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Phone 360.733.7478
Toll Free 800.241.9110
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www.cescosolutions.com
2227 Midway Lane
Bellingham WA 98226

CESCO A111S

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : CESCO A111S
PRODUCT USE : Alkaline Laundry Detergent
PRODUCT DESCRIPTION : Clear, yellow, semi-viscous liquid with pleasant citrus odor.

WHMIS CLASSIFICATION: E - Corrosive Material

MANUFACTURER : CESCO SOLUTIONS, INC.
ADDRESS : 2227 Midway Lane, Bellingham, WA 98226

EMERGENCY PHONE : 1-800-424-9300
INFORMATION PHONE : (360) 733-7478

2. HAZARDS IDENTIFICATION

SIGNAL WORD: Danger



HAZARD STATEMENTS: Causes eye and skin burns.
Harmful if swallowed.

POTENTIAL HEALTH EFFECTS

EYES:

Causes severe burns to eyes. Eye damage may be permanent.

SKIN:

Contact with skin can cause burns and/or irritation. The degree of damage depends upon the length of contact.

INGESTION:

Harmful if swallowed. Ingestion may cause burns to the mouth and esophagus.

INHALATION:

Vapors are corrosive and irritating to the respiratory tract. Inhalation of mist may burn the mucous membranes of the nose and throat.

MEDICAL CONDITIONS AGGRAVATED:

None known or reported.

CHRONIC (CANCER) INFORMATION:

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There is no data available on the chronic effects of ingestion of this material.

TERATOLOGY (BIRTH DEFECT) INFORMATION:

No Information.

REPRODUCTION INFORMATION:

No Information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component/Exposure Limits	CAS#	WT%
POTASSIUM HYDROXIDE SOLUTION	1310-58-3	10 - 20%
.....OSHA PEL-2MG/M3 Ceiling	ACGIH TLV-2MG/M3 Ceiling	
Sodium Benzeneoxybispropylenesulfonate Solution	119345-04-9	0 - 10%
DIPROPYLENE GLYCOL METHYL ETHER	34590-94-8	0 - 10%
....ACGIH TWA 100 ppm	ACGIH STEL 150 ppm	OSHA PEL 600 mg/m3

4. FIRST AID MEASURES

EYES:

Wash eyes immediately with plenty of running water for 15-20 minutes, or until no evidence of chemical remains, including under eyelids. Remove any contact lenses at once. Speed in beginning the eyewash is essential if permanent injury is to be avoided. In case of chemical burns, apply sterile bandages loosely to eyes without medication. GET MEDICAL ATTENTION IMMEDIATELY.

SKIN:

Flush contaminated skin with water for 15 minutes, or until no evidence of chemical remains. Remove contaminated clothing under the shower immediately. Prolong washing in serious cases until doctor arrives. GET MEDICAL CARE FOR EVIDENCE OF BURNING. If evidence of chemical burn exists, cover with sterile, dry dressing. Bandage securely, but not too tightly.

INGESTION:

Do not induce vomiting. Drink a large glass of water. Treat symptomatically and supportively. GET MEDICAL ATTENTION IMMEDIATELY. CAUTION: IF UNCONSCIOUS OR HAVING TROUBLE BREATHING OR IN CONVULSIONS, DO NOT INDUCE VOMITING OR GIVE WATER.

INHALATION:

Remove from exposure to mist. If breathing has stopped, provide artificial respiration. Keep the person warm and at rest. OBTAIN IMMEDIATE MEDICAL ATTENTION.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

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FLASH POINT: None

Method: Not Applicable

FLAMMABLE LIMITS: Lower: N/A

Upper: N/A

HAZARDOUS COMBUSTION PRODUCTS:

None known to occur.

EXTINGUISHING MEDIA:

Use media appropriate for surrounding material. Use water spray to cool containers exposed to fire from as far a distance as possible. DO NOT get water inside containers. Generates heat upon addition of water, with possible spattering. Use water spray to absorb corrosive vapors.

FIREFIGHTING INSTRUCTIONS:

SCBA recommended with a full face piece operated in pressure-demand mode or other positive pressure mode. Wear full protective clothing. Run-off may cause pollution. Dike to contain run-off for proper handling as stated in Section 7.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Negligible fire hazard when exposed to heat or flame.

SENSITIVE TO STATIC DISCHARGE:

No Information

SENSITIVE TO IMPACT

None known.

6. ACCIDENTAL RELEASE MEASURES

Do not touch spilled material. Stop leak if you can without risk. For SMALL SPILLS pick up spill with vacuum equipment (alkali resistant) for disposal, or flush to holding area with water. Neutralize residues with dilute acid and rinse with water.

For LARGER SPILLS, dike far ahead of spill for later disposal. Keep unnecessary people away from area. Isolate hazard area and deny entry.

