

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Product name : SULTRASOFT DEO P
Product code : SA0096262

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Detergent
Restrictions on use : For professional use only

1.4. Supplier's details

Christeyns North America, LLC
311 Staton Road
Greenville, NC 27834
USA
T 252-756-8616 / 800.869.6171
info@christeyns.us - www.christeyns.com

1.5. Emergency phone number

Emergency number : VELOCITY EHS (800) 255-3924 (24 HOURS)
(For use only in the event of emergencies involving a spill, leak, fire, exposure, or accident involving chemicals)

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Skin corrosion/irritation, Category 2	H315	Causes skin irritation.
Serious eye damage/eye irritation, Category 1	H318	Causes serious eye damage.

Full text of H statements : see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger
Hazard statements (GHS US) : H315 - Causes skin irritation
H318 - Causes serious eye damage
Precautionary statements (GHS US) : P264 - Wash hands, forearms and face thoroughly after handling.
P280 - Wear protective gloves, protective clothing, and eye protection.
P302+P352 - If on skin: Wash with plenty of water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

SULTRASOFT DEO P

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a poison center or doctor.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P332+P313 - If skin irritation occurs: Get medical advice or attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Diethylene glycol monobutyl ether	CAS-No.: 112-34-5	10 - 30
Reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine	CAS-No.: 1335202-95-3	5 - 10
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	CAS-No.: 68424-85-1	1 - 5
Hexahydro-hexamethyl-cyclopenta-benzopyran	CAS-No.: 1222-05-5	0.1 - 1
Sodium hydroxide	CAS-No.: 1310-73-2	0.1 - 1

Full text of hazard classes and H-statements : see section 16

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Treat symptomatically. Get medical attention if symptoms occur.

First-aid measures after skin contact : Rinse skin with plenty of water or shower. If irritation persists, get medical attention.

First-aid measures after eye contact : Rinse immediately with water for 15 minutes, occasionally lifting upper and lower eyelids. Remove contact lenses, if present, and easy to do. Continue rinsing. Get medical attention immediately.

First-aid measures after ingestion : Rinse mouth with water if the person is conscious. Do not induce vomiting unless directed by medical personnel. Get medical attention if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/injuries after eye contact : Risk of serious permanent damages to eyes if the product is not rapidly removed.

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

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Do not use a water jet as this can spread the fire and may cause the splattering of corrosive liquid.

5.2. Specific hazards arising from the chemical

Fire hazard : Decomposition products may include carbon oxides.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

SULTRASOFT DEO P

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. In case of fire, do not breathe fumes. Move containers from the fire area if you can do so without risk. Prevent firefighting water from entering the environment.
- Protection during firefighting : Wear a self-contained breathing apparatus. Do not attempt to take action without suitable protective equipment.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- Protective equipment : For spills or leaks, contact a supervisor and/or emergency responder. Avoid contact with spilled material and keep unnecessary personnel away.

For emergency responders

- Protective equipment : See Section 8 for recommended personal protective equipment. Ventilate the area and restrict access to the spill or leak zone. Have emergency procedures in place for treating exposures or incidents. Only trained and authorized personnel equipped with proper protective equipment should perform cleanup.

- Environmental precautions : Avoid release onto the ground, into storm sewers, or bodies of water.

6.2. Methods and materials for containment and cleaning up

- Methods for cleaning up : Stop leak if safe to do so. Contain spillage, soak up with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and collect all waste in suitable, labeled, and closed containers. Dispose according to local legislation (See Section 13).

SECTION 7 Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Handle in accordance with good industrial hygiene and safety practices. Use only with adequate ventilation. Avoid contact with skin, eyes, and clothing. Use appropriate personal protection equipment (PPE). Wash thoroughly after handling.

7.2. Conditions for safe storage, including incompatibilities

- Storage conditions : Store upright in a tightly closed, suitably labeled container. Store in a dry, cool, well-ventilated area with appropriate designated containment measures. Keep out of reach of children. Have readily available spill kits with appropriate absorbent materials. Protect from sunlight. Store in original labeled containers.
- Incompatible products : Keep away from strong acids, strong bases, flammables/combustibles, oxidizers, and reactive metals (aluminum, zinc, magnesium, iron filings).

