

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Terand Pro-Zone

Other means of identification

Product Code TB-20900000-00

Recommended use of the chemical and restrictions on use

Recommended use Penetrating Lubricant
Uses Advised Against For industrial and institutional use only.

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

Gases Under Pressure	Dissolved Gas
Reproductive Toxicity	Category 2
Aspiration Hazard	Category 1

Label elements

Emergency Overview

DANGER

Hazard statements

Contains gas under pressure; may explode if heated. Suspected of damaging fertility or the unborn child. May be fatal if swallowed and enters airways.

**Appearance:** Clear to Hazy Amber Spray**Physical state:** Dissolved Gas**Odor:** Acetate**Precautionary Statements - Prevention**

Keep away from heat, sparks, open flames, and hot surfaces. -No smoking. Pressurized container: Do not pierce or bum, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye protection.

Precautionary Statements - Response

If exposed or concerned: Get medical advice or attention. If swallowed: Immediately call a poison center or doctor. Do NOT induce vomiting.

Precautionary Statements - Storage

Protect from sunlight. Store in a well ventilated area. Store in a cool, dry area.

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NO.	WEIGHT - %	TRADE SECRET
Distillates (petroleum), hydrotreated light	64742-47-8	30-60%	*
White mineral oil	8042-47-5	15-30%	*
Octamethylcyclotetrasiloxane	556-67-2	1-5%	*
Carbon dioxide	124-38-9	<3%	*

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

4. FIRST AID MEASURES

First aid measures**Skin Contact**

Remove contaminated clothes. Wash skin thoroughly with soap and water for 15 minutes. Seek medical attention if irritation develops. Wash contaminated clothing before reuse.

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

Remove to fresh air. If not breathing administer artificial respiration. If breathing is difficult give oxygen. Consult a physician.

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: Contact with eyes may cause irritation, redness, tearing. Prolonged contact with skin may cause irritation. Inhalation of mist or vapors may cause respiratory irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

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, alcohol foam, and water spray.

Unsuitable extinguishing media: Water spray/stream.

Unusual fire and explosion hazards

Contents under pressure. Exposure to temperatures above 120°F may cause bursting. Keep away from sparks, open flames and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

Hazardous combustion products

Oxides of carbon, various hydrocarbons

Special fire fighting procedures

Wear full protective clothing and NIOSH approved SCBA with full face piece operated in positive pressure or pressure demand. Use water mist to keep material cool in fire situations.

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 hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR261).

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. 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

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. Store in a cool, dry area.

Incompatible Materials

Strong oxidizing agents, strong reducing agents, some plastics.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

CHEMICAL NAME	OSHA PEL	ACGIH TLV
Distillates (petroleum), hydrotreated light	Not Established	Not Established
White mineral oil	5 mg/m3 (oil mist)	10mg/m3
Octamethylcyclotetrasiloxane	Not Established	Not Established
Carbon dioxide	5000 ppm	5000 ppm

Appropriate engineering controls

Engineering Controls General ventilation adequate.

Individual protection measures, such as personal protective equipment

Eye/face protection	Safety glasses/goggles
Skin and body protection	Chemical resistant gloves
Respiratory protection	Not required with adequate ventilation.

Additional Measures Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash hands thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Dissolved Gas
Appearance	Clear to Hazy Amber Spray
Color	Clear to Hazy Amber Spray
Odor	Acetate
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	> 200 °F (93.3°C).
Evaporation Rate	N/D
Flammability (Solid/Gas)	Not considered a flammable aerosol or an extremely flammable aerosol by OSHA (29CFR 1910.1200).
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)	Not Established
Vapor Density (AIR=1)	N/D
Relative Density (H2O=1)	0.80 - 0.85 @ 77°F (25°C)
Solubility (IES)	Non-soluble in water.
Partition Coefficient	N/D
Autoignition Temperature	N/D
Decomposition Temperature	N/D
Viscosity	N/D

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 oxidizing agents, strong reducing agents, some plastics.

Hazardous Decomposition Products

Oxides of carbon, various hydrocarbons

11. TOXICOLOGICAL INFORMATION

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

Skin Contact May cause irritation, localized defatting, dermatitis with prolonged or repeated contact.

Eye Contact May cause burning, irritation, redness, tearing.

Inhalation May cause dizziness. Excessive or prolonged exposure may cause unconsciousness.

Ingestion May cause gastrointestinal irritation, nausea, diarrhea, vomiting, aspiration hazard.

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Distillates (petroleum), hydrotreated light (64742-47-8)	(Oral, Rat) 5 g/kg	(Dermal, Rabbit) 2 g/kg	(Inhalation, Rat, 4h) 5 mg/L
White mineral oil (8042-47-5)	(Oral, Rat) > 5000 mg/kg	(Dermal) > 2000 mg/kg	(Inhalation Dust/Mist, Rat, 4h) > 5 g/L
Octamethylcyclotetrasiloxane (556-67-2)	(Oral, Rat) 1540 mg/kg	(Dermal, Rabbit) 0.8 mg/kg	(Inhalation, Rat, 4h) 36 g/m ³

Information on toxicological effects**Symptoms**

MEDICAL CONDITION AGGRAVATED: None known.

ACUTE HEALTH HAZARDS: Contact with eyes may cause irritation, redness, tearing. Prolonged contact with skin may cause irritation. Inhalation of mist or vapors may cause respiratory irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

CHRONIC HEALTH HAZARDS: None known.

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

Avoid release to the environment. **Distillates (petroleum), hydrotreated light (64742-47-8)**: LC50 (Daphnia, 48h) > 1000 mg/L; EC50 (Algae, 72h) > 1000 mg/L. **White mineral oil (8042-47-5)**: LC50 (*Oncorhynchus mykiss*, 96h) 5000 mg/L; EC50 (*Daphnia magna*, 48h) 1000 mg/L.

Soil Mobility

N/D

Persistence and Degradability

This product is biodegradable.

Bioaccumulation

No additional information available.

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 hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR261).

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.

<u>DOT</u>		<u>AIR SHIPMENT</u>	
UN/ID No.	UN 1950	UN/ID No.	UN 1950
Proper Shipping Name	Aerosols, Ltd. Qty.	Proper Shipping Name	Aerosols
Hazard Class	2.2	Hazard Class	2.2
Packing Group	N/A	Packing Group	N/A

SHIPPING BY WATER: VESSEL (IMO/IMDG)

UN/ID No.	UN 1950
Proper Shipping Name	Aerosols
Hazard Class	2.2
Environmental Hazards Water	N/A
Packing Group	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

Gas under pressure. Reproductive toxicity. Aspiration hazard.

CERCLA

None.

US State Regulations

California Proposition 65: WARNING: This product can expose you to chemicals including Cumene, which is known to the State of California to cause cancer, and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For

more information go to www.P65Warnings.ca.gov. Cumene (98-82-8): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: CA, DE, ID, IL, MA, MN, NJ, NY, PA, RI, WA, WV, WI. Toluene (108-88-3): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: CA, DE, ID, IL, ME, MA, MI, MN, NJ, NY, NC, PA, RI, WA, WI. Distillates (petroleum), hydrotreated light (64742-47-8): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: NJ, PA, RI.

International Regulations

Listed or exempt from listing/notification on the following chemical inventories: Domestic Substances List (DSL, Canada).

Volatile Organic Compounds (VOC)

2 %

16. OTHER INFORMATION

NFPA	Health hazards	2	Flammability	1	Reactivity	0	Other	None
HMIS	Health hazards	*2	Flammability	1	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