazard	Category 1

**Label elements****Emergency Overview****DANGER****Hazard statements**

Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes skin irritation. May be fatal if swallowed and enters airways.

**Appearance:** Dark brown viscous spray**Physical state:** Liquefied Gas**Odor:** Petroleum odor

**Precautionary Statements - Prevention**

Keep away from heat, sparks, open flames, and hot surfaces. -No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Wash hands thoroughly after handling. Wear protective gloves.

**Precautionary Statements - Response**

If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse. If swallowed: Immediately call a poison center or doctor. Do NOT induce vomiting.

**Precautionary Statements - Storage**

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place.

**Precautionary Statements - Disposal**

Dispose of contents and container in accordance with local, state and federal regulations.

**Hazards not otherwise classified (HNOC)****Other Information**

• N/A

Unknown Acute Toxicity

N/A

<b>3. COMPOSITION/INFORMATION ON INGREDIENTS</b>
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CHEMICAL NAME	CAS NO.	WEIGHT - %	TRADE SECRET
Heptane	142-82-5	10-20%	*
Distillates (petroleum), hydrotreated light	64742-47-8	10-20%	*
Propane	74-98-6	10-20%	*

**\*The exact percentage (concentration) of composition has been withheld as a trade secret.**

<b>4. FIRST AID MEASURES</b>
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**First aid measures****Skin Contact**

Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation persists.

**Eye Contact**

Immediately flush with water for 15 minutes while holding eyelids open. Seek medical attention if irritation persists

**Inhalation**

Move to fresh air. If breathing is difficult or unconscious, administer oxygen. If not breathing administer artificial respiration. Seek medical attention if irritation persists.

**Ingestion**

Rinse mouth out with water. Do not induce vomiting unless directed by medical authority. Keep head below hips if vomiting occurs. Seek immediate medical attention. Aspiration hazard. Never give anything by mouth to an unconscious person.

**Most important symptoms and effect, both acute and delayed****Symptoms**

ACUTE HEALTH HAZARDS: Causes skin irritation including redness, burning and drying/cracking. Contact with eyes may cause irritation, redness, tearing. Inhalation of mist or vapors may cause respiratory irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration may cause pulmonary edema and pneumonitis.

CHRONIC HEALTH HAZARDS: None known.

**Indication of any immediate medical attention and special treatment needed****Note to physicians**

Treatment of overexposure should be directed at the control of symptoms and the clinical condition. If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately

**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Dry chemical, carbon dioxide, foam, and water spray or fog.

**Unsuitable extinguishing media:** Water spray/stream.

**Unusual fire and explosion hazards**

EXTREMELY FLAMMABLE. May develop a flammable atmosphere in confined areas. Vapors heavier than air will settle in low lying areas and may travel to source of ignition and flash back. Contents under pressure. Exposure to temperatures above 120 °F may cause bursting. Keep away from heat, sparks, open flames and other sources of ignition.

**Hazardous combustion products**

Oxides of carbon, sulfur, and various hydrocarbons.

**Special fire fighting procedures**

Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Shut off all sources of ignition. Use water spray to disperse vapor and cool fire exposed containers. Prevent run off from entering streams, sewers, or drinking water supply.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures****Personal precautions**

Refer to section 8 for proper Personal Protective Equipment.

**Methods and material for containment and cleaning up****Methods for containment & cleaning up**

Eliminate all sources of ignition. Clean up using rag or use some non-combustible material like vermiculite, sand or earth. Prevent spill from entering sewers, storm drains, and natural waterways. Place waste in proper containers for disposal. Dispose of contents in accordance with federal, state and local regulations. Do not dump in sewers.

**RCRA status**

Waste likely considered D001 (Ignitable waste), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

**7. HANDLING AND STORAGE****Precautions for safe handling****Advice on Safe Handling**

Wear proper personal protective equipment when using this product. Avoid contact with skin, eyes and clothing. Do not inhale mist or vapor. Keep out of the reach of children. Read and follow the directions on the product label. They are the best guide to using the product in the most effective manner. The label also gives you the necessary safety precautions to protect your health.

