

MSDS *Material Safety Data Sheet*

AUTO D ALL TEMPERATURE ALUMINUM SAFE AUTOMATIC MACHINE DISHWASHING

MSDS Number: 1F30

Revision Date: 5/27/09

Page 1 of 4

1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: AUTO D ALL TEMPERATURE ALUMINUM SAFE AUTOMATIC MACHINE DISHWASHING
Revision Date: 5/27/09
Version: 1
MSDS Number: 1F30
Product Code: 1F.30
Chemical Family: Alkali
Chemical Formula: *** PROPRIETARY ***
Product Use: Automatic Dish Detergent

Manufacturer

Centraz Industires, Inc.
4051 Bingham Ave
Saint Louis, MO. 63116

Phone: 314-752-7627
Fax: 314-752-7293

For Help in CHEMICAL EMERGENCIES involving
spills, leaks, fire, or exposure call
CHEMTREC at 1-800-424-9300 24 hours a day.
Company Code # CETZ

2 HAZARDS IDENTIFICATION

Route of Entry: Eyes; Ingestion; Inhalation; Skin;
Target Organs: Esophagus; Eyes; Mucous membranes; Skin; Stomach; Throat;
Inhalation: Can cause irritation and inflammation of the respiratory tract.
Skin Contact: May cause irritation, tearing and redness.
Eye Contact: May cause irritation.
Ingestion: May be fatal.

HMIS II-ratings (scale 0-4): Health = 3, Fire = 0, Reactivity = 2

HMIS® Rating H3/F0/PH2

NFPA-ratings (scale 0-4): Health = 3, Fire = 0, Reactivity = 2

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Perc.	Chemical Name
1310583	30-35%	Potassium hydroxide
1312761	5-10%	Silicic acid, potassium salt
7320345	5-10%	Diphosphoric acid, tetrapotassium salt

4 FIRST AID MEASURES

Inhalation: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention. Give oxygen or artificail respiration if needed.

Skin Contact: Promptly flush skin with water until all chemical is removed. Remove contaminated clothing and wash before reuse. Get medical attention if needed.

MSDS *Material Safety Data Sheet*

AUTO D ALL TEMPERATURE ALUMINUM SAFE AUTOMATIC MACHINE DISHWASHING

MSDS Number: 1F30

Revision Date: 5/27/09

Page 2 of 4

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.
Get immediate medical attention.

Ingestion: Do not induce vomiting. Drink large quantities of water. Seek immediate medical attention

5 FIRE FIGHTING MEASURES

Flash Point: N/A

Water fog, alcohol foam, and dry chemical/

6 ACCIDENTAL RELEASE MEASURES

Dike and contain. Do not discharge into drains.

Waste Disposal Method

Dispose of in accordance with local, state and federal regulations. Watch out for slippery conditions when spilled.

7 HANDLING AND STORAGE

Handling Precautions: Wear protective clothing. Wash thoroughly after handling. Keep material out of reach of children.

Storage Requirements: KEEP OUT OF REACH OF CHILDREN Store Away from Strong Acids, Store in a dry, well ventilated area.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

Protective Equipment: HMIS PP, C | Goggles, Gloves, Apron

Exposure Guidelines/Other: **Exposure Limits:**

USA OSHA (TWA₅)/PEL): 2mg/m³

ACGIH (TWA/TLV):

DFG (MAK):

Respiratory Protection: For exposure above PEL/TV, use any supplied air respirator in a continuous flow mode

Ventilation: Local exhaust/ ventilation to minimize exposure

Protective Gloves: Rubber gloves

Eye Protection: Splash goggles

Other Protective Equipment: Rubber apron/boots if splashing is likely

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear

Physical State: Liquid

Odor: None

pH: 12+/- .5; 1% 11

Vapor Pressure: N/A

Vapor Density: N/A

Boiling Point: 212 Dgr. F.

Freezing/Melting Pt.:

Solubility: Complete

Spec Grav./Density: 1.11

MSDS *Material Safety Data Sheet*

AUTO D ALL TEMPERATURE ALUMINUM SAFE AUTOMATIC MACHINE DISHWASHING

MSDS Number: 1F30

Revision Date: 5/27/09

Page 3 of 4

VOC: N/a
Evap. Rate: N/A
Bulk Density: 9.26 #/Gallon
Viscosity: N/A
Percent Volatile: 80%

10 STABILITY AND REACTIVITY

Stability: Product is stable under normal conditions.
Conditions to avoid: Keep containers closed.
Materials to avoid (incompatibility): Strong Acids; Chlorinated Hydrocarbons.
Hazardous Decomposition products: Hydrogen gas may be released when exposed to high temperatures. Carbon monoxide and unidentified organic compounds may be released during combustion.
Hazardous Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

This product has not been tested.

12 ECOLOGICAL INFORMATION

Toxic to aquatic organisms.

13 DISPOSAL CONSIDERATIONS

Dispose of container and unused contents in accordance with federal, state, and local requirements.

14 TRANSPORT INFORMATION

DOT Class: Corrosive (8) #8
24 Hour Emergency Response Number: Chemtrec: (800) 424-9300 (Code CETZ)
Emergency Response Guide: NAERG 154
Proper Shipping Name: COMPOUND CLEANING, LIQUID N.O.S. (Contains Potassium Hydroxide)
ID Number: UN 1760
Packing Group III
Freight Class 70

15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Potassium hydroxide (1310583 10-20%) CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIR

*Silicic acid, potassium salt (1312761 5-10%) TSCA

*Diphosphoric acid, tetrapotassium salt (7320345 5-10%) TSCA

REGULATORY KEY DESCRIPTIONS

CERCLA = Superfund clean up substance

MSDS *Material Safety Data Sheet*

AUTO D ALL TEMPERATURE ALUMINUM SAFE AUTOMATIC MACHINE DISHWASHING

MSDS Number: 1F30

Revision Date: 5/27/09

Page 4 of 4

CSWHS = Clean Water Act Hazardous substances
MASS = MA Massachusetts Hazardous Substances List
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level

16

OTHER INFORMATION

Disclaimer:

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

The above information is not claiming characteristics of the product in term of legal claims of performance / guarantee.

This information only describes safety measures and no liability may arise from the use or application of the product described herein.

This information is given in good faith and based on our current knowledge of the product.

END OF MSDS DOCUMENT
