



# SAFETY DATA SHEET

Issuing date 07-Jan-2015

Revision Date 14-May-2015

Version 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Label Name** all mighty pacs free clear 48ct

### Other means of identification

**UPC Code(s)** 72613458547

**Product code** 197004763

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** Laundry single dose liquid pack for clothes washing machines.  
**Uses advised against** Follow label instructions. Not recommended for any use except intended use.

### Supplier's details

#### **Supplier Address**

Sun Products Corporate Office  
60 Danbury Road  
Wilton, CT 06897  
USA

#### **Manufacturer Address**

Sun Products Corporate Office  
60 Danbury Road  
Wilton, CT 06897  
USA

### Emergency telephone number

**Company Phone Number** General - 1-800-776-6702 (Monday – Friday, 8:30AM to 6:00PM EST)

**Company Emergency Phone Number** Prosar: 1-800-565-5597 (24 hours)

**Emergency telephone** Chemtrec (US/CA) 1-800-424-9300 (24 hour)  
Poison Control 1-800-222-1222 (24 hour)

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation	Category 1
Flammable Liquids	Category 4

### GHS Label elements, including precautionary statements

### Emergency Overview

**Danger****Hazard Statements**

Causes serious eye damage  
Combustible liquid

**Appearance** LIQUID PACK**Physical state** liquid**Odor** FREE OF PERFUME**Precautionary Statements - Prevention**

Wear protective gloves/protective clothing/eye protection/face protection  
Keep away from heat/sparks/open flames/hot surfaces. — No smoking

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a POISON CENTER or doctor/physician  
In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)****Other information**

- May be harmful if swallowed
- May be harmful in contact with skin

General Hazards

No information available

5.727% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade Secret
C12-C15 Alcohol Ethoxylate	68131-39-5	10 - 30	*
Glycerol	56-81-5	5 - 10	*
Ethyl alcohol	64-17-5	1 - 5	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret

### 4. FIRST AID MEASURES

**First aid measures for different exposure routes****General advice**

If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.

**Eye contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

<b>Skin contact</b>	Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Remove and wash contaminated clothing before re-use. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Immediate medical attention is not required.
<b>Toxic - Inhalation</b>	Move to fresh air. Consult a physician. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Artificial respiration and/or oxygen may be necessary. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician. Move to fresh air in case of accidental inhalation of vapors or decomposition products.
<b>Ingestion</b>	Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.
<b>Protection of First-aiders</b>	Use personal protective equipment.
<b><u>Most important symptoms/effects, acute and delayed</u></b>	
<b>Main Symptoms</b>	No information available.
<b><u>Indication of immediate medical attention and special treatment needed, if necessary</u></b>	
<b>Notes to physician</b>	Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### **Suitable Extinguishing Media**

Use: Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray. Alcohol-resistant foam.

**Unsuitable Extinguishing Media** Do not use a solid water stream as it may scatter and spread fire.

### **Specific hazards arising from the chemical**

Keep product and empty container away from heat and sources of ignition. Risk of ignition.

**Hazardous Combustion Products** No information available.

### **Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use personal protective equipment. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Remove all sources of ignition. Pay attention to flashback. Take precautionary measures against static discharges.

**Advice for emergency responders** For personal protection see section 8.

### **Environmental precautions**

**Environmental precautions** Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional Ecological Information.

**Methods and materials for containment and cleaning up****Methods for Containment**

Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**

Cover liquid spill with sand, earth or other noncombustible absorbent material. Pick up and transfer to properly labeled containers. Cover powder spill with plastic sheet or tarp to minimize spreading. Soak up with inert absorbent material. Dam up. Take precautionary measures against static discharges.

## 7. HANDLING AND STORAGE

**Precautions for safe handling****Advice on safe handling**

Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Remove and wash contaminated clothing before re-use. Do not breathe vapors or spray mist. Do not eat, drink or smoke when using this product. Use only in area provided with appropriate exhaust ventilation. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and open flame. No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

**Conditions for safe storage, including any incompatibilities****Technical measures/Storage conditions**

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat and sources of ignition. Keep in properly labeled containers. Keep away from heat.