**Conditions for safe storage, including any incompatibilities****Storage Conditions**

Store in a cool, dry area. Do not use or store with strong oxidizers. Protect from sunlight. Store in a well ventilated area. Do not expose to temperatures exceeding 50 °C/122 °F. Pressurized container: Do not pierce or burn, even after use.

**Incompatible Materials**

Strong acids, strong alkalis, strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

CHEMICAL NAME	OSHA PEL	ACGIH TLV
Heptane	500 ppm	400 ppm
Distillates (petroleum), hydrotreated	Not Established	200 mg/m3
light	1000 ppm	1000 ppm

### Appropriate engineering controls

**Engineering Controls** Normal, forced ventilation required. Local exhaust ventilation is generally preferred.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Safety glasses/goggles

**Skin and body protection** Chemical resistant gloves.

**Respiratory protection** If exposure levels are exceeded then organic vapor cartridge respirator or SCBA will be needed.

**Additional Measures** Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse. No smoking or open flames.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

**Physical State** Liquefied Gas  
**Appearance** Dark brown viscous spray  
**Color** Dark brown  
**Odor** Petroleum odor  
**Odor Threshold** N/D

<u>Property</u>	<u>Values</u>
pH	N/A
Melting Point/Freezing Point	N/D
Initial Boiling Point And Boiling Range	N/D
Flash Point	N/D
Evaporation Rate	N/D
Flammability (Solid/Gas)	Extremely Flammable Aerosol
Upper/Lower Flammability Or Explosive Limits	
Lower Flammability Limit	N/D
Upper Flammability Limit	N/D
Explosive Limit Lower(%)	N/D
Explosive Limit Upper(%)	N/D
Vapor Pressure (mm Hg)	N/D
Vapor Density (AIR=1)	N/D
Relative Density (H2O=1)	0.84 - 0.88@ 77 °F (25 °C)
Solubility (IES)	N/D
Partition Coefficient	N/D
Autoignition Temperature	N/D
Decomposition Temperature	N/D
Viscosity	> 60 cps.

## 10. STABILITY AND REACTIVITY

### **Reactivity**

Certain plastics, rubber and coatings.

### **Chemical Stability**

Stable

### **Possibility of Hazardous Reactions**

None known.

### **Conditions to Avoid**

Temperatures greater than 122 °F and sources of ignition. Avoid incompatibles.

### **Incompatible Materials**

Strong acids, strong alkalis, strong oxidizing agents.

### **Hazardous Decomposition Products**

Oxides of carbon.

## 11. TOXICOLOGICAL INFORMATION

### **Information on likely routes of exposure Eyes, Ingestion, Inhalation, Skin**

#### Product Information

<b>Skin Contact</b>	Irritation likely, redness and pain. May cause localized defatting, blistering with prolonged skin contact. May be absorbed through the skin.
<b>Eye Contact</b>	May cause irritation, redness, tearing.
<b>Inhalation</b>	May cause dizziness and/or headaches. May cause respiratory tract irritation. Prolonged exposure may lead to unconsciousness.
<b>Ingestion</b>	Nausea, vomiting, headaches, abdominal pain, diarrhea, dizziness, tremor, drowsiness, pulmonary edemas, absorption through the gastrointestinal tract may produce symptoms of CNS depression ranging from unconsciousness to death.

**TOXICOLOGICAL INFORMATION:** Distillates (petroleum), hydrotreated light (64742-47-8): LD<sub>50</sub> (Oral, Rat) > 5000 mg/kg; LD<sub>50</sub> (Dermal, Rabbit) > 2000 mg/kg. n-Heptane (142-82-5): LD<sub>50</sub> (Oral, Rat) > 15000 mg/kg; LD<sub>50</sub> (Dermal, Rabbit) > 3160 mg/kg; LC<sub>50</sub> (Inhalation, Rat, 4h) 103 mg/L.

### **Information on toxicological effects**

#### Symptoms

MEDICAL CONDITION AGGRAVATED: Pre-existing disorders of the skin.

