

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier**Product Name** Terand Big Easy**Other means of identification****Product Code** TB-21100000-00**Recommended use of the chemical and restrictions on use****Recommended use** All-Purpose Cleaner
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

Flammable Aerosol	Category 2
Gases Under Pressure	Liquefied Gas
Eye Irritant	Category 2
Skin Irritant	Category 2
Specific Target Organ Toxicity (Repeated Exposure)	Category 2

Label elements**Emergency Overview****WARNING****Hazard statements**

Flammable aerosol. Contains gas under pressure; may explode if heated. Causes skin and serious eye irritation. May cause damage to respiratory tract through prolonged or repeated exposure if inhaled.

**Appearance:** Clear, Colorless Spray.**Physical state:** Liquefied Gas**Odor:** Citrus scent, moderate ammonia

Precautionary Statements - Prevention

Keep away from heat, sparks, open flames or 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 and eye protection.

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 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. Do not breathe mist, vapors or spray. Get medical advice or attention if you feel unwell.

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NO.	WEIGHT - %	TRADE SECRET
2-Butoxyethanol	111-76-2	1-10%	*
n-Butane	106-97-8	1-10%	*
4-Nonylphenol, branched, ethoxylated	127087-87-0	1-10%	*
Ethylenediaminetetraacetic acid (EDTA)	60-00-4	1-10%	*
Propane	74-98-6	1-10%	*
Potassium hydroxide	1310-58-3	1-10%	*

***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 water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation persists.

Eye Contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Seek medical attention if irritation persists.

Inhalation

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

Ingestion

Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention if irritation develops. 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. Causes eye irritation including redness, tearing, and pain. Inhalation may cause respiratory tract irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

CHRONIC HEALTH HAZARDS: Prolonged inhalation may be harmful.

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

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

Use appropriate media for surrounding fire.

Unsuitable extinguishing media: N/A

Unusual fire and explosion hazards

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.

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. Prevent spill from entering sewers, storm drains and natural waterways. Absorb with noncombustible material like vermiculite, sand or earth. Place waste in proper containers for waste disposal. Small releases may be wiped up with wiping material. Dispose of in accordance with local, state and federal regulations. Do not dump in sewers. Wrap container and place in trash collection. Do not puncture, incinerate, or reuse container.

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. Wash hands thoroughly after handling. 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. 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. Do not use or store with strong oxidizers.

Incompatible Materials

Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

CHEMICAL NAME	OSHA PEL	ACGIH TLV
2-Butoxyethanol	50 ppm	20 ppm
n-Butane	15 mg/3 (total dust)	1000 ppm
4-Nonylphenol, branched, ethoxylated	15 mg/3 (total dust)	Not Established
Ethylenediaminetetraacetic acid (EDTA)	15 mg/3 (total dust)	Not Established
Propane	1000 ppm	1000 ppm
Potassium hydroxide	2 mg/m ³	2 mg/m ³

Appropriate engineering controls

Engineering Controls

Local ventilation/exhaust adequate to maintain vapor concentrations below PEL/TLV.

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

Avoid contact with skin, eyes or clothing. Avoid breathing spray. Wash hands thoroughly after handling. No smoking or open flames.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State

Liquefied gas

Appearance

Clear, colorless spray

Color

Clear, colorless

Odor

Citrus scent, moderate ammonia odor

Odor Threshold

N/D

Property

Values

pH

N/A

Melting Point/Freezing Point

N/D

Initial Boiling Point and Boiling Range

> 130 °F (54.4 °C)

Flash Point

N/D

Evaporation Rate

Slow.

Flammability (Solid/Gas)

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)

0.99 - 1.010 @ 77 °F (25 °C)

Solubility (IES)

100% water

Partition Coefficient

n-OCTANOL/WATER (KOW): 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.

Hazardous Decomposition Products

Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure Eyes, Inhalation, Skin

Product Information

Skin Contact	May cause mild irritation, localized defatting and dermatitis.
Eye Contact	Causes irritation, redness, tearing, pain.
Inhalation	May cause respiratory tract irritation, dizziness, headaches, nausea, unconsciousness, central nervous system (CNS) depression.
Ingestion	Not a likely route of exposure under normal product handling conditions. May cause gastrointestinal irritation, nausea, diarrhea, vomiting.