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Diethylene glycol monobutyl ether (112-34-5)

USA - ACGIH® - Threshold Limit Values

Local name	Diethylene glycol monobutyl ether
------------	-----------------------------------

SULTRASOFT DEO P

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Diethylene glycol monobutyl ether (112-34-5)	
ACGIH® TLV® TWA	67.5 mg/m³ (IFV - Inhalable fraction and vapor)
	10 ppm (IFV - Inhalable fraction and vapor)
Remark (ACGIH®)	TLV® Basis: Hematologic, liver & kidney eff
Regulatory reference	ACGIH 2025
Sodium hydroxide (1310-73-2)	
USA - ACGIH® - Threshold Limit Values	
Local name	Sodium hydroxide
ACGIH® TLV® C	2 mg/m³
Remark (ACGIH®)	TLV® Basis: Eye, Skin & URT irr
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
Local name	Sodium hydroxide
OSHA PEL TWA	2 mg/m³
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - NIOSH - Occupational Exposure Limits	
Local name	Sodium hydroxide
NIOSH REL (Ceiling)	2 mg/m³
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))

8.2. Appropriate engineering controls

Appropriate engineering controls : Maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable guidelines, use only with adequate ventilation. Eye wash facilities and emergency showers must be available when handling this product.

8.3. Individual protection measures, such as personal protective equipment

Materials for protective clothing:
Wear suitable protective clothing. Long sleeved protective clothing.
Hand protection:
Chemical resistant PVC gloves
Eye protection:
Safety glasses with side shields.

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Color	: Yellow
Odor	: Perfume
Odor threshold	: No data available
pH	: 6 – 8

SULTRASOFT DEO P

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 212 °F (760 mm Hg)
Flash point	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: 8.512 – 9.013 lb/gal
Solubility	: Soluble in water.
Log Pow	: No data available
Autoignition temperature	: > 392 °F
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 280 cP (68 °F)
Explosion limits	: No data available
Particle characteristics	: No data available

Diethylene glycol monobutyl ether

Particle characteristics	No data available
--------------------------	-------------------

Reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine

Particle characteristics	No data available
--------------------------	-------------------

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

Particle characteristics	No data available
--------------------------	-------------------

Hexahydro-hexamethyl-cyclopenta-benzopyran

Particle characteristics	No data available
--------------------------	-------------------

Sodium hydroxide

Particle characteristics	No data available
--------------------------	-------------------

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

Not reactive under normal conditions of use, storage, and transport.

10.2. Chemical stability

Stable under recommended handling and storage conditions. Decomposes when overheated or exposed to strong oxidizers or acids/bases.

10.3. Possibility of hazardous reactions

No hazardous polymerization expected. Contact with incompatible materials (strong acids, alkalis, oxidizers) may cause degradation with release of vapors or mild exothermic reactions.

10.4. Conditions to avoid

Avoid excessive heat, open flames, and prolonged exposure to direct sunlight.

SULTRASOFT DEO P

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

10.5. Incompatible materials

Incompatible with strong oxidizing agents, strong acids, and strong bases.

10.6. Hazardous decomposition products

Thermal decomposition may produce carbon oxides (CO, CO₂) and irritating/toxic vapors.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Diethylene glycol monobutyl ether (112-34-5)

LD50 oral rat	5660 mg/kg
LD50 dermal rabbit	2700 mg/kg

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)

LD50 oral rat	426 mg/kg Source: National Library of Medicine
LD50 dermal rabbit	3412.5 mg/kg body weight Animal: rabbit, Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity)

Hexahydro-hexamethyl-cyclopenta-benzopyran (1222-05-5)

LD50 dermal rabbit	> 3250 mg/kg Source: IUCLID;ECB RAR;TOMES;LOLI;
--------------------	---

Sodium hydroxide (1310-73-2)

LD50 oral rat	140 – 340 mg/kg
LD50 dermal rabbit	1350 mg/kg Source: NCIS

Skin corrosion/irritation : Causes skin irritation.
pH: 6 – 8

Serious eye damage/irritation : Causes serious eye damage.
pH: 6 – 8

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)

NOAEL (subchronic,oral,animal/male,90 days)	50 mg/kg body weight Animal: dog, Animal sex: male, Guideline: OECD Guideline 409 (Repeated Dose 90-Day Oral Toxicity Study in Non-Rodents)
NOAEL (subchronic,oral,animal/female,90 days)	45 mg/kg body weight Animal: dog, Animal sex: female, Guideline: OECD Guideline 409 (Repeated Dose 90-Day Oral Toxicity Study in Non-Rodents)

