

SAFETY DATA SHEET

1. Identification

Product identifier Safetec Foaming Hand Soap

Other means of identification

Product code Not available.
Recommended use Antiseptic soap
Recommended restrictions No restrictions on use known.
Chemical family Mixture.
Manufacturer Refer to Supplier
Website www.safetec.com

Supplier information

Company name Safetec of America, Inc.
Address 887 Kensington Avenue
 Buffalo, NY, USA
 14215
Telephone (716) 895 1822
Emergency phone number 1-800-255-3924

2. Hazard(s) Identification

This material is classified as hazardous under OSHA regulations (29CFR 1910.1200).

Physical hazards This mixture does not meet the classification criteria according to OSHA Hazcom 2012

Health hazards Serious eye damage/eye irritation - Category 2A
 Sensitization, skin - Category 1
 Carcinogenicity - Category 2

Environmental hazards This mixture does not meet the classification criteria according to OSHA Hazcom 2012

OSHA defined hazards This mixture does not meet the classification criteria according to OSHA Hazcom 2012

Label elements



Signal Word DANGER!

Hazard statement(s) Causes serious eye irritation.
 May cause an allergic skin reaction.
 Suspected of causing cancer.

Precautionary statement(s)

Prevention Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 Wash thoroughly after handling.
 Avoid breathing vapors or mists.
 Contaminated work clothing must not be allowed out of the workplace.
 Wear protective gloves/protective clothing/eye protection/face protection.

Response If exposed or concerned: Get medical advice/attention.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 If eye irritation persists: get medical advice/attention.
 If on skin: Wash with plenty of water.
 If skin irritation or rash occurs: Get medical advice/attention.
 Take off contaminated clothing and wash it before reuse.

SAFETY DATA SHEET

Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with local regulation.
Hazard(s) not otherwise Classified (HNOC)	None known.
Supplemental Information	None.

3. Composition/information on ingredients

Mixture

Chemical name	Common name and synonyms	CAS number	Concentration (%)
Cocamidopropyl Betaine	1-propanaminium, 3-amino-n-(carboxymethyl)-n,n-dimethyl-, N-coco Acyl Derivs., Hydroxides, Inner Salts	61789-40-0	0.5 - 1.0
4-Chloro-3,5-dimethylphenol	OCMX; 3,5-Xylenol, 4-chloro	88-04-0	0.5 - 1.0
Dimethylol-5,5-dimethylhydantoin	DMDM Hydantoin	6440-58-0	0.5 - 1.0
Tetrasodium EDTA	Terasodium salt	64-02-8	0.1 - 0.5
Diethanolamine	DEA	111-42-2	0.1 - 0.5

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

4. First-aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician if irritation develops or persists.
Skin contact	Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.
Eye contact	If in eyes, rinse with water for 15 minutes. If eye irritation persists: get medical advice/attention.
Ingestion	Do NOT induce vomiting. Rinse mouth. Call a physician if symptoms develop or persist.
Most important symptoms and effects, both acute and delayed	Causes serious eye irritation. Symptoms may include redness, pain, tearing and conjunctivitis. May cause an allergic skin reaction. Symptoms may include redness, edema, drying defatting and cracking of the skin. Suspected of causing cancer. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Indication of any immediate medical attention and special treatment needed	Treat symptomatically.
General Information	None.

5. Fire-fighting measures

Suitable extinguishing media	Water. Water Spray or Fog. Dry chemicals. Foam. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet, as this may spread burning material.
Specific hazards arising from the chemical	Thermal decomposition or combustion may liberate toxic gases or fumes.
Special protective equipment and precautions for fire-fighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment/instructions	Cool containers exposed to heat with water spray and remove container, if no risk is involved.
Specific methods	None known.
General fire hazards	No unusual fire or explosion hazards noted.
Hazardous combustion products	Carbon oxides.

SAFETY DATA SHEET

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Absorb spill with vermiculite or other inert material, then place in a sealed container for chemical waste.

Large Spills: Flush with plenty of water. Prevent entry into waterways, sewer, basements or confined areas. Dike for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Environmental precautions

Ensure spilled product does not enter drains, sewers, waterways, or confined spaces.

7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. Persons with recurrent skin eczema or sensitization problems should be excluded from working with this product. Once a person is sensitized, no further exposure to the material that caused the sensitization should be permitted.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Keep cool. Store away from incompatible materials.