**Packaging material**

Keep consumer product in packaging product is initially sold in.

**Incompatible products**

None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Glycerol 56-81-5		TWA: 15 mg/m <sup>3</sup> mist, total particulate TWA: 5 mg/m <sup>3</sup> mist, respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> mist, total particulate (vacated) TWA: 5 mg/m <sup>3</sup> mist, respirable fraction	
Ethyl alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
Subtilisin 9014-01-1	Ceiling: 0.00006 mg/m <sup>3</sup> as crystalline active enzyme	(vacated) STEL: 0.00006 mg/m <sup>3</sup> 60 min	STEL: 0.00006 mg/m <sup>3</sup> 60 min Subtilisins

NIOSH IDLH: Immediately Dangerous to Life or Health

**Other Exposure Guidelines**

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Appropriate engineering controls****Engineering Measures**

Showers  
Eyewash stations  
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	Tightly fitting safety goggles. Face-shield.
<b>Skin and body protection</b>	No special protective equipment required.
<b>Respiratory protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
<b>Hygiene measures</b>	When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Physical and chemical properties**

Physical state	liquid	Odor	FREE OF PERFUME
Appearance	LIQUID PACK	Odor threshold	No information available
Color	colorless		
Property	Values	Remarks • Method	
pH	7.6	pH	
Melting point	No information available		
Boiling point/boiling range	No information available		
Flash Point	> 65 °C / > 149 °F	Closed cup	
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		
Flammability Limits in Air			
Upper Flammability Limit	No information available		
Lower Flammability Limit	No information available		
Vapor pressure	No information available		
Vapor density	No information available		
Specific Gravity	1.049	SPECIFIC GRAVITY - 25C	
Water solubility	Soluble in water		
Solubility in other solvents	No information available		
Partition coefficient: n-octanol/water	No information available		
Autoignition temperature	No information available		
Decomposition temperature	No information available		
Viscosity, kinematic	250 cps	Viscosity 20rpm RV/LV Spindle 2@70F	
Viscosity, dynamic	No information available		
Explosive properties	No information available		
Oxidizing Properties	No information available		
Other information			
Softening point	No information available		
Molecular weight	No information available		
VOC Content(%)	No information available		
Density VALUE	No information available		
Bulk Density VALUE	No information available		

**10. STABILITY AND REACTIVITY****Reactivity****Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Hazardous Polymerization**

None under normal processing.

**Conditions to Avoid**

Heat, flames and sparks.

**Incompatible Materials**

None known based on information supplied.

**Hazardous Decomposition Products**

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information****Toxic - Inhalation**

Irritating to respiratory system.

**Eye contact**

Irritating to eyes.

**Skin contact**

Irritating to skin.

**Ingestion**

There is no data available for this product.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
C12-C15 Alcohol Ethoxylate 68131-39-5	= 2 g/kg ( Rat )	2 g/kg ( Rabbit )	
Glycerol 56-81-5	= 12600 mg/kg ( Rat )	> 10 g/kg ( Rabbit )	> 570 mg/m <sup>3</sup> ( Rat ) 1 h
Ethyl alcohol 64-17-5	= 7060 mg/kg ( Rat )		= 124.7 mg/L ( Rat ) 4 h

**Information on toxicological effects****Symptoms**

No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Skin corrosion/irritation**

No information available.

**Eye damage/irritation**

No information available.

**Sensitization**

No information available.

**Germ Cell Mutagenicity**

No information available.

**Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethyl alcohol 64-17-5	A3	Group 1	Known	X

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

NTP: (National Toxicity Program)

Known - Known Carcinogen

OSHA: (Occupational Safety &amp; Health Administration)

X - Present

**Reproductive toxicity**

No information available.