Aspiration hazard : Not classified

SULTRASOFT DEO P

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SULTRASOFT DEO P	
Viscosity, kinematic	No data available
Diethylene glycol monobutyl ether (112-34-5)	
Viscosity, kinematic	No data available
Reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine (1335202-95-3)	
Viscosity, kinematic	No data available
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)	
Viscosity, kinematic	No data available
Hexahydro-hexamethyl-cyclopenta-benzopyran (1222-05-5)	
Viscosity, kinematic	No data available
Sodium hydroxide (1310-73-2)	
Viscosity, kinematic	1.878 mm ² /s
Symptoms/injuries after eye contact	: Risk of serious permanent damages to eyes if the product is not rapidly removed.

SECTION 12 Ecological information

12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

Diethylene glycol monobutyl ether (112-34-5)	
LC50 - Fish [1]	1300 mg/l
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)	
LC50 - Fish [1]	0.51 mg/l Source: The ECOTOXicology database
EC50 - Crustacea [1]	0.0059 mg/l Source: The ECOTOXicology database
EC50 96h - Algae [1]	4.813 mg/l Source: Ecological Structure Activity Relationships
EC50 96h - Algae [2]	0.03 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
Hexahydro-hexamethyl-cyclopenta-benzopyran (1222-05-5)	
LC50 - Fish [1]	0.452 mg/l Source: ECHA
EC50 72h - Algae [1]	0.723 mg/l Source: ECHA
Sodium hydroxide (1310-73-2)	
LC50 - Fish [1]	35 mg/l
EC50 - Crustacea [1]	40.4 mg/l Source: ECHA

12.2. Persistence and degradability

SULTRASOFT DEO P	
Persistence and degradability	Not rapidly degradable

SULTRASOFT DEO P

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Diethylene glycol monobutyl ether (112-34-5)	
Persistence and degradability	Not rapidly degradable
Reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine (1335202-95-3)	
Persistence and degradability	Not rapidly degradable
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)	
Persistence and degradability	Not rapidly degradable
Hexahydro-hexamethyl-cyclopenta-benzopyran (1222-05-5)	
Persistence and degradability	Not rapidly degradable
Sodium hydroxide (1310-73-2)	
Persistence and degradability	Not rapidly degradable

12.3. Bioaccumulative potential

Diethylene glycol monobutyl ether (112-34-5)	
Log Pow	0.56
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)	
Log Pow	3.91 Source: Quantitative Structure Activity Relation
Hexahydro-hexamethyl-cyclopenta-benzopyran (1222-05-5)	
Log Pow	5.99 Source: IUCLID;ECB RAR
Sodium hydroxide (1310-73-2)	
Log Pow	-3.88 Source: SRC

12.4. Mobility in soil

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1)	
Mobility in soil	1002 Source: EPI Suite
Hexahydro-hexamethyl-cyclopenta-benzopyran (1222-05-5)	
Mobility in soil	12530 Source: EPISUITE

12.5. Other adverse effects

No additional information available

SECTION 13 Disposal considerations

Regional legislation (waste)	: Avoid unauthorized disposal. Do not dump into any body of water. Comply with federal, state/provincial and local laws/regulations. Do not reuse empty containers.
Waste treatment methods	: Do not allow the product to contaminate any body of water. Refer to Section 8 for personal protection equipment.

SECTION 14 Transport information

In accordance with DOT

SULTRASOFT DEO P

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

DOT	
14.1. UN number	
Not regulated for transport	
14.2. Proper Shipping Name	
Not regulated	
14.3. Transport hazard class(es)	
Not regulated	
14.4. Packing group	
Not regulated	
14.5. Environmental hazards	
Not regulated	
No supplementary information available	

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT

Not regulated

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

Reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine	CAS-No. 1335202-95-3	5 - 10%
---	----------------------	---------

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Hexahydro-hexamethyl-cyclopenta-benzopyran	CAS-No. 1222-05-5	0.1 - 1%
--	-------------------	----------

Sodium hydroxide (1310-73-2)

CERCLA RQ	1000 lb
-----------	---------

15.2. International regulations

No additional information available

15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SULTRASOFT DEO P

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Component	State or local regulations
Sodium hydroxide(1310-73-2)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16 Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Issue date : 7/6/2026

Full text of hazard classes and H-statements	
H315	Causes skin irritation
H318	Causes serious eye damage

Safety Data Sheet (SDS), USA ML

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.