

SAFETY DATA SHEET
MACHINE DISHWASH LIQUID

Revision Date: 24-Aug-2018
Supersedes Revision: 21-May-2014

SECTION 1 — IDENTIFICATION

Product Name: MACHINE DISHWASH LIQUID
Synonyms: Industrial Dishwashing Detergent
Supplier Details: DeVere Company, Inc.
1923 Beloit Ave. • Janesville, WI 53546 • U.S.A.
Phone: 1-608-752-0576
Website: <http://deverechemical.com>
Emergency: CHEMTREC 1-800-424-9300 (within the U.S.A.), 1-703-527-3887 (International), Ref CCN6591
Recommended Use of the Chemical and Restrictions On Use: Cleaning compound



SECTION 2 — HAZARDS IDENTIFICATION

Hazard Classification of the Substance or Mixture:

Skin Corrosion 1B
Serious Eye Damage 1
Metal Corrosion 1

Signal Word: DANGER

Hazard Statement(s):

H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage

Precautionary Statement(s):

P102 - Keep out of reach of children.
P103 - Read label before use.

P260 - Do not breathe dusts or mists.

Response Phrase(s):

P280 - Wear protective gloves and eye protection.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing.

Storage and Disposal Phrase(s):

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314 - Get medical advice and attention if you feel unwell.
P361 - Remove/Take off immediately all contaminated clothing.
P363 - Wash contaminated clothing before reuse.
P391 - Collect spillage.
P402+P404 - Store in a dry place. Store in a closed container.

Hazards not Otherwise Classified: Mixing with acidic solutions will generate heat.

Pictogram(s)



SAFETY DATA SHEET

MACHINE DISHWASH LIQUID

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Product is a Mixture according to 29 CFR 1910.1200.

Chemical Name	CAS Number	%
POTASSIUM HYDROXIDE	1310-58-3	10 - 30%
SODIUM HYDROXIDE	1310-73-2	7 - 13%
SODIUM SILICATE	1344-09-8	7 - 13%

Impurities and stabilizing additives, which are themselves classified and which contribute to the classification of the chemical: None
Specific chemical identity and/or exact percentage (concentration) of composition has been withheld in accordance with a trade secret claim according to Appendix E 29 CFR 1910.1201.

SECTION 4 — FIRST-AID MEASURES

Note to Physician: Treat symptomatically and supportively. Show this SDS to the doctor in attendance.

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

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. Never give anything by mouth to an unconscious person.

SECTION 5 — FIRE-FIGHTING MEASURES

This product is not flammable and not explosive. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved (or equivalent), and full protective gear.

Product does not increase any hazards commonly associated with fire.

Use of extinguishing devices in accordance with government directives.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Contain spills and dispose according to local and federal regulations. Observe the protection measures described in Section 8. Avoid materials and products which are incompatible with the product as shown in Section 10. Never dispose of this or any industrial cleaning product with residential waste. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in the immediate area. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. See Section 13 for disposal methods.

SECTION 7 — HANDLING AND STORAGE

STORAGE: Store in an original, tightly closed container in a secure area out of reach of children and domestic animals away from sources of heat. Do not store food, beverages or tobacco products in the storage area. Store away from incompatible materials (see Section 10). Handle in accordance with good industrial hygiene and safety practices. If product becomes frozen, thaw and mix well before use. Store in non-metal container with non-metal inner liner.

HANDLING: Use proper personal protective equipment as indicated in Section 8. Avoid contact with eyes, skin or clothing. Avoid inhalation and use only in well-ventilated areas. Wash thoroughly with soap and water after handling.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL	ACGIH TLV
POTASSIUM HYDROXIDE	2 mg/m3	2 mg/m3
SODIUM HYDROXIDE	2 mg/m3	1 mg/m3
SODIUM SILICATE	N/A	N/A

Eye Protection: Use chemical safety glasses to avoid eye contact.

Hand Protection: Use impervious and chemical resistant gloves.

Skin and Body: Use impervious body covering clothes and shoes.