8. Exposure controls/personal protection

Occupational exposure limits

U.S. OSHA Exposure Limits (29 CFR 1910)

	Type	Value
Diethanolamine (CAS 111-42-2)	TWA	3 ppm (final rule limit)

US. ACGIH Threshold Limit Values

	Type	Value
Diethanolamine (CAS 111-42-2)	TWA	1 mg/m ³ (inhalable fraction and vapor) (skin)

US. NIOSH: Pocket Guide to Chemical Hazards

	Type	Value
Diethanolamine (CAS 111-42-2)	TWA	3 ppm ; 15 mg/m ³

Biological limit values

US ACGIH Threshold Limit Values: Skin designation

Diethanolamine(CAS 111-42-2)

Can be absorbed through skin

Exposure guidelines

There is no established exposure limits for this product. The above exposure limits are provided for safety reasons.

Appropriate engineering controls

Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.

Individual protection measures, such as personal protective equipment

Eye / face protection

Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection

Chemical resistant gloves recommended.

SAFETY DATA SHEET

Other	Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health or safety professional or manufacturer for specific information.
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Contact health and safety professional or manufacturer for specific information.
Thermal hazards	Not flammable under normal conditions of use.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapour or mist. Avoid contact with skin, eyes and clothing. Do not ingest. Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove and wash contaminated clothing before re-use.
	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state	Liquid.
Form	Viscous liquid
Color	clear
Odor	Not available.
Odor threshold	Not available.
pH	7.5
Melting point /freezing point	Not available.
Initial boiling point and boiling range	100°C (212°F)

Flash point Not applicable.

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Lower flammability/explosive limit Not applicable.

Upper flammability/explosive limit Not applicable.

Vapour pressure Not available.

Vapour density Not available.

Relative density 1.019

Solubility(ies)

Other solubility(ies) No information available.

Solubility (water) Complete.

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not available.

Decomposition temperature No information available.

Viscosity Not available.

Other information

Explosive properties Not explosive

Oxidizing properties None known.

Specific gravity 1.019

Critical temperature Not available.

VOC Not available.

SAFETY DATA SHEET

Volatilities % 91%
Other physical/chemical data None known or reported by the manufacturer.

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability Stable at normal conditions.
Possibility of hazardous reactions Hazardous polymerization does not occur.
Conditions to avoid High temperatures.
Incompatible materials Strong oxidizing agents. Acids.
Hazardous decomposition products Thermal decomposition or combustion may liberate toxic gases or fumes. Carbon oxides.

11. Toxicological information

Information on likely routes of exposure

Routes of entry inhalation YES
Routes of entry skin & eye YES
Routes of entry Ingestion YES
Routes of exposure skin absorption NO

Most important symptoms/effects, acute and delayed May cause irritation to the nose, throat and upper respiratory tract. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects.
 Causes serious eye irritation. Symptoms may include redness, pain, tearing and conjunctivitis. May cause an allergic skin reaction. Symptoms may include redness, edema, drying defatting and cracking of the skin. Suspected of causing cancer. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Information on toxicological effects

Acute toxicity No adverse effects are expected.

Components	Species	Test Results
Cocamidopropyl Betaine		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg
<i>Inhalation</i>		
LC50	Rat	N/Av
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg
4-Chloro-3,5-dimethylphenol		
Acute		
<i>Dermal</i>		
LD50	Rabbit	N/Av
<i>Inhalation</i>		
LC50	Rat	N/Av
<i>Oral</i>		
LD50	Rat	3830 mg/kg
Dimethylol-5,5-dimethylhydantoin		
Acute		