**Developmental Toxicity**

No information available.

**STOT - single exposure**

No information available.

**STOT - repeated exposure**

No information available.

<b>Chronic toxicity</b>	Ethanol has been shown to be a reproductive toxin only when consumed as an alcoholic beverage. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage. Avoid repeated exposure. May cause adverse liver effects. Contains a known or suspected reproductive toxin.
<b>Target Organ Effects</b>	Blood, Central nervous system, Eyes, Kidney, Liver, Reproductive system, Respiratory system, Skin.
<b>Aspiration hazard</b>	No information available.

#### **Numerical measures of toxicity - Product Information**

<b>Unknown acute toxicity</b>	5.727% of the mixture consists of ingredient(s) of unknown toxicity
<b>The following values are calculated based on chapter 3.1 of the GHS document .</b>	
<b>ATEmix (oral)</b>	2698 mg/kg
<b>ATEmix (dermal)</b>	2770 mg/kg

## **12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

<b>Chemical Name</b>	<b>Toxicity to algae</b>	<b>Toxicity to fish</b>	<b>Toxicity to daphnia and other aquatic invertebrates</b>
Glycerol 56-81-5		51 - 57: 96 h Oncorhynchus mykiss mL/L LC50 static	
Ethyl alcohol 64-17-5		12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through	9268 - 14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static 10800: 24 h Daphnia magna mg/L EC50

### **Persistence and degradability**

No information available.

### **Bioaccumulation**

No information available.

<b>Chemical Name</b>	<b>Partition coefficient</b>
C12-C15 Alcohol Ethoxylate 68131-39-5	-
Glycerol 56-81-5	-1.76
Ethyl alcohol 64-17-5	-0.32

<b><u>Other adverse effects</u></b>	No information available
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## **13. DISPOSAL CONSIDERATIONS**

### **Waste treatment**

<b>Waste Disposal Methods</b>	This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).
<b>Contaminated packaging</b>	Do not re-use empty containers.

### **California Hazardous Waste Codes 581**

This product contains one or more substances that are listed with the State of California as a hazardous waste.

<b>Chemical Name</b>	<b>California Hazardous Waste Status</b>
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C12-C15 Alcohol Ethoxylate 68131-39-5	-
Glycerol 56-81-5	-
Ethyl alcohol 64-17-5	Toxic Ignitable

#### 14. TRANSPORT INFORMATION

**Note** Product does not sustain combustion according to ASTM D4206.

**DOT** Not regulated

**TDG** Not regulated

**MEX** Not regulated

**ICAO** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

**RID** Not regulated

**ADR** Not regulated

**ADN** Not regulated

#### 15. REGULATORY INFORMATION

##### International Inventories

<b>TSCA</b>	Complies
<b>DSL/NDL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	-
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	-
<b>AICS</b>	Complies

##### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

##### US Federal Regulations

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

##### SARA 311/312 Hazard Categories

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	Yes
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No



**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65
Ethyl alcohol - 64-17-5	Carcinogen Developmental

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Propylene Glycol 57-55-6	X		X
Glycerol 56-81-5	X	X	X
Ethyl alcohol 64-17-5	X	X	X

**U.S. EPA Label information**

**EPA Pesticide Registration Number** Not applicable

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	Health hazard 2	Flammability 2	Instability 0	Physical and chemical hazards -
<b><u>HMIS</u></b>	Health hazard 2	Flammability 2	Physical Hazard 0	Personal protection X

**Prepared By** Sun Products Corporation  
Regulatory Affairs

**Issuing date** 07-Jan-2015

**Revision Date** 14-May-2015

**Revision Note**

No information available

**Disclaimer**

The (M)SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Sun Products Corporation to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Sun Products Corporation assumes no responsibility for injury to the recipient of third persons, or for any damage to any property resulting from misuse of the product.

**End of Material Safety Data Sheet**