Chem-Master

SAFETY DATA SHEET

Issue Date 12/20/2013 **Revision Date** 12/13/2023 **Version** 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Terand Oven & Grill Cleaner

Other means of identification

Product Code TB-46000000-00

Details of the supplier of the safety data sheet

Company Name CHEM-MASTER ACQUISITIONS, LLC
3670 Scarlet Oak Blvd.
St. Louis, MO 63122
800-325-3312

Emergency telephone number

Emergency Telephone CHEMTEL 1-800-255-3924

2. HAZARDS IDENTIFICATION

Classification

Gases Under Pressure	Liquefied Gas
Skin Corrosion	Category 1C
Eye Damage	Category 1
Reproductive Toxicity	Category 1B
Corrosive to Metals	Category 1

Label elements

Emergency Overview

DANGER

Hazard statements

Pressurized container: May burst if heated. Causes Severe skin burns and eye damage. May be corrosive to metals. May cause damage to the reproductive system through prolonged or repeated exposure.

Appearance: Liquid **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. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place. Do not breathe mists. Wash hands thoroughly after handling. Wear protective gloves and eye protection.

Precautionary Statements - Response

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (OR HAIR): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Precautionary Statements - Storage

Store locked up.

Precautionary Statements - Disposal

Dispose of contents and container in accordance with local, state, and national regulations. Keep only in original container. Absorb spillage to prevent material damage.

Hazards not otherwise classified (HNOC)

Other Information

• N/A

Unknown Acute Toxicity 0 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NO.	WEIGHT - %	TRADE SECRET
Sodium Hydroxide	1310-73-2	1-10%	*
Propane/Butane	68476-86-8	1-10%	*
Tetrahydrofurfuryl Alcohol	97-99-4	< 1%	*

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

4. FIRST AID MEASURES

First aid measures

Skin Contact If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

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 If inhaled: Remove person to fresh air and keep comfortable for breathing.

Ingestion If swallowed: Rinse mouth. Do NOT induce vomiting. Get medical advice or attention.

Most important symptoms and effect, both acute and delayed

Symptoms ACUTE HEALTH HAZARDS: Causes severe burns. Dermatitis may occur due to long-term irritation.

CHRONIC HEALTH HAZARDS: Sodium hydroxide may produce inflammation of the eyes, skin, and mucous membranes.

Indication of any immediate medical attention and special treatment needed

Note to physicians The absence of visible signs or symptoms of burns does not reliably exclude the presence of actual tissue damage.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Use appropriate media for surrounding fire.

Unsuitable extinguishing media: N/A

Specific hazards arising from the chemical
Contact with some metals, particularly magnesium, aluminum, and galvanized zinc can generate hydrogen gas rapidly which is explosive. Keep away from sparks, open flames and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

Protective equipment and precautions for firefighters
Move container from fire area if it can be done without risk. Cool containers with water.

Hazardous Combustion Products
None known.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions	Chemical resistant rubber or neoprene apron and chemically resistant boots to avoid skin and clothing contact. Safety glasses/goggles should be worn during use.

Environmental precautions

Environmental precautions	Dispose of in accordance with all local, state and federal environmental rules and regulations. Check the pH of the waste to be disposed, if it is greater than 12.5 it must be handled as a RCRA hazardous waste. May be subject to disposal regulations: U.S. EPA 40 CFR 261. Hazardous waste Number(s): D002

Methods and material for containment and cleaning up

Methods for containment & cleaning up	Dike area to contain spill. Dilute spill with large quantities of water and then neutralize with a dilute acid. flush area with water until clean. Wear PPE: safety goggles, chemical resistant clothing and gloves.
RCRA Status	Waste likely considered D002 (Corrosive waste) due to the pH of the solution and the corrosive characteristic.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling	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.

Conditions for safe storage, including any incompatibilities

Storage Conditions	Store locked up. Keep out of the reach of children.
Incompatible Materials	Organic materials, concentrated acids metal. May react with certain food sugars.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

CHEMICAL NAME	ACGIH TLV	OSHA PEL
Sodium Hydroxide	2 mg/m3	2 mg/m3
Propane/Butane	1000 ppm	1000 ppm
Tetrahydrofurfuryl Alcohol	Not Established	Not Established

Appropriate engineering controls

Engineering Controls Provide local exhaust ventilation where dust or mist may be generated. Ensure compliance with applicable limits.

Individual protection measures, such as personal protective equipment

Eye/face protection Safety glasses/goggles should be worn during use.

Skin and body protection Chemical resistant rubber or neoprene apron and chemically resistant boots to avoid skin and clothing contact.

Respiratory protection Wear NIOSH/MSHA approved organic vapor respiratory protection.