SAFETY DATA SHEET

<i>Dermal</i>		
LD50	Rabbit	N/Av
<i>Inhalation</i>		
LC50	Rat	N/Av
<i>Oral</i>		
LD50	Rat	2 g/kg
Tetrasodium EDTA		
Acute		
<i>Dermal</i>		
LD50	Rabbit	N/Av
<i>Inhalation</i>		
LC50	Rat	N/Av
<i>Oral</i>		
LD50	Rat	> 2000 mg/kg
Diethanolamine		
Acute		
<i>Dermal</i>		
LD50	Rabbit	8180 mg/kg
<i>Inhalation</i>		
LC50	Rat	N/Av
<i>Oral</i>		
LD50	Rat	680 mg/kg
Skin Corrosion/Irritation	Direct skin contact may result in little or no irritation.	
Serious eye damage/Irritation	Direct contact with eyes may cause temporary irritation.	
Respiratory or skin sensitization	This material is classified as hazardous under OSHA regulations (29CFR 1910.1200) (Hazcom 2012). Classification: Skin sensitization - Category 1 May cause an allergic skin reaction. Not expected to be a respiratory sensitizer.	
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Carcinogenicity	This material is classified as hazardous under OSHA regulations (29CFR 1910.1200) (Hazcom 2012). Classification: Carcinogenicity- Category 2 Suspected of causing cancer. Contains: Diethanolamine	
IARC Monographs. Overall Evaluation of Carcinogenicity		
Diethanolamine(CAS 111-42-2)	Group 3 (Not Classifiable)	
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.	
Specific target organ toxicity - single exposure	Not classified as a specific target organ toxicity - single exposure.	
Specific target organ toxicity - repeated exposure	Not classified as a specific target organ toxicity - repeated exposure.	
Chronic effects	Not available.	
Aspiration toxicity	Not expected to be an aspiration hazard.	
Further information	See below for individual ingredient acute toxicity data.	
12. Ecological information		
Ecotoxicity	The product is not classified as environmentally hazardous.	

SAFETY DATA SHEET

Ecotoxicity data:				
Ingredients	CAS No	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
Cocamidopropyl Betaine	61789-40-0	2.0 mg/L (Zebra fish)	0.16 mg/L/28 days (Rainbow trout)	None.
4-Chloro-3,5-dimethylphenol	88-04-0	0.13 - 1.0 mg/L (Rainbow trout)	N/Av	None.
Dimethylol-5,5-dimethylhydantoin	6440-58-0	N/Av	N/Av	None.
Tetrasodium EDTA	64-02-8	121 mg/L (Bluegill sunfish)	N/Av	None.
Diethanolamine	111-42-2	1370 mg/L (Fathead minnow)	N/Av	None.

Ingredients	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Cocamidopropyl Betaine	61789-40-0	1.9 mg/L (Daphnia magna)	0.9 mg/L	None.
4-Chloro-3,5-dimethylphenol	88-04-0	6.7 - 9 mg/L (Daphnia magna)	N/Av	None.
Dimethylol-5,5-dimethylhydantoin	6440-58-0	N/Av	N/Av	None.
Tetrasodium EDTA	64-02-8	140 mg/L (Daphnia magna)	22 mg/L	None.
Diethanolamine	111-42-2	55 mg/L (Daphnia magna)	0.78 mg/L	None.

Ingredients	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Cocamidopropyl Betaine	61789-40-0	0.55 mg/L (Green algae)	N/Av	1
4-Chloro-3,5-dimethylphenol	88-04-0	N/Av	N/Av	None.
Dimethylol-5,5-dimethylhydantoin	6440-58-0	N/Av	N/Av	None.
Tetrasodium EDTA	64-02-8	> 100 mg/L/72hr (Green algae)	48.4 mg/L/72hr	None.
Diethanolamine	111-42-2	2.2 mg/L/96hr (Green algae)	N/Av	None.

Persistence and degradability

Not available.

Bioaccumulation potential

Not available.

Cocamidopropyl Betaine (CAS 61789-40-0)	N/Av	N/Av
4-Chloro-3,5-dimethylphenol (CAS 88-04-0)	N/Av	N/Av
Dimethylol-5,5-dimethylhydantoin (CAS 6440-58-0)	N/Av	N/Av
Tetrasodium EDTA (CAS 64-02-8)	N/Av	N/Av

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Diethanolamine (CAS 111-42-2)	-2.18 at 25 °C	no significant bioconcentration

Mobility in soil

Not available.

Other adverse effects

SAFETY DATA SHEET

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal consideration

Disposal instructions	Handle waste according to recommendations in Section 7.
Local disposal regulations	Reuse or recycling should be given priority over disposal. If the material is unsuitable for recycling or reclamation, dispose of in accordance with federal, provincial and local hazardous waste laws. Contact your local, state or federal environmental agency for specific rules.
Hazardous waste code	If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.
Waste from residues / unused products	
Contaminated packaging	

14. Transport information

49CFR/DOT	Not regulated as dangerous goods
ICAO/IATA	Not regulated as dangerous goods
IMDG	Not regulated as dangerous goods

General information	Not available.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	This information is not available.

