

Section 1 - Identification

Product Name: Universal Foaming Agent (58750)

GCE Inc.
1580 Beaver Ruin Road
Norcross, GA 30093
770-921-0397

Emergency Phone: 800-535-5053

Product Use: This product is an additive that increases the foaming action of cleaning agents and therefore increases their ability to cling to vertical surfaces.

Section 2 - Hazards Identification**GHS Ratings:**

Eye corrosive

1

Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity ≥ 3 , Iritis > 1.5

GHS Hazards

H318

Causes serious eye damage

GHS Precautions

P280

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

P310

Immediately call a POISON CENTER or doctor/physician if you feel unwell after exposure of this product

P305+P351+P338

IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

Signal Word: Danger

**Section 3 - Composition, Information on Ingredients**

Chemical Name	CAS number	Weight Concentration %
Cocoamidopropyl Betaine	70851-81-5	20.00% - 30.00%

Section 4 - First Aid Measures

If inhaled: Negligible or unlikely exposure pathways Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get immediate medical advice/attention.

Skin contact: Take off contaminated clothing and shoes immediately. Wash off with plenty of water. Call a physician

if irritation persists.

Ingestion: Do NOT induce vomiting. Rinse mouth with water. Seek medical advice

Notes to Physician: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. There is no specific antidote available. Treat symptomatically.

Section 5 - Fire Fighting Measures

Flash Point: N/A

LEL:

UEL:

Flash point > 200 °F (> 93 °C) closed cup

Autoignition temperature: no data available. Flammability / Explosive limit: no data available

Extinguishing media: Suitable extinguishing media Carbon dioxide (CO₂)

Unsuitable extinguishing media: Multipurpose powders, Foam. Water spray, High volume water jet (frothing possible).

Special hazards arising from the substance or mixture: Specific hazards during fire fighting On heating there is a risk of a buildup of pressure in hermetically sealed containers or tanks.

On combustion, toxic gases are released. Under fire conditions: Will burn (following evaporation of water)

On combustion or on thermal decomposition (pyrolysis). releases; Carbon oxides Nitrogen oxides (NO_x)

Specific fire fighting methods: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing For further information refer to section 8 "Exposure controls / personal protection." Cool containers / tanks with water spray.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Avoid contact with the skin and the eyes. Keep away from flames and sparks. Remove all sources of ignition. Ventilate the area. Wear suitable protective clothing. Wear suitable gloves. Safety glasses with side-shields Stop the leak. Turn leaking containers leak-side up to prevent the escape of liquid.

Environmental precautions Do not let product enter drains. Do not allow uncontrolled discharge of product into the environment, Do not flush into surface water or sanitary sewer system. Spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

Methods for containment:

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Sweep up or vacuum up spillage and collect in suitable container for disposal. Never return spills in original containers for re-use. Clean contaminated surface thoroughly. Wash non-recoverable remainder with large amounts of water. Recover the cleaning water for subsequent disposal. Decontaminate tools, equipment and personal protective equipment in a segregated area.

Dispose of in accordance with local regulations. Keep in properly labeled containers. Keep in suitable, closed containers for disposal. Material can create slippery conditions

Section 7 - Handling & Storage

Technical measures: Provide adequate ventilation.

Advice on safe handling and usage: Handle in accordance with good industrial hygiene and safety practice. Avoid splashes. Avoid inhalation, ingestion and contact with skin and eyes. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using. Avoid localized overheating. Vent drums while heating Mix thoroughly before use.

Hygiene measures:

- Use clean, well maintained personal protection equipment.

Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this materials:

- 1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
- 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet
- 3) Wash exposed skin promptly to remove accidental splashes or contact with material.

Recommended: Keep container tightly closed and dry. Keep in a well-ventilated place.

To be avoided: Incompatible products. Keep away from open flames, hot surfaces and sources of ignition.

Keep away from direct sunlight. Keep away from incompatible materials to be indicated by the manufacturer Strong acids Strong bases Strong oxidizing agents Strong reducing agents.

Section 8 - Exposure Controls/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Cocoamidopropyl Betaine 70851-81-5	Not Established	Not Established	Not Established

Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures:

Effective exhaust ventilation system Avoid splashes. Personal protective equipment.

Respiratory protection: When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations.No personal respiratory protective equipment normally required.

Hand protection: Where there is a risk of contact with hands, use appropriate gloves

Gloves must be inspected prior to use. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves, Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Eye protection: Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material. Eye contact should be prevented through the use of Safety glasses with side-shields. In case of contact through splashing potential:Face-shield.

Skin and body protection:

Protective suit impervious clothing Footwear protecting against chemicals

Section 9 - Physical & Chemical Properties

Appearance Clear Liquid pH 6 - 8 Odor Characteristic Boiling Range 212F Viscosity <=10	Color Lt. Yellow Specific Gravity 1.011 Freezing Point 30F Solubility in Water Complete
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Section 10 - Stability & Reactivity

STABLE

INCOMPATIBILITIES:

Strong Acids, Strong Bases, Strong Oxidizing agents, Strong reducing agents

DECOMPATIBILITIES:

On combustion or on thermal decomposition (following the evaporation of water) releases: Carbon Oxides, Nitrogen Oxides

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Mixture Toxicity

Component Toxicity

70851-81-5 Cocoamidopropyl Betaine
Oral LD50: 5,000 mg/kg (Rat) Dermal LD50: 5,000 mg/kg (Rat)

Serious eye damage/eye irritation

Risk of serious damage to eyes.

Method: OECD Test Guideline 405

category approach tested on C8-C18 tested on C8-C18 and C18-unsatd.

Unpublished reports

CAS Number

Description

% Weight

Carcinogen Rating

Section 12 - Ecological Information

Component Ecotoxicity

Section 13 - Disposal Considerations

Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

Section 14 - Transportation Information

Note The above regulatory prescriptions are those valid on the date of publication of this sheet Given the possible evolution of transportation regulations for hazardous materials, it would be advisable to check their validity with your sales office.

Agency

Proper Shipping Name

UN Number

Packing Group

Hazard Class

DOT

Compounds, Cleaning Liquid, Not Regulated

Section 15 - Regulatory Information

- None

Section 16 - Other Information

Hazardous Material Information System (HMIS)

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

HMIS & NFPA Hazard Rating

Legend

* = Chronic Health Hazard

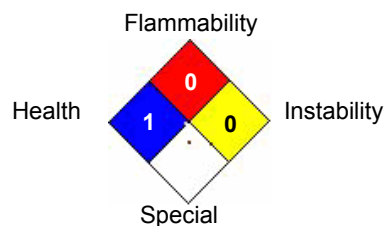
0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

National Fire Protection Association (NFPA)



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Reviewer Revision

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