

MATERIAL SAFETY DATA SHEET

SPRAY TANK CLEANER

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Issue Date: 11/13

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Product

SPRAY TANK CLEANER

Common Name: Caustic equipment cleaner.
Chemical Description: Liquid caustic/detergent mixture.
TSCA/CAS No.: Not available.

Manufactured For

Lawn and Garden Products, Inc.
P. O. Box 35000
Fresno, CA 93745

Emergency Phone Numbers

Emergency Telephone: DAYS: (559) 499-2100 EVES.: (559) 994-9144
CHEMTREC (24-Hour Emergency Number): (800) 424-9300
EPA National Response Center: (800) 424-8802

SECTION 2. HAZARDOUS INGREDIENTS

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
Potassium hydroxide	1310-58-3	9.0	N.A.*	1,000

* N.A. - Not Available.

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Clear brown liquid with strong caustic odor. Corrosive to eyes and skin. Do not mix directly with strong acids or oxidizers. Contain any liquid runoff. D.O.T. regulated as corrosive liquid.

HEALTH: 3 REACTIVITY: 1 FLAMMABILITY: 0 ENVIRONMENT: 1

(0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme)

SECTION 4. FIRST AID

Eyes: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get immediate medical attention.

Skin: Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. See a physician if skin becomes irritated.

Ingestion: Call a poison control center or doctor for treatment advice. Drink promptly a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantity of water.

Inhalation: Move to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

SECTION 5. FIRE AND EXPLOSION HAZARDS

Flash Point:	> 200°F.
Test Method:	ASTM D-56
LEL Flammable Limits:	Not pertinent.
UEL Flammable Limits:	Not pertinent.
Autoignition Temperature:	Not pertinent.
Flammability Classification:	Does not burn.
Known Hazardous Products of Combustion:	None.
Properties that Initiate/Contribute to Intensity of Fire:	None.
Potential For Dust Explosion:	None.
Reactions that Release Flammable Gases or Vapors:	Not known.
Potential For Release of Flammable Vapors:	None.
Unusual Fire & Explosion Hazards:	None.
Extinguishing Media:	Does not burn.
Special Firefighting Procedures:	Wear positive pressure, self-contained breathing apparatus and goggles. Avoid smoke inhalation. Contain any liquid runoff.

SECTION 6. SPILLS AND LEAKS

Containment:	Prevent product spillage from entering drinking water supplies or streams.
Clean Up:	Collect liquid or absorb onto absorbent material and package for disposal.
Evacuation:	Not necessary.

SECTION 7. STORAGE AND HANDLING

Storage:	Store in plastic or stainless steel container in a cool, well-ventilated, dry place at temperatures above 40°F. Keep away from strong acids and/or oxidizing agents. Take precautions to prevent container damage or puncture during transport and storage. Do not store near food or feeds. Do not stack pallets more than two (2) high.
Transfer Equipment:	Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.
Work/Hygienic Practices:	Keep out of reach of children. Causes eye and skin irritation. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin, or on clothing. Wear protective clothing including safety goggles, chemical-resistant gloves, long-sleeved shirt, long-legged pants, shoes and socks. Wash thoroughly with soap and water after handling. Remove and laundry clothing before reuse.

SECTION 8. PERSONAL PROTECTIVE EQUIPMENT

Eyes:	Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling.
Skin:	Impervious gloves and clothes.
Respiratory:	Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8710).
Ventilation:	Recommended but no TLV established.

SECTION 9. PHYSICAL AND CHEMICAL DATA

Appearance:	Clear brown liquid.
Odor:	Strong caustic odor.
pH:	13.0
Vapor Pressure:	0.25 (psi)
Vapor Density (Air = 1):	< 1.0
Boiling Point:	105°C (221°F)
Freezing Point:	Not available.
Water Solubility:	Miscible.
Density:	9.63 lbs./gal.
Evaporation Rate:	Not available.
Viscosity:	Not available.
% Volatile:	None.
Octanol/Water Partition Coefficient:	Not available.
Saturated Vapor Concentration:	Not available.

SECTION 10. STABILITY AND REACTIVITY

Stability:	Stable.
Conditions To Avoid:	Avoid contact with strong acids or oxidizers.
Incompatibility:	Not available.
Hazardous Decomposition Products:	None.
Hazardous Polymerization:	Will not occur.

SECTION 11. POTENTIAL HEALTH EFFECTSAcute Effects:

Eyes:	Severe irritant. Causes severe eye damage.
Skin:	Severe irritant. Causes severe skin irritation.
Ingestion:	May cause stomach cramps and/or nausea.
Inhalation:	None expected but aerosol mist may cause mild irritation of nasal mucous membranes.

Subchronic Effects: None known.Chronic Effects: None known.**SECTION 12. ECOLOGICAL INFORMATION**

Algal/Lemna Growth Inhibition:	Not known.
Toxicity to Fish and Invertebrates:	Not known.
Toxicity to Plants:	Not known.
Toxicity in Birds:	Not known.

SECTION 13. DISPOSAL

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Dispose of waste effluents according to state and local regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal. Do not discharge.

SECTION 14. TRANSPORTATION

D.O.T. Proper Shipping Description:

12/1 Pints

UN 1760, Corrosive Liquid, N.O.S. (Potassium Hydroxide), 8, PG II, Ltd. Qty.
(Placards Not Required) ERG #154.

Other Shipping Information: Cleaning, Scouring or Washing Compounds, Liquid.
(NMFC Item 48580 Sub 3, LTL Class 55)

SECTION 15. REGULATORY INFORMATION

CERCLA: Potassium hydroxide is listed as a priority pollutant under the Clean Water Act and, as such, falls under the CERCLA spill reporting requirements of 40 CFR 302.

SARA TITLE III, Section 313 Toxic Chemicals: None.

PROPOSITION 65: None.

SECTION 16. OTHER

All information appearing in this document was based on data provided by third party sources and was compiled to comply with the Federal Hazard Communication Standard and the California Hazardous Substances Information and Training Act. The information is believed to be accurate as of the preparation date, but is not warranted as being the final authority in the use of this product. This information does not purport to be legal or medical advice.