

Material Safety Data Sheet



UNIVERSAL Pressure Wash/Steam Cleaner

Rev. 01/25/2000

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Section I: Product Identification

Product name: UNIVERSAL
Synonym: Pressure Wash/Steam Cleaner
Molecular Formula: Blended Product

The "Plain English" Section

Material Safety Data Sheets can be confusing. Federal law requires us to print a great deal of technical information, which probably won't help the non-scientist. ECOLINK includes this "PLAIN ENGLISH" section, written to address the questions and concerns of the average person. If you have additional health, safety or product questions, don't hesitate to call us at 800/886-8240.

Health Hazards: UNIVERSAL is an industrial chemical. We call it "environmentally preferred" because it is intended to replace products that are more hazardous, (1,1,1 trichloroethane, mineral spirits, MEK, etc.). This does not mean that it is completely harmless. It is strong enough to remove tough industrial soils, so it can irritate your skin. We suggest you wear gloves and avoid extended exposure to unprotected skin. Don't get it in your eyes, or breath large amounts of the vapor, (it will dry out your nasal passages). Used on a rag or from a spray bottle, the product won't produce fumes in any great quantity, (don't spray it under high pressure without adequate ventilation). For more exposure and first aid information, please read the complete MSDS.

Flashpoint: None.

Disposal: Straight from the drum, UNIVERSAL is considered a hazardous waste product. Once it is contaminated with whatever you are cleaning, the resulting mixture may fall under another hazardous classification, depending on whether or not the material you are cleaning is hazardous. If you aren't sure how to dispose of this material, give us a call and we will help you make the right decisions.

Section II: Chemical or Hazardous Components

Chemical Name	Potassium Hydroxide
CAS No.	1310-58-3
Approx. wt. %	<10%
Exposure	ACGIH-TLV – 2 mg/m ³ OSHA-PEL – 2 mg/m ³

RCRA REGULATED:	Yes (see Sec. VIII)
CERCLA (superfund):	N/A
ALL MATERIALS IN PRODUCT ARE TSCA LISTED.	
DOT Regulated:	Yes
DOT Haz. Class:	Corrosive
DOT Shipping Name:	Compound, Cleaning Liquid
DOT Number:	NA 1760

Section III: Physical Data

Boiling Point:	221°F. @ 760 mmhg
Specific Gravity (H ₂ O=1):	1.092
Vapor Pressure (psia.):	<20 mmhg
Melting Point:	N/A
Vapor Density (AIR=1):	N/E
Evaporation Rate:	1
Solubility In Water:	Complete
pH of concentrate:	>13.0
Appearance & Odor:	Clear green liquid with no odor.

Section IV: Fire and Explosion Hazard Data

Flash Point (Method): Bulk Liquid (TCC)	None
Flammable Limits: LEL UEL	N/A N/A
Extinguishing Media: None Required	
Special Fire Fighting Procedures: No special procedures required.	

Unusual Fire & Explosion Hazards:
None

Section V: Reactivity Data

Stability: Stable

Conditions to Avoid:
Do not mix with acids or strong oxidizers.

Incompatibility (materials to avoid):
Strong oxidizers and/or strong acids. Also aluminum.

Hazardous Decomposition:
None Known

Hazardous Polymerization:
Will Not Occur.

Section VI: Health Hazard Data

Primary Routes of Exposure:

Oral, inhalation and skin

Ingestion:
May be harmful by causing gastrointestinal irritation, nausea, vomiting and tissue damage.

Inhalation:
Inhaling mist from spray may cause nasal and upper respiratory irritation, and tissue damage.

Eyes:
Irritant. Liquid contact will irritate eyes and may cause stinging, tearing, and redness. Prolonged contact may cause burns.

Skin or Contact:
Prolonged exposure may cause burns. Short term contact will cause irritation.

First Aid:

Ingestion: Give 1 or 2 glasses of water and get prompt medical attention.

Inhalation: Remove to fresh air.

Eyes: Irrigate immediately with water for at least 15 minutes. Get medical attention.

Skin: Wash with soap and water. Thoroughly clean contaminated clothes and shoes before re-use. If symptoms persist, seek medical attention.

Carcinogen: NTP – Not Listed
IARC Monographs – None
OSHA REGS – Not Regulated

Section VII: Precautions for Safe Handling

HMIS Information:
Health – 1 / Reactivity – 0
Flammability – 0 Personal Protection – B

HMIS Definition:
0 – Minimal 1 – Slight 2 – Moderate 3 – Serious 4 – Extreme
“/” in the Health Category denotes material does not target

any major organs.
“*” In the Health Category denotes material may target certain organs.

Eye Protection:
Safety glasses and splash protection required.

Protective Gloves:
Rubber Gloves.

Respiratory Protection:
Not required under conditions of normal use. Use mist eliminating mask if vapor/mist is present.

Ventilation: No special ventilation required.

Other Protective Clothing: Not required under normal use.

Work Practices: Avoid skin and eye contact. Treat this chemical with respect and follow all MSDS instructions.

Section VIII: Control Measures

Small Spill: Mop up, or wet vac.

Large Spill: Contain spill and clean up using methods described in small spill procedure.

Waste Disposal Method: Material may be disposed of in a sanitary sewer system accompanied by large amounts of water. Follow all local and state regulations.

Under **RCRA**, this material in concentrated form is considered a hazardous waste due to its corrosiveness. The EPA hazardous waste number is D002.

Precautions To Be Taken In Handling & Storing: Material should be stored in a cool dry area in a closed container. Read and follow all warnings and safe handling procedures on the MSDS and product label.

Other Precautions: Read and follow all label directions. Read MSDS before using product. Keep this and all chemicals out of the reach of children.

Section IX: Part Number and Packaging

<u>Product Name</u>	<u>Part No.</u>	<u>Packaging</u>
Universal	128-55	55 Gal. Drum
Universal	128-6	6 Gal. Pail
Universal	128-1	4 x 1 Gal. Case

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END OF MSDS