

### DALCO MOSS OFF

#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : DALCO MOSS OFF  
PRODUCT USE : Alkaline Powder Detergent  
PRODUCT DESCRIPTION : White, free flowing powder  
WHMIS CLASSIFICATION: Not Classified

DISTRIBUTOR : DALCO, INC.  
ADDRESS : 3010 OLD HWY 99 SOUTH RD, MT VERNON, WA 98273  
MANUFACTURER : CESCO SOLUTIONS, INC.

EMERGENCY PHONE : 1-800-424-9300  
INFORMATION PHONE : (360)428-3850

#### 2. HAZARDS IDENTIFICATION

SIGNAL WORD: WARNING



**HAZARD STATEMENTS:** Causes skin and eye irritation.  
May be harmful if swallowed.

#### POTENTIAL HEALTH EFFECTS

##### EYES:

Causes burns to eyes. Eye damage may be permanent. Contact rapidly causes severe irritation of the eyes and eyelids. May cause chemical burns. If not removed through irrigation with water, there may be prolonged or permanent visual impairment or total loss of sight.

##### SKIN:

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

##### INGESTION:

Ingestion may cause irritation, nausea and diarrhea. Harmful if swallowed. Ingestion may cause burns to the mouth and esophagus.

##### INHALATION:

Inhalation can cause nose, throat and respiratory tract irritation and coughing.

##### MEDICAL CONDITIONS AGGRAVATED:

None known or reported. Asthma and lung diseases, skin diseases.

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**CHRONIC (CANCER) INFORMATION:**

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%
Sodium Metasilicate Pentahydrate	10213-79-3	5-10%

**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:**

FLASH POINT: >212F

Method: N/AV

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FLAMMABLE LIMITS: Lower: N/A Upper: N/A

AUTOIGNITION TEMPERATURE: N/AV

**HAZARDOUS COMBUSTION PRODUCTS:**

Thermal decomposition products may include toxic and hazardous oxides of carbon and sodium.

**EXTINGUISHING MEDIA:**

Use media appropriate for surrounding material. Use water spray to cool containers exposed to fire from as far a distance as possible. 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.

**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

Save salvageable material. 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.

DO NOT FLUSH PRODUCT TO OPEN SEWER OR WATER COURSES. CONTAIN ALL SPILLED MATERIAL. Sinks and mixes with water. Sweep, scoop or vacuum discharged material. Flush residue with water. Observe environmental regulations. High pH (un-neutralized material is harmful to aquatic life).

## 7. HANDLING AND STORAGE

Avoid contact with incompatible chemicals listed in Section 10. Store in well sealed containers which are protected from physical damage. Avoid handling conditions that can lead to spills or mist formation. Have abundant running water available where material is stored, unloaded or handled. Store above the freezing point of water and no hotter than 100 degrees F. Follow SPILL RELEASE and WASTE DISPOSAL directions as outlined above. Do not allow a solution of this material to dry in aluminum fittings. Solid or slurry forms may corrode/deteriorate aluminum fittings.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:**

Provide natural or mechanical ventilation to minimize exposure, especially where possibility of mist

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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.

#### **RESPIRATORY PROTECTION:**

None needed for normal operating conditions.

Avoid breathing dust. Use NIOSH/MSHA approved respiratory protection and equipment when airborne exposure is excessive. Consult respirator manufacturer to determine appropriate type equipment for given application.

#### **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 to prevent eye contact with this substance. A full face shield is recommended.

#### **PROTECTIVE GLOVES:**

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

### **9. PHYSICAL AND CHEMICAL PROPERTIES**

BOILING POINT: N/AV  
APPEARANCE & ODOR: White, free flowing powder  
VAPOR DENSITY: N/AV  
VAPOR PRESSURE: N/AV  
RELATIVE DENSITY: 8.4 lb/gal  
pH: 11.2 (5% Solution)  
SOLUBILITY IN WATER: Complete.  
VOC: N/AV

### **10. STABILITY AND REACTIVITY**

#### **CHEMICAL STABILITY (CONDITIONS TO AVOID):**

Contact with acids except under controlled conditions. Contact of this material, in powder or slurry form, may cause problems with aluminum, tin, lead and zinc, causing hydrogen gas generation. Dilute solutions do not pose any incompatibility problems.

#### **INCOMPATIBILITY:**

Acids. Reacts with acids with a release of large volumes of carbon dioxide and heat. This product is alkaline - avoid contact with acidic material. Product in powder or slurry form should not be applied directly to aluminum, tin, lead or zinc (see Conditions to Avoid).

#### **HAZARDOUS DECOMPOSITION PRODUCTS:**

Thermal decomposition products may include toxic and hazardous oxides of carbon and sodium. May liberate hydrogen gas (see incompatible materials).

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**HAZARDOUS POLYMERIZATION:**

Has not been reported to occur.

**11. TOXICOLOGICAL INFORMATION**

**CHRONIC/CARCINOGENICITY:**

N/AV

**TERATOLOGY:**

N/AV

**REPRODUCTION:**

N/AV

**MUTAGENICITY:**

N/AV

**12. ECOLOGICAL INFORMATION**

**ECOTOXICOLOGICAL INFORMATION:**

Product is practically non-toxic to aquatic organisms on an acute basis. May increase the pH of aquatic systems to >pH 10 which may be toxic to aquatic organisms.

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:**

Whatever cannot be saved for recovery, neutralization or recycling should be handled as a hazardous waste (see RCRA status). Neutralize with dilute acid and landfill according to federal, state and local disposal guidelines. Flush neutralized liquid to sewer with plenty of water.

**RCRA (RESOURCE CONSERVATION & RECOVERY ACT) REQUIREMENTS:**

Un-neutralized material is a RCRA regulated hazardous waste upon disposal. The RCRA hazardous waste code is "C" having the hazardous waste characteristics of corrosivity. Comply with all Federal, State and local laws and regulations upon disposal. Not a RCRA hazardous waste if neutralized as per Waste Disposal guidelines.

**CLEAN WATER ACT REQUIREMENTS:**

No information.

**14. TRANSPORT INFORMATION**

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**DOT CLASSIFICATION (USA) :**

Non-Hazardous Cleaning Compound

**TDG REGULATIONS (CANADA) :**

Not classified.

**15. REGULATORY INFORMATION:**

**U.S. FEDERAL REGULATIONS:**

**SARA TITLE III (SUPERFUND AMENDMENTS & REAUTHORIZATION ACT) :**

**302/304 EXTREMELY HAZARDOUS SUBSTANCES:**

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). Section 304 requires notification of SERC and LEPC of releases involving a RQ of an EHS or CERCLA Hazardous Substance. Extremely Hazardous Substances contained in this product are:

\*\*\*\*\*NONE\*\*\*\*\*

**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.

**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, COMPOSITION/ INFORMATION ON INGREDIENTS, the components that are subject to reporting are designated by an asterisk (\*).

**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: N/AV**

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## 16. OTHER INFORMATION

### HMIS CODES:

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

**SDS REVISION DATE: May 24, 2018**

**NAME OF PREPARER: Environmental, Health & Safety Department.**

**CONTACT PHONE NUMBER: (360) 733-7478**

### MANUFACTURER DISCLAIMER:

IMPORTANT: The information and data herein is based on available data. Buyer assumes all risk of use, storage and handling of this product in compliance with applicable laws and regulations. CESCO SOLUTIONS, INC. MAKES NO WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED, AND WILL NOT BE LIABLE FOR CLAIMS, RELATING TO THE ACCURACY OF THIS DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.