Hygiene Measures: Eye wash station and safety shower should be provided. Do not eat drink or smoke where material is stored, handled or used. Wash hands thoroughly after handling and before eating or smoking.

SAFETY DATA SHEET

MACHINE DISHWASH LIQUID

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Red liquid
Odor:	Mild to none
pH:	> 12
Relative Density:	1.25 (Water = 1.00)
Melting point/freezing point:	Not Available
Solubility in Water:	Complete at recommended dilutions
Flash Point:	Not Available
Flammability:	Not Flammable

Vapor pressure, odor threshold, vapor density, initial boiling point, boiling range, evaporation rate, upper/lower flammability or explosive limits, auto-ignition temperature and viscosity are either not relevant to this type of material or not available.

Note: The above properties are typical values and are not to be construed as a guaranteed analysis for any specific lot or as specifications for the product.

SECTION 10 — STABILITY AND REACTIVITY

Reactivity:	Product will react with incompatible materials to generate heat
Chemical Stability:	Stable under ordinary conditions of use and storage
Possibility of Hazardous Reactions:	Product can generate heat if exposed to incompatibilities

Hazardous Decomposition Products:	None known
Hazardous Polymerization:	Will not occur
Incompatibilities:	This product is not compatible with acidic solutions

Conditions to Avoid:	Do not dispose of this product with residential waste Contact with incompatible materials
-----------------------------	--

Safety Issues That May Arise Should Product Change in Physical Appearance:	Dispose of product immediately per Section 13 should it become discolored.
---	--

SECTION 11 — TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Skin, inhalation, ingestion and eye contact

Acute Toxicity: No information available on this product.

Symptoms related to the physical, chemical and toxicological characteristics:

Contact with concentrated product can cause physical damage to eyes or skin

Delayed and immediate effects and also chronic effects from short- and long-term exposure:

Contact with skin or eyes already damaged by product can cause further damage

Numerical measures of toxicity: None known

Carcinogenicity: Not classified by IARC, OSHA, or EPA. Not included in NTP 12 the report on carcinogens.

SECTION 12 — ECOLOGICAL INFORMATION

Ecotoxicity: This product may be toxic to aquatic life in high concentrations.

Persistence and degradability: Majority of product quickly degrades to naturally occurring molecules. No detectable environmental persistence expected from regular use.

Bioaccumulative potential: Will not bioaccumulate under normal use.

Mobility in soil: No data available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations.

Use all material. Do not waste. Rinse product to drain after use; follow with plenty of water.

SAFETY DATA SHEET
MACHINE DISHWASH LIQUID

SECTION 14 — TRANSPORT INFORMATION

U.S. Department of Transportation (DOT) Classification:

UN Number:	3266
Proper Shipping Name:	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (CONTAINS POTASSIUM HYDROXIDE)
Transport Hazard Class:	8
Packing Group:	II
Environmental Hazards:	No hazards other than as already noted in this document

Canadian Transportation of Dangerous Goods (TDG) Regulations:

Identical to U.S. DOT above.

International Maritime Dangerous Goods (IMDG) Code:

Identical to U.S. DOT above.

International Air Transport Association (IATA) Dangerous Goods Regulations:

Not intended for shipment under this jurisdiction.

SECTION 15 — REGULATORY INFORMATION

Waste Classification: If this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D.

US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65): This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other reproductive harm.

SECTION 16 — OTHER INFORMATION

Reason for Revision: Updated text in sections 1, 2, 4, 5, 6, 7, 8, 13, 14, 15 and 16.

Prepared by: Chemical Regulatory Department

Disclaimer: While the authoring company (Author) believes the data contained herein is factual, this document is not to be taken as a warranty or representation for which Author, its officers or employees assume legal responsibility. The information in this document is offered solely for your accordance with applicable Federal, State, and local laws and regulations. Information presented herein is believed to be accurate and reliable to the best of our knowledge. However, we make no warranty or merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process. Users should make their own investigations to determine the suitability of the information for their particular purposes.