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Version 2

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier****Product Name** Terand Stainless Steel Polish and Cleaner**Other means of identification****Product Code** TB-42000000-00**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
Eye Irritant	Category 2A
Skin Sensitization	Category 1A
Aspiration Hazard	Category 1

**Label elements**

#### Emergency Overview

## DANGER

**Hazard statements**

Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes serious eye irritation. May cause an allergic skin reaction. May be fatal if swallowed and enters airways.

**Appearance:** Clear, colorless spray**Physical state:** Liquefied Gas**Odor:** Lemon**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 eye protection and protective gloves.

**Precautionary Statements - Response**

If in eyes, Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention. Avoid breathing mist, vapors or spray. Contaminated work clothing must not be allowed out of the workplace. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. Wash contaminated clothing before reuse. If swallowed: Immediately call a poison center or doctor. Do NOT induce vomiting.

**Precautionary Statements - Storage**

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

**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

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

CHEMICAL NAME	CAS NO.	WEIGHT - %	TRADE SECRET
Distillates (petroleum), hydrotreated light	64742-47-8	50-60%	*
White mineral oil	8042-47-5	20-30%	*
Acetone	67-64-1	10-20%	*
Propane	74-98-6	5-10%	*
n-Butane	106-97-8	5-10%	*
d-Limonene	5989-27-5	0.1-1%	*
Citral	5392-40-5	0.1-1%	*

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

**4. FIRST AID MEASURES****First aid measures****Skin Contact**

Immediately wash with soap and water for 15 minutes. Seek medical attention if irritation develops.

**Eye Contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention

**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 eye irritation including redness, tearing, and pain. Prolonged contact with skin may cause irritation. Inhalation of vapors may cause nausea, dizziness and drowsiness. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration may cause pulmonary edema and pneumonitis.

CHRONIC HEALTH HAZARDS: Dermatitis may occur due to long-term irritation. May cause liver and kidney damage.

**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 fog.

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

### Unusual fire and explosion hazards

EXTREMELY FLAMMABLE. Contents under pressure. Exposure to temperatures above 122 °F (50 °C) may cause bursting. Keep away from heat, sparks, open flames and other sources of ignition. Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back.

### Hazardous combustion products

Oxides of carbon.

### 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 in accordance with local, state and federal 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

Do not use or store near heat, open flames or other sources of ignition. Wear proper personal protective equipment when using this product. Avoid contact with skin, eyes and clothing. Do not inhale mist or vapor. Do not use or store with strong oxidizers. Pressurized container: Do not pierce or burn, even after use.

### Conditions for safe storage, including any incompatibilities

#### Storage Conditions

Protect from sunlight. Store in a well ventilated area. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a cool, dry area.

#### Incompatible Materials

Strong acids, strong oxidizing agents (chlorine and other halogens, chromates, perchlorates and oxygen). Some plastics and painted surfaces, pre-test before using.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

### Appropriate engineering controls

#### Engineering Controls

General ventilation adequate but local exhaust/ventilation preferred.

CHEMICAL NAME	OSHA PEL	ACGIH TLV
Distillates (petroleum), hydrotreated light	Not Established	Not Established
White mineral oil	5 mg/m <sup>3</sup> (oil mist)	Not Established
Acetone	1000 ppm	250 ppm
Propane	1000 ppm	1000 ppm
n-Butane	Not Established	1000 ppm
d-Limonene	Not Established	Not Established
Citral	Not Established	Not Established

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

Eye/face protection Safety glasses/goggles

Skin and body protection Chemical resistant gloves

Respiratory protection Wear NIOSH/MSHA approved respiratory protection if exposure limits are exceeded.

Additional Measures Wash hands thoroughly after handling. Wear protective clothing to prevent repeated or prolonged contact with product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

Physical State Clear, colorless spray  
 Appearance Clear, colorless spray  
 Color Clear, colorless  
 Odor Lemon  
 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 (H <sub>2</sub> O=1)	0.80 - 0.84@ 77 °F (25 °C)N/D
Solubility (IES)	N/D
Partition Coefficient	N/D
Autoignition Temperature	N/D
Decomposition Temperature	N/D
Viscosity	

## 10. STABILITY AND REACTIVITY

**Reactivity**

None known

**Chemical Stability**

Stable

**Possibility of Hazardous Reactions**

None known

**Conditions to Avoid**

Temperatures greater than 122 °F (50 °C) and sources of ignition. Avoid incompatible materials.

