

SAFETY DATA SHEET (SDS)

STARSURF HCAPB

1. Product and Company Identification

Product Name: STARSURF HCAPB

Synonyms: None Known

Chemical Family: Surfactant

CAS Number: Not Applicable

Supplier's details: StarChem, LLC

Product Safety & Regulatory Affairs

10150 Greenville Highway

Wellford, SC 29385

USA

1-800-677-3500

StarchemCS@star-na.com

EMERGENCY:

TRANSPORTATION EMERGENCY: Call Chemtrec: (800) 424-9300

NON-TRANSPORTATION: StarChem LLC Emergency: (864) 949-2162

StarChem LLC Information: (866) 377-5269

2. Hazards Identification

GHS Label Elements:

Hazard Class

Class: Serious eye damage; Category 1

Class: Respiratory tract irritation; Category 3

Class Acute oral and dermal toxicity; Category 4

Corrosion



Exclamation Mark



Signal Word: Danger

Hazard Statements:

H302: Harmful if swallowed

H315: Causes severe skin irritation

H318: Causes serious eye damage

H335: May cause Respiratory Irritation

Precautionary Statements:

P261- Avoid breathing mist/vapors/spray.

P280 -Wear protective gloves/protective clothing/eye protection/face protection.
P302 & P352- If on skin wash with plenty of soap and water
P340- Remove person to fresh air and keep comfortable
P305, P351 & P338- If in eyes rinse cautiously with water for several minutes. Remove contact lens if easy to do. Continue rinsing.
P301, P330 & P331- If swallow rinse mouth out do not induce vomiting

Emergency Overview

Color: Clear yellow solution **Form:** Liquid **Odor:** Mild.
May cause irritation to the eyes, skin and respiratory system.

Potential Health Effects

Primary Routes of Entry: Inhalation, Skin Contact, Eye Contact, Ingestion

Medical Conditions Aggravated by Exposure: Not Applicable

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE

Inhalation

Acute Inhalation

For Product: STARSURF HCAPB

Prolonged inhalation may cause respiratory tract irritation with symptoms of coughing, sore throat and runny nose.

Skin

Acute Skin

For Product: STARSURF HCAPB

Prolonged contact with skin may cause irritation with symptoms of reddening and itching. This product is NOT considered a dermal sensitizing agent.

Eye

Acute Eye

For Product: STARSURF HCAPB

May cause irritation with symptoms of reddening, tearing and stinging.

General Effects of Exposure

Chronic Effects of Exposure

For Product: STARSURF HCAPB

Not expected to cause any adverse chronic health effects.

3. Composition/Information on Ingredients

Hazardous Components

Components	Weight %	CAS-No.
Cocoamidopropyl betaine	29 - 31	61789-40-0
Sodium Chloride	4 - 6	7647-14-5
Glycerine	<3	56-81-5

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First Aid Measures

Eye Contact

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. If eye irritation persists, get medical attention.

Skin Contact

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

Inhalation

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

Ingestion

Wash out mouth with water. If ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

5. Fire-Fighting Measures

Suitable Extinguishing Media: All extinguishing media are suitable (CO₂, dry chemical, foam, water spray and water fog).

Special Fire Fighting Procedures

Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Use cold water spray to cool fire-exposed containers to minimize risk of rupture.

6. Accidental Release Measures

Spill and Leak Procedures

Evacuate surrounding areas if deemed necessary. Remove all sources of ignition, including flames, heat, and sparks. Use explosion-proof equipment. Use grounded or non-sparking tools and equipment.

Provide adequate ventilation. Ventilate area if spilled in confined space or other poorly ventilated area. Wear appropriate respirator when ventilation is inadequate. Put on other required personal protective equipment (PPE).

Environmental Precautions: If larger spill pump into suitable and properly labeled containers. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution.

7. Handling and Storage

Storage Period

Not Established

Handling/Storage Precautions

Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling.

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

Avoid contact with eyes and skin. Wash thoroughly after handling. Keep container closed when not in use.

Do not eat, drink or smoke in work areas. Remove contaminated clothing. Avoid spills

Further Information on Storage Conditions

Store in a cool dry place. Store in original or similar containers, keep containers tightly closed.

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.

9. Physical and Chemical Properties

Form:	Liquid
Color:	Clear yellow solution
Odor:	Mild
pH:	6 - 8
Boiling Point/Range:	approximately 100 °C (> 212 °F)
Flash Point:	> 93.3 °C (> 200 °F)
Vapor Pressure:	Not Established
Percent Volatile:	~65 %
Solubility in Water:	Soluble

10. Stability and Reactivity

Hazardous Reactions

Hazardous polymerization does not occur.

Stability

Stable under normal condition avoid heat, flame and other sources of ignition. Do not freeze.

Materials to avoid

Strong oxidizing agents

Hazardous decomposition products

Upon decomposition, this product may yield oxides of nitrogen and ammonia. Irritating and toxic substances may be emitted upon combustion, burning or decomposition of dry solids.

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

12. Ecological Information**Ecological Data for STARSURF HCAPB****Biodegradation**

This product is biodegradable.

13. Disposal Considerations**Waste Disposal Method**

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

Empty Container Precautions

This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of split material and runoff and contact with soil, waterways, drains and sewers. Recondition or dispose of empty container in accordance with governmental regulations.

14. Transportation information**Land Transport (DOT)**

Non-Regulated

Sea transport (IMDG)

Non-Regulated

Air transport (ICAO/IATA)

Non-Regulated

15. Regulatory Information**United States Federal Regulations**

OSHA Hazcom Standard Rating: Non-Hazardous

US. Toxic Substances Control Act: Listed on the TSCA Inventory.

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

Components

None

SARA Section 311/312 Hazard Categories:

Non-hazardous under Section 311/312

**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.

None

California Prop. 65:

To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

16. Other Information

NFPA 704M Rating

Health	2
Flammability	0
Reactivity	0
Other	

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

HMIS Rating

Health	2
Flammability	0
Physical Hazard	0

0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

* = Chronic Health Hazard

StarChem LLC 's method of hazard communication is comprised of Product Labels and Material Safety Data Sheets. HMIS and NFPA ratings are provided by StarChem LLC as a customer service.

Contact Person: Product Safety Department
Tele: (866) 377-5269
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