General Hygiene Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

PHYSICAL STATE	Liquefied Gas
APPEARANCE	Hazy slightly viscous, light yellow liquid.
COLOR	N/D
ODOR	Lemon.
ODOR THRESHOLD	N/D

Property	**Values**
pH:	>13
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):	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):	17.5 @ 77 °F (25 °C).
VAPOR DENSITY (AIR=1):	N/D
RELATIVE DENSITY (H2O=1):	1.055 - 1.075 @ 77°F (25°C)
SOLUBILITY(IES):	Miscible.
PARTITION COEFFICIENT:	N/D
AUTOIGNITION TEMPERATURE:	N/D
DECOMPOSITION TEMPERATURE:	N/D
VISCOSITY:	N/D

10.STABILITY AND REACTIVITY

Reactivity
Reacts with acids. This product may react with oxidizing agents. May be corrosive to metals.

Chemical Stability
Stable under normal conditions.

Possibility Of Hazardous Reactions
None known.

Conditions To Avoid
Organic materials, concentrated acids metal. May react with certain food sugars.

Incompatible Materials
Organic materials, concentrated acids metal. May react with certain food sugars.

Hazardous Decomposition Products
Oxides of carbon.

11.TOXICOLOGICAL INFORMATION

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

Product Information

Skin Contact	Causes severe burns. Prolonged contact will destroy tissue.
Eye Contact	Causes severe burns, irritation, redness, tearing, pain. May result in loss of sight.
Inhalation	May cause irritation (possibly severe), chemical burns, upper respiratory damage, and pulmonary edema
Ingestion	Will cause extensive damage to tissue and may be fatal.

TOXICOLOGICAL INFORMATION: Sodium hydroxide (1310-73-2): LD50 (Oral, Rabbit) 400 mg/kg. **Propane (74-98-6):** LC50 (Inhalation, Rat, 4h) 658 mg/L.

Information on toxicological effects

Symptoms

MEDICAL CONDITION AGGRAVATED: Asthma, bronchitis, emphysema and other lung diseases and chronic nose, sinus or throat conditions. Skin irritation may be aggravated in individuals with existing skin disorders.

ACUTE HEALTH HAZARDS: Causes severe burns.

CHRONIC HEALTH HAZARDS: Dermatitis may occur due to long-term irritation. Sodium hydroxide may produce inflammation of the eyes, skin, and mucous membranes.

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**: No

12. ECOLOGICAL INFORMATION

Ecotoxicity
Sodium hydroxide (1310-73-2): LC50 (Bluegill sunfish, 48h) 99 mg/L; LC50 (Gambusia affinis, 96h) 125 mg/L; LC50 (Brown shrimp, 48h) 30 - 100 mg/L; LC50 (Brook trout, 24h) 25 ppm; EC50 (Ceriodaphnia dubia, 48h) 34.59 - 47.13 mg/L.

Soil Mobility
This product is mobile in soil.

Persistence and Degradability
Component or components of this product are not 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 all local, state and federal environmental rules and regulations. Check the pH of the waste to be disposed, if it is greater than 12.5 it must be handled as a RCRA hazardous waste. May be subject to disposal regulations: U.S. EPA 40 CFR 261. Hazardous waste Number(s): D002
RCRA status	Waste likely considered D002 (Corrosive waste) due to the pH of the solution and the corrosive characteristic.

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.

PROPER SHIPPING NAME:	*Aerosols, corrosive, Packing Group II (each not exceeding 1 L capacity).*
HAZARD CLASS/DIVISION:	*2.2 (8)*
UN/NA NUMBER:	*UN1950*
PACKING GROUP:	*N/A*

AIR SHIPMENT

PROPER SHIPPING NAME:	*Aerosols, non-flammable, containing substances in Division 8, PG II.*
HAZARD CLASS/DIVISION:	*Forbidden*
UN/NA NUMBER:	*UN1950*
PACKING GROUP:	*N/A*

SHIPPING BY WATER:
VESSEL (IMO/IMDG)

PROPER SHIPPING NAME:	*Aerosols.*
HAZARD CLASS/DIVISION:	*2.2 (8)*
UN/NA NUMBER:	*UN1950*
PACKING GROUP:	*N/A*
ENVIRONMENTAL HAZARDS WATER:	*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

CERCLA

Sodium hydroxide (1310-73-2)

Reportable Quantity = 1,000 pounds.

SARA 311/312 Hazard Categories

Acute Health Hazard.

SARA 313 Reportable Ingredients

None.

State Regulations

California Proposition 65: None. Sodium hydroxide (1310-73-2): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: CA, MA, PA, RI.

International Regulations

WHMIS (Canada): CLASS D-2A: Material causing other toxic effects (VERY TOXIC).
CLASS E: Corrosive liquid.

Volatile Organic Compounds (VOC) 6.7%

16. OTHER INFORMATION

NFPA	**Health hazards**	3	**Flammability**	1	**Reactivity**	1	**Other**	None
HMIS	**Health hazards**	3	**Flammability**	1	**Reactivity**	1	**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