ACUTE HEALTH HAZARDS: Causes skin irritation including redness, burning and drying/cracking. Contact with eyes may cause irritation, redness, tearing. Inhalation of mist or vapors may cause respiratory irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration may cause pulmonary edema and pneumonitis.

### **Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity**                                      **OSHA:** No                                      **ACGIH:** No                                      **NTP:** No                                      **IARC:** No                                      **OTHER:** N/A

*ACGIH (American Conference of Governmental Industrial Hygienists)*

*A3 - Animal Carcinogen*

*IARC (International Agency for Research on Cancer)*

*Group 2B - Possibly Carcinogenic to Humans*

*Group 3 - Not classifiable as a human carcinogen*

*NTP (National Toxicology Program)*

*Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

*X - Present*

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Toxic to aquatic life with long lasting effects. Distillates (petroleum), hydrotreated light (64742-47-8): LC50 (Daphnia, 48h) > 1000 mg/L; EC50 (Algae, 72h) > 1000 mg/L. n-Heptane (142-82-5): EC50 (Daphnia magna, 48h) 1.50 mg/L.

### Soil Mobility

N/D

### Persistence and Degradability

Component or components of this product are not biodegradable.

### Bioaccumulation

No additional information available.

### Other Adverse Effects

NONE KNOWN

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

<b>Disposal of wastes</b>	Dispose of contents in accordance with federal, state and local regulations. Do not dump in sewers.
<b>RCRA status</b>	Waste likely considered D001 (Ignitable waste), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

## 14. TRANSPORT INFORMATION

The basic description below is specific to the container size. This information is provided for at a glance DOT information. Please refer to the container and/or shipping papers for the appropriate shipping description before tendering this material for shipment. For additional information, please contact the distributor listed in section 1 of this SDS.

### DOT

<b>UN/ID No.</b>	UN 1950
<b>Proper Shipping Name</b>	Aerosols, Ltd. Qty.
<b>Hazard Class</b>	2.1
<b>Packing Group</b>	N/A

### AIR SHIPMENT

<b>UN/ID No.</b>	UN 1950
<b>Proper Shipping Name</b>	Aerosols, Flammable
<b>Hazard Class</b>	2.1
<b>Packing Group</b>	N/A

### SHIPPING BY WATER: VESSEL (IMO/IMDG)

<b>UN/ID No.</b>	UN 1950
<b>Proper Shipping Name</b>	Aerosols
<b>Hazard Class</b>	2.1
<b>Environmental Hazards Water</b>	Marine Pollutant
<b>Packing Group</b>	N/A

## 15. REGULATORY INFORMATION

### International Inventories

**TSCA** All Chemicals are listed or exempt.

### Legend:

**TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**

### US Federal Regulations

### SARA 313

This product does not contain any chemical components with known CAS numbers that exceed the threshold (de minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazard Categories**

Flammable (gases, aerosols, liquids, solids). Gas under pressure. Skin corrosion or irritation. Aspiration hazard.

**CERCLA**

None.

**US State Regulations**

**California Proposition 65:** This product contains no known chemicals regulated by California Proposition 65.

**U.S. State Right-to-Know Regulations**

Heptane (142-82-5): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: CA, IL, MA, NJ, PA, RI.

**International Regulations**

Listed or exempt from listing/notification on the following chemical inventories: Australian Inventory of Industrial Chemicals (AIIC, Australia); Domestic Substances List (DSL, Canada); Inventory of Existing Chemical Substances in China (IECSC, China); Korea Existing Chemicals List (KECL, Korea); New Zealand Inventory of Chemicals (NZIOC, New Zealand); Philippine Inventory of Chemicals and Chemical Substances (PICCS, Philippines); Taiwan Chemical Substance Inventory (TCSI, Taiwan).

**Volatile Organic Compounds (VOC)**

24.8%

<b>16. OTHER INFORMATION</b>
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<b>NFPA</b>	Health hazards	1	Flammability	3	Reactivity	0	Other	NONE
<b>HMIS</b>	Health hazards	1	Flammability	3	Reactivity	0	Personal protection	B

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Revision Note

**N/A = Not Applicable; N/D = Not Determined**

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**