7. HANDLING AND STORAGE

Store in well sealed containers which are protected from physical damage. Avoid handling conditions that can lead to spills or mist formation. Drains must have retention basins for pH adjustment and neutralization of spilled materials and flushings prior to discharge. Have abundant running water available where material is stored, unloaded or handled. Store above the freezing point of water. DO NOT permit workers to handle caustic materials without proper training and proper equipment. Avoid contact with incompatible chemicals listed in Section 10.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Provide natural or mechanical ventilation to minimize exposure, especially where possibility of mist formation exists. If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment. Consult NFPA Standard 91 for design exhaust systems.

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RESPIRATORY PROTECTION:

None needed for normal operating conditions.

SKIN PROTECTION:

Apron or protective clothing, and rubber boots (tops covered by apron or clothing to prevent entrance of material).

EYE PROTECTION:

Employee must wear splash proof and/or dust-resistant safety goggles with a full face-shield to prevent eye contact with this substance. DO NOT WEAR CONTACT LENSES.

PROTECTIVE GLOVES:

Employee must wear appropriate protective gloves to prevent contact with this substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 235F

APPEARANCE & ODOR: Clear, yellow, semi-viscous liquid with pleasant citrus odor.

VAPOR DENSITY: N/AV

VAPOR PRESSURE: N/AV

SPECIFIC GRAVITY: 1.086

pH: >12 (5% solution).

SOLUBILITY IN WATER: Complete.

VOC: N/AV

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY (CONDITIONS TO AVOID):

Flammable hydrogen gas may be generated upon contact with metals such as aluminum, tin and zinc.

INCOMPATIBILITY:

Acids. This product is alkaline - avoid contact with acidic materials. Addition of water creates heat and may cause spattering. Prolonged contact with metals such as aluminum, tin, lead and zinc may produce flammable hydrogen gas.

HAZARDOUS DECOMPOSITION PRODUCTS:

None known to occur.

HAZARDOUS POLYMERIZATION:

Has not been reported to occur.

11. TOXICOLOGICAL INFORMATION

CHRONIC/CARCINOGENICITY:

N/AV

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TERATOLOGY:

N/AV

REPRODUCTION:

N/AV

MUTAGENICITY:

N/AV

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

No current data is available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:

Waste caustic must NEVER be discharged directly to sewers or surface waters. First convert to neutral salts and dilute well with water. Inform legal authorities of uncontrolled spills.

RCRA (RESOURCE CONSERVATION & RECOVERY ACT) REQUIREMENTS:

Product is a RCRA regulated hazardous waste upon disposal. The RCRA hazardous waste number D002 refers to this materials RCRA hazardous waste characteristics of corrosivity. Comply with all Federal, State and local laws and regulations upon disposal.

CLEAN WATER ACT REQUIREMENTS:

No information.

14. TRANSPORT INFORMATION

DOT CLASSIFICATION (USA):

UN 1814, Potassium Hydroxide Solution, Class 8, PG II

TDG REGULATIONS (CANADA):

UN 1814, Potassium Hydroxide Solution, Class 8, PG II

15. REGULATORY INFORMATION:

U.S. FEDERAL REGULATIONS:

SARA TITLE III (SUPERFUND AMENDMENTS & REAUTHORIZATION ACT):

302/304 EXTREMELY HAZARDOUS SUBSTANCES:

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The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III, Section 302 requires notification of the State Emergency Response Commission (SERC) and Local Emergency Planning Committee (LEPC) of the presence of Extremely Hazardous Substances (EHS), 40 CFR 355 Appendix A, in amounts in excess of the threshold planning quantity (TPQ). Extremely Hazardous Substances contained in this product are: ***NONE***. Section 304 requires notification of SERC and LEPC of releases involving a RQ of an EHS or CERCLA Hazardous Substance. Potassium hydroxide is considered a CERCLA Hazardous substance with a reportable quantity (RQ) of 18,400 lbs of CESCO A111S.

311/312 HAZARD CATEGORIES:

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: An Immediate (Acute) Health Hazard. A Reactive Hazard.

313 REPORTABLE INGREDIENTS:

The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III, requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all SDS's that are copied or distributed for this material. Refer to Section 3, HAZARDOUS INGREDIENTS/SARA III INFORMATION, the components that are subject to reporting are designated by an asterix (*).

TSCA (TOXIC SUBSTANCE CONTROL ACT) STATUS:

All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

RCRA (RESOURCE CONSERVATION & RECOVERY ACT) REQUIREMENTS:

N/AV

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS:

N/AV

STATE REGULATIONS:

16. OTHER INFORMATION

NFPA RATINGS:

HEALTH (H): 2 FIRE (F): 0 REACTIVITY: (R): 1

HMIS CODES:

HEALTH (H): 2 FIRE (F): 0 PHYSICAL HAZARD (P): 1

SDS REVISION DATE: October 3, 2017

NAME OF PREPARER: Environmental, Health & Safety Department.



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CONTACT PHONE NUMBER: (360) 733-7478

MANUFACTURER DISCLAIMER:

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