

SAFETY DATA SHEET



Date of Issue: 8/6/2018

1. IDENTIFICATION OF THE SUBSTANCE/MATERIAL AND THE SUPPLIER

Product Number: 73011
Product Name: Tundra High Temperature Detergent
Recommended use: Dishmachine Detergent Concentrate

Supplier Information:

Crystal Packaging Inc.
5185 National Western Drive
Denver, CO 80216
303.778.1805

Emergency Telephone Number:

CHEMTREC: 1-800-424-9300

2. HAZARD IDENTIFICATION

Classification: This product contains no hazardous components.

HMIS:

Health	1
Flammability	0
Physical Hazard	0
Personal Protection	B

Label Elements:

Signal Word: Danger

Symbols:



Hazard Statements:

Precautionary Statements:

Prevention:

Response:

- IF EXPOSED: Get medical advice/attention

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

- IF ON SKIN: Wash with plenty of soap and water.

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Hazards Not Otherwise Classified: _____

Other Information:

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Weight - %
Water	7732-18-5	60-100
Potassium Hydroxide	1310-58-3	10-15
Sodium Hydroxide	1310-73-2	5-10
* Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret		

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4. FIRST AID MEASURES

- **EYE CONTACT:** Wash with water for 15 minutes. See physician if irritation persists.

- **SKIN CONTACT:** Wash with soap and water. See physician if irritation persists.

- **INHALATION:** Remove to fresh air.

- **INGESTION:** Rinse mouth. DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.

NOTE to PHYSICIANS: Treat Symptomatically

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Product does not support combustion, Use extinguishing agent suitable for the type of surrounding fire.

Specific Hazards Arising from the Chemicals: No Information available.

Hazardous Combustion Products: If Burned, normal combustion products: Carbon Monoxide, carbon Dioxide and other gases and vapors.

Protective Equipment and Precautions for Firefighters: Firefighters should wear proper protective equipment.

6. ACCIDENT RELEASE MEASURES

Personal Precautions: Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

Environmental Precautions: Do not rinse spill onto ground, into storms sewers or bodies of water.

Methods for Clean-up: Use personal protective equipment as required. Dam up. Cover spill with sand, earth or other non-combustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Advice for Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

Storage Conditions: Keep containers in cool well ventilated area. Keep containers tightly closed. Keep out of the reach of children.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Guidelines: None established.

Engineering Controls: Provide good ventilation and that running water is available for washing eyes and skin.

Personal Protective Equipment:

Eye/Face Protection: Wear splash proof chemical goggles or face shield.

Skin/Body Protection: Wear rubber or other chemical-resistant gloves.

Respiratory Protection: If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

Hygiene Considerations: Wash hands and any exposed skin thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State:	Liquid
Color:	Red
Odor:	Odorless
pH:	13.0-14.0
Melting/Freezing Point:	No information available
Boiling Point/Boiling Range:	100 °C / 212 °F
Flash Point:	100 °C / 212 °F
Evaporation Rate:	No information available
Flammability (solid, gas):	No information available
Upper Flammability Limit:	No information available
Lower Flammability Limit:	No information available
Vapor Pressure:	No information available
Vapor Density:	No information available
Specific Gravity:	1.23
Solubility:	Completely soluble
Partition Coefficient:	No information available
Auto ignition Temperature:	No information available
Decomposition Temperature:	No information available
Viscosity:	No information available

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: None under normal processing.

Conditions to Avoid: Extremes of temperatures.

Incompatible Materials: Strong oxidizing agents. Strong alkalis.

Hazardous Decomposition: May include carbon monoxide, carbon dioxide and other organic materials.

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Eyes, Skin, Ingestion, Inhalation.
Eye Contact:	There is no data available for this product.
Skin Contact:	There is no data available for this product.
Ingestion:	There is no data available for this product.
Inhalation:	There is no data available for this product.
Immediate, Delayed, Chronic Effects:	None Known
Product Information:	There is no data available for this product.

Toxicity Data:

Carcinogenicity:	No information available.
Mutagenicity:	No information available.
Teratogenicity:	No information available.
Developmental Effects:	No information available.
Fertility Effects:	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	No information available.
Persistence and Degradability:	No information available.
Bioaccumulation:	No information available.
Other Adverse Effects:	No information available.
Biodegradability:	Product is expected to readily biodegrade.

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes:	Dispose of in accordance with federal, state and local regulations
Contaminated Packaging:	Dispose of in accordance with federal, state and local regulations

14. TRANSPORT INFORMATION

DOT:	UN1719 Caustic Liquids, NOS(Contains Potassium Hydroxide, Sodium
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Proper Shipping Name: Hydroxide) 8, II
Not Regulated

15. REGULATORY INFORMATION

TSCA Status: All chemical substances in this product are included on or exempted from listing on the TSCA inventory of chemical substances.

SARA 313: N/A

SARA 311/312 Hazard Categories:

Acute Hazard: No
Chronic Health Hazard: No
Fire Hazard: No
Sudden Release of Pressure Hazard: No
Reactive Hazard: No

16. OTHER INFORMATION

NOTICE TO READER:

The information contained herein is believed to be accurate with respect to the formula used to manufacture the product. The named supplier assumes no liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of the product is the sole responsibility of the user. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Use this and all chemical materials with caution.