

StarSurf CAPB

SECTION 1. IDENTIFICATION

Product Identifier StarSurf CAPB
Product Family Cocoamidopropyl Betaine
Manufacturer StarChem, LLC, 10150 Greenville Highway, Wellford, SC, 29385, EH&S Dept,
 1-800-677-3500, www.starchemglobal.com
Emergency Phone No. Chemtrec, 1-800-424-9300
SDS No. 0510

SECTION 2. HAZARD IDENTIFICATION

Classified according to the US Hazard Communication Standard (HCS 2012).

Classification

Acute toxicity (Oral) - Category 4; Acute toxicity (Dermal) - Category 4; Serious eye damage - Category 1

Label Elements



Signal Word:

Danger

Hazard Statement(s):

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H318 Causes serious eye damage.

Precautionary Statement(s):

Prevention:

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTRE or doctor.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Quaternary ammonium compounds, (carboxymethyl)(3-cocoamidopropyl)dimethyl-, hydroxides, inner salts	61789-40-0	28 - 32	
Glycerol	56-81-5	<3	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

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Inhalation

If inhaled, remove to fresh air. Get medical attention if irritation develops.

Skin Contact

In case of skin contact, wash affected areas with soap and water. Immediately remove contaminated clothing and shoes. Get medical attention if irritation develops.

Eye Contact

In case of contact, flush eyes with plenty of water for at least 15 minutes. Use fingers to ensure that eyelids are separated and that the eye is being irrigated. Call a physician immediately.

Ingestion

May cause abdominal discomfort, nausea, vomiting and diarrhea. Give two glasses of water. Do not induce vomiting. Obtain medical attention rinse mouth immediately with water. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Do not induce vomiting due to aspiration hazard. Seek medical attention.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Water spray, dry powder, foam.

Unsuitable Extinguishing Media

None known.

Special Protective Equipment and Precautions for Fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapours.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Cleanup personnel must use appropriate personal protective equipment.

Environmental Precautions

Do not let product enter drains. Dike or dam spilled material and control further spillage, if possible. Do not allow spilled material or wash water to enter sewers, surface waters, or groundwater systems. Cover spill with inert material (e. g., dry sand or earth) and collect for proper disposal. Wash spill area with soap and water. Collect wash water for approved disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling. Keep container closed when not in use. Protect from freezing.

Conditions for Safe Storage

Keep container closed when not in use. Protect from freezing.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Country specific exposure limits have not been established or are not applicable

Industrial Hygiene/Ventilation Measures

Use local and general exhaust ventilation to control levels of exposure.

Additional ventilation or exhaust may be required to maintain air concentrations.

Respiratory Protection

None required under normal conditions of use.

Hand protection:
Chemical resistant protective gloves such as rubber gloves.

Eye protection:
Chemical goggles with face shield.

Body protection:
Wear either a chemical protective suit or apron and protective boots. Do not wear rings, watches or similar apparel that could entrap the material and cause a skin reaction.

Appropriate Engineering Controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Individual Protection Measures

Eye/Face Protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Clear yellow liquid.
Odour	Ammonia-like
pH	4.5 - 6.5
Initial Boiling Point/Range	> 100 °C (212 °F)
Flash Point	> 93 °C (199 °F)
Solubility	Soluble in water
Other Information	
Physical State	Liquid

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Freezing.

Hazardous Decomposition Products

None known.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity Data for Cocoamidopropyl betaine 45,00KG Acute Oral Toxicity
LD50: >2,000 mg/kg (rat)

Acute Inhalation Toxicity
LC50: > 6.3 mg/l, (rat)

Acute dermal toxicity
LD50: > 2,000 mg/kg (rabbit)

Skin Irritation
rabbit, Severe skin irritant based on data from components or similar materials.

Eye Irritation
rabbit, Highly irritating with effects not to be reversible within 21 days.

Acute Toxicity

LC50: No information was located.

LD50 (oral): No information was located.

LD50 (dermal): No information was located.

Skin Corrosion/Irritation

No data available.

Serious Eye Damage/Irritation

no data available

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May cause respiratory irritation.

Skin Absorption

no data available

Ingestion

no data available

Aspiration Hazard

no data available

Carcinogenicity

Not known to cause cancer.

SECTION 12. ECOLOGICAL INFORMATION

Biodegradation
This product is biodegradable.

Ecotoxicity

Studies were not located.

Persistence and Degradability

No information was located.

Bioaccumulative Potential

No information was located.

Mobility in Soil

No information was located.

SECTION 13. DISPOSAL CONSIDERATIONS

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Disposal Methods

Waste Disposal Method

Waste disposal should be in accordance with existing international, federal, state and local environmental control laws.

Empty Container Precautions

Recondition or dispose of empty container in accordance with governmental regulations.

SECTION 14. TRANSPORT INFORMATION

Not regulated under US DOT Regulations. Not regulated under IATA Regulations.

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

US. EPA CERCLA Hazardous Substances (40 CFR 302): Components

None

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302

Extremely Hazardous Substance (40 CFR 355, Appendix A): Components

None

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313

Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required: Components

None

US. EPA Resource Conservation and Recovery Act (RCRA) Composite List of Hazardous Wastes and Appendix VIII Hazardous Constituents (40 CFR 261):

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

State Right-To-Know Information

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists: Weight % Components CAS-No. <3

Glycerine	56-81-5	
6 ppm	Dichloroacetic acid	79-43-6

California Prop. 65:

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Dichloroacetic acid 76-43-6.

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

Listed on the DSL.

USA

Toxic Substances Control Act (TSCA) Section 8(b)

Listed on the TSCA Inventory.

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Additional USA Regulatory Lists

SARA Title III - Section 311/312: Acute Health Hazard.

SECTION 16. OTHER INFORMATION

NFPA Rating **Health - 2** **Flammability - 0** **Instability - 0**

Date of Preparation March 23, 2018

Date of Last Revision January 08, 2017

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