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
2-Butoxyethanol (111-76-2)	(Oral, Rat) 320 mg/kg	(Dermal, Rabbit) 440 mg/kg	(Inhalation, Mice, 4h) 700 ppm
n-Butane (106-97-8)			(Inhalation, Rat, 4h) 30957 mg/m ³
4-Nonylphenol, branched, ethoxylated (127087-87-0)	(Oral) 3314 mg/kg	(Dermal, Rabbit) > 3000 mg/kg	
Propane (74-98-6)			(Inhalation, Rat, 4h) 658 mg/L
Potassium hydroxide (1310-58-3)	(Oral, Rat) 273 mg/kg		

Information on toxicological effects

Symptoms

MEDICAL CONDITION AGGRAVATED: Pre-existing disorders of the skin, respiratory system, and eyes will be aggravated by over exposure.

ACUTE HEALTH HAZARDS: Causes skin irritation including redness, burning and drying/cracking. Causes eye irritation including redness, tearing, and pain. Inhalation may cause respiratory tract irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

CHRONIC HEALTH HAZARDS: Prolonged inhalation may be harmful.

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

Carcinogenicity OSHA: No ACGIH: No NTP: No IARC: 3 - Not classifiable 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

Harmful to aquatic life with long lasting effects. **Potassium hydroxide (1310-58-3)**: LC50 (*Gambusia affinis*, 96h) 80 mg/L. **Ethylenediaminetetraacetic acid (EDTA) (60-00-4)**: LC50 (*Lepomis macrochirus*, 96h) > 1000 mg/L; EC50 (*Daphnia magna*, 48h, static) 140 mg/L; ErC50 (*Pseudokirchneriella subcapitata*, 72h) > 300 mg/L; NOEC (*Danio rerio*, 35d, flow through) 37.2 mg/L; NOEC (*Daphnia magna*, 21d) 25 mg/L. **4-Nonylphenol, branched, ethoxylated (127087-87-0)**: LC50 (*Pimephales promelas*, 96h) 7.7 mg/L; EC50 (*Daphnia*, 48h) 21.4 mg/L. **2-Butoxyethanol (111-76-2)**: LC50 (Fish, 96h) 1370 mg/L; LC50 (*Menidia beryllina*, 96h) 1250 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. Wrap container and place in trash collection. Do not puncture, incinerate, or reuse container.

RCRA status

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

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

AIR SHIPMENT

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

SHIPPING BY WATER: VESSEL (IMO/IMDG)

UN/ID No.	UN 1950
Proper Shipping Name	Aerosols
Hazard Class	2.1
Environmental Hazards Water	Marine Pollutant.
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

Certain Glycol Ethers (Category Code N230).

SARA 311/312 Hazard Categories

Flammable (gases, aerosols, liquids, solids). Gas under pressure. Skin corrosion or irritation. Serious eye damage or eye irritation. Specific target organ toxicity (single or repeated exposure).

CERCLA

Potassium hydroxide (1310-58-3) Reportable Quantity = 1,000 pounds. **Ethylenediaminetetraacetic acid (EDTA) (60-00-4)** Reportable Quantity = 5000 pounds. **Sodium nitrite (7632-00-0)** Reportable Quantity = 100 pounds. **Ammonium hydroxide (1336-21-6)** Reportable Quantity = 1,000 pounds.

CWA (Clean Water Act)

Potassium hydroxide (1310-58-3) is a hazardous substance. **Ethylenediaminetetraacetic acid (EDTA) (60-00-4)** is a hazardous substance. **Sodium nitrite (7632-00-0)** is a hazardous substance. **Ammonium hydroxide (1336-21-6)** 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	IL	TN	LA
2-Butoxyethanol (111-76-2)					X			X		X			
4-Nonylphenol, branched, ethoxylated (127087-87-0)				X	X	X	X						
Ethylenediaminetetraacetic acid (EDTA) (60-00-4)					X			X					
Potassium hydroxide (1310-58-3)	X				X	X	X	X	X	X	X		X
Sodium nitrite (7632-00-0)					X		X	X					
Ammonium hydroxide (1336-21-6)					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). Existing and New Chemical Substances (ENCS, Japan). New Zealand Inventory of Chemicals (NZIoC, New Zealand). Philippine Inventory of Chemicals and Chemical Substances (PICCS, Philippines). Korea Existing Chemicals Inventory (KECI, South Korea).

Volatile Organic Compounds (VOC)

7.8%

16. OTHER INFORMATION

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