



SAFETY DATA SHEET

Supersedes Date: 21-Sep-2015

Revision Date: 19-Oct-2016

Version: 1

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

Product identifier

Product Label Name all PowerCore Pacs - Plus Restores Protects
Product Generic Name Single Dose Multi Chamber Laundry Detergent
Other means of identification
UPC Code(s) 72613463190, 72613463176, 72613463183, 72613463176, 72613463173
Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Laundry multi chamber single dose 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 Propharma: 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)

Acute toxicity - Oral	Category 4
Serious eye damage/eye irritation	Category 2A

GHS Label elements, including precautionary statements

Emergency Overview

Warning

Hazard Statements

Causes serious eye irritation
Harmful if swallowed



Appearance single dose multi-chamber pac	Physical state Liquid pack with powder core	Odor Characteristic
--	---	----------------------------

Precautionary Statements - Prevention

Keep out of reach of children
Keep container tightly closed
Wash face, hands and any exposed skin thoroughly after handling

Precautionary Statements - Response

Call a POISON CENTER or doctor/physician if you feel unwell
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
IF ON SKIN: Wash with plenty of soap and water
Wash contaminated clothing before reuse
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Precautionary Statements - Storage

Keep out of reach of children
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Other information

General Hazards No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade Secret
C12-C15 Alcohol Ethoxylate	68131-39-5	10 - 30	
BENZENESULFONIC ACID, C10-16-ALKYL DERIVATIVES	68584-22-5	10 - 30	
Ethyl alcohol	64-17-5	1 - 5	
Benzene, C10-13-alkyl derivatives	67774-74-7	0.1 - 1	

*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

Immediate medical attention is required. Call a poison control center or doctor for treatment advice. Have the product containers or label with you when calling a poison control center or doctor, or going for treatment.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. If irritation persists, call a physician.

Skin contact Wash skin with soap and water. Get medical attention if irritation develops and persists.

Toxic - Inhalation Not expected. Get medical attention immediately if symptoms occur.

Ingestion Rinse mouth. Drink plenty of water. Do NOT induce vomiting. Call a physician or Poison Control Center immediately.

Protection of First-aiders No information available.

Most important symptoms/effects, acute and delayed

Main Symptoms No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media None.

Specific hazards arising from the chemical

Keep product and empty container away from heat and sources 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 Avoid contact with the skin and the eyes. Remove all sources of ignition. Ensure adequate ventilation. Use personal protective equipment.

Advice for emergency responders For personal protection see section 8.

Environmental precautions

Environmental precautions 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 Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. After cleaning, flush away traces with water. Soak up with inert absorbent material. Take up with sand, earth or other noncombustible absorbent material.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions Keep out of the reach of children. Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition.

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
Ethyl alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m ³
Subtilisin 9014-01-1	Ceiling: 0.0000 6mg/m ³ as crystalline active enzyme	(vacated) STEL: 0.00006 mg/m ³ 60 min	STEL: 0.00006 mg/m ³ 60 min Subtilisins
TRIETHANOLAMINE 102-71-6	TWA: 5 mg/m ³		

NIOSH IDLH: *Immediately Dangerous to Life or Health*

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection No special protective equipment required.

Skin and body protection No special protective equipment required.

Respiratory protection 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.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties

Physical state	Liquid pack with powder core	Odor	Characteristic
Appearance	single dose multi-chamber pac	Odor threshold	No information available
Color	blue Blue liquid with white powder core		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	7.8	
Melting point	No information available	
Boiling point/boiling range	No information available	
Flash Point	No information available	
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
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, 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	No information available
Bulk Density	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	There is no data available for this product.
Eye contact	There is no data available for this product.
Skin contact	There is no data available for this product.
Ingestion	There is no data available for this product.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
C12-C15 Alcohol Ethoxylate 68131-39-5	= 1600 mg/kg (Rat) = 2 g/kg (Rat)	2 g/kg (Rabbit)	
BENZENESULFONIC ACID, C10-16-ALKYL DERIVATIVES 68584-22-5	= 530 mg/kg (Rat)	= 530 mg/kg (Rat)	

Ethyl alcohol 64-17-5	= 7060 mg/kg (Rat)		= 124.7 mg/L (Rat) 4 h
Benzene, C10-13-alkyl derivatives 67774-74-7	> 5000 mg/kg (Rat)	> 10200 mg/kg (Rabbit)	

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

Reproductive toxicity No information available.
Developmental Toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Chronic toxicity 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.

Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 1826 mg/kg
ATEmix (dermal) 1728 mg/kg
ATEmix (inhalation-dust/mist) 20 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
BENZENESULFONIC ACID, C10-16-ALKYL DERIVATIVES 68584-22-5		3: 96 h Oncorhynchus mykiss mg/L LC50 static	2.9: 48 h Daphnia magna mg/L EC50
Ethyl alcohol 64-17-5		100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through 12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static	9268 - 14221: 48 h Daphnia magna mg/L LC50 10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static
Benzene, C10-13-alkyl derivatives 67774-74-7			0.009 - 0.08: 48 h Daphnia magna mg/L EC50

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Chemical Name	Partition coefficient
C12-C15 Alcohol Ethoxylate 68131-39-5	-
BENZENESULFONIC ACID, C10-16-ALKYL DERIVATIVES 68584-22-5	2

Ethyl alcohol 64-17-5	-0.32
Benzene, C10-13-alkyl derivatives 67774-74-7	-

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment

Waste Disposal Methods Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not re-use empty containers.

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

Chemical Name	California Hazardous Waste Status
C12-C15 Alcohol Ethoxylate 68131-39-5	-
BENZENESULFONIC ACID, C10-16-ALKYL DERIVATIVES 68584-22-5	-
Ethyl alcohol 64-17-5	-
Benzene, C10-13-alkyl derivatives 67774-74-7	-

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

TSCA	-
DSL/NDSL	-
EINECS/ELINCS	-
ENCS	-
IECSC	-
KECL	-
PICCS	-
AICS	-

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - 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

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals: Ethyl alcohol is only a considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

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

U.S. State Right-to-Know Regulations

U.S. EPA Label information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

<u>NFPA</u>	Health hazard 2	Flammability 1	Instability 0	Physical and chemical hazards - Personal protection X
<u>HMIS</u>	Health hazard 2	Flammability 1	Physical Hazard 0	

Prepared By Sun Products Corporation
Regulatory Affairs

Revision Date 19-Oct-2016

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