15. Regulatory information

US Federal Information: SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Acute Health Hazard ;Chronic Health Hazard Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds for the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

Components listed below are present on the following U.S. Federal chemical lists:

<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
Cocamidopropyl Betaine	61789-40-0	Yes	None.	None.	No	N/Ap
4-Chloro-3,5-dimethylphenol	88-04-0	Yes	N/Ap	N/Av	No	NS
Dimethylol-5,5-dimethylhydantoin	6440-58-0	Yes	N/Ap	N/Av	No	N/Ap
Tetrasodium EDTA	64-02-8	Yes	N/Ap	N/Ap	No	N/Ap
Diethanolamine	111-42-2	Yes	100 lb/ 45.4 kg	None.	Yes	1%

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SAFETY DATA SHEET

Hazard categories

Immediate Hazard - Yes
 Delayed Hazard - Yes
 Fire Hazard -
 Pressure Hazard -
 Reactivity Hazard -

US state regulations

The following chemicals are specifically listed by individual States:

Ingredients	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Cocamidopropyl Betaine	61789-40-0	No	N/Ap	No	No	No	No	No	No
4-Chloro-3,5-dimethylphenol	88-04-0	No	N/Ap	No	No	No	No	No	No
Dimethylol-5,5-dimethylhydantoin	6440-58-0	No	N/Ap	No	No	No	No	No	No
Tetrasodium EDTA	64-02-8	No	N/Ap	No	No	No	No	No	No
Diethanolamine	111-42-2	Yes	Carcinogen	Yes	Yes	Yes	Yes	Yes	Yes

International Inventories

Components listed below are present on the following International Inventory lists:

Ingredients	CAS #	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Cocamidopropyl Betaine	61789-40-0	263-058-8	Present	Present	(2)-1290	KE-01243	Present (00901)	HSR003529
4-Chloro-3,5-dimethylphenol	88-04-0	201-793-8	Present	Present	(9)-1650; (3)-936; (3)-727; (3)-542	KE-05943	Present	HSR003373
Dimethylol-5,5-dimethylhydantoin	6440-58-0	229-222-8	Present	Present	(5)-6503	KE-03214	Present	HSR002726
Tetrasodium EDTA	64-02-8	200-573-9	Present	Present	(2)-1265	KE-13654	Present	HSR003275
Diethanolamine	111-42-2	203-868-0	Present	Present	(2)-354; (2)-302	KE-20959	Present (11481)	HSR002962

16. Other information, including date of preparation or last revision

Issue date 08/24/2015
Version # 1
Legend

ACGIH: American Conference of Governmental Industrial Hygienists
 CA: California
 CAS: Chemical Abstract Services
 CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
 DOT: Department of Transportation
 HSDB: Hazardous Substances Data Bank
 IARC: International Agency for Research on Cancer
 Inh: Inhalation
 LC: Lethal Concentration
 LD: Lethal Dose
 MA: Massachusetts
 MN: Minnesota
 MSHA: Mine Safety and Health Administration
 N/Ap: Not Applicable
 N/Av: Not Available

SAFETY DATA SHEET

NIOSH: National Institute of Occupational Safety and Health
 NJ: New Jersey
 NTP: National Toxicology Program
 OSHA: Occupational Safety and Health Administration
 PA: Pennsylvania
 PEL: Permissible exposure limit
 RCRA: Resource Conservation and Recovery Act
 RI: Rhode Island
 RTECS: Registry of Toxic Effects of Chemical Substances
 SARA: Superfund Amendments and Reauthorization Act
 STEL: Short Term Exposure Limit
 TCC: Tagliabue Closed Cup
 TDG: Canadian Transportation of Dangerous Goods Act & Regulations
 TLV: Threshold Limit Values
 TWA: Time Weighted Average
 TSCA: Toxic Substance Control Act
 WHMIS: Workplace Hazardous Materials Identification System

Other special considerations for handling

: Provide adequate information, instruction and training for operators.

HMIS Rating

: ~~* - Chronic hazard 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe~~
Health: 2 Flammability: 3 Reactivity: 0

NFPA Rating

0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe
 : *Health: 2 Flammability: 3 Instability: 0 Special Hazards: None*

Disclaimer

Prepared by: ICC The Compliance Center Inc.
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Bibliography

1. ACGIH, Threshold Limit Values and Biological Exposure Indices for
2. International Agency for Research on Cancer Monographs, searched
3. Canadian Centre for Occupational Health and Safety, CCIInfoWeb databases (Chempendium, HSDB and RTECs).
4. Material Safety Data Sheet from manufacturer.
5. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2014.