**Incompatible Materials**

Strong acids, strong oxidizing agents (chlorine and other halogens, chromates, perchlorates and oxygen). Some plastics and painted surfaces, pre-test before using.

**Hazardous Decomposition Products**

None known

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure Eyes, Ingestion, Inhalation, Skin****Product Information**

<b>Skin Contact</b>	May cause irritation, localized defatting, dermatitis with prolonged or repeated contact
<b>Eye Contact</b>	Causes irritation, redness, tearing, pain.
<b>Inhalation</b>	No hazards under normal use due to its low volatility. If vapor is present in high concentrations, upper respiratory tract irritation may occur.
<b>Ingestion</b>	May cause gastrointestinal irritation, headaches, nausea, diarrhea, vomiting, dizziness, drowsiness, signs of intoxication, in-coordination and slurred speech depending on the amount ingested.

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Distillates (petroleum), hydrotreated light (64742-47-8)	LD50 (Oral, Rat) 5 g/kg	LD50 (Dermal, Rabbit) 2 g/kg	LC50 (Inhalation, Rat, 4h) 5 mg/L
White mineral oil (8042-47-5)	LD50 (Oral, Rat) > 5000 mg/kg	LD50 (Dermal) > 2000 mg/kg	LC50 (Inhalation Dust/Mist, Rat, 4h) > 5 g/L
Acetone (67-64-1)	LD50 (Oral, Rat) 5800 mg/kg; LD50 (Oral, Mouse) 3000 mg/kg; LD50 (Oral, Rabbit) 5340 mg/kg		LC50 (Inhalation, Rat, 8h) 50100 mg/m <sup>3</sup> ; LC50 (Inhalation, Mouse, 4h) 44,000 mg/m <sup>3</sup> .

**Information on toxicological effects****Symptoms**

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

ACUTE HEALTH HAZARDS: Causes eye irritation including redness, tearing, and pain. Prolonged contact with skin may cause irritation. Inhalation of vapors may cause nausea, dizziness and drowsiness. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration may cause pulmonary edema and pneumonitis.

CHRONIC HEALTH HAZARDS: Dermatitis may occur due to long-term irritation. May cause liver and kidney damage.

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

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

**Distillates (petroleum), hydrotreated light (64742-47-8):** LC<sub>50</sub> (Daphnia, 48h) > 1000 mg/L; EC<sub>50</sub> (Algae, 72h) > 1000 mg/L. **White mineral oil (8042-47-5):** LC<sub>50</sub> ( *Oncorhynchus mykiss*, 96h) 5000 mg/L; EC<sub>50</sub> ( *Daphnia magna* , 48h) 1000 mg/L. **Acetone (67-64-1):** LC<sub>50</sub> ( *Oncorhynchus mykiss*, 96h) 5540 mg/L; EC<sub>50</sub> ( *Daphnia magna* , 48h) 6100 mg/L; EC<sub>50</sub> ( *Selenastrum quadricauda*, 8d) 7500 mg/L; EC<sub>50</sub> ( *Psuedomonas putidum minimis*, 16h) 1700 mg/L.

### Soil Mobility

This product is mobile in soil.

### Persistence and Degradability

This product is biodegradable.

### Bioaccumulation

This product is not expected to bioaccumulate.

### Other Adverse Effects

None Known

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

#### **Disposal of wastes**

Dispose of in accordance with local, state and federal regulations. Do not dump in sewers

#### **RCRA status**

Waste likely considered D00 1 (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>	N/A
<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. Serious eye damage or eye irritation. Respiratory or skin sensitization. Aspiration hazard.

**CERCLA**

Acetone (67-64-1) Reportable Quantity = 5,000 pounds.

**CWA (Clean Water Act)**

Acetone (67-64-1) is a hazardous substance.

**US State Regulations**

California Proposition 65: This product does not contain chemicals regulated by California Proposition 65.

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

Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states:

Chemical Name	CA	DE	ID	ME	MA	MN	NJ	PA	NY	RI	WA	CT	FL	IL	TN	LA
Acetone (67-64-1)	x	x	x	x	x	x	x	x		x	x					

**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 Chemical Inventory (KECI, Korea); New Zealand Inventory of Chemicals (NZIOC, New Zealand); Philippine Inventory of Chemicals and Chemical Substances (PICCS, Philippines).

**Volatile Organic Compounds (VOC)**

15%

## 16. OTHER INFORMATION

<b>NFPA</b>	Health hazards	2	Flammability	3	Reactivity	0	Other	NONE
<b>HMIS</b>	Health hazards	2	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**