

Safety Data Sheet


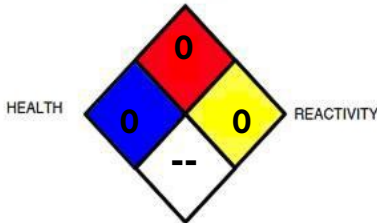
Section 1: Product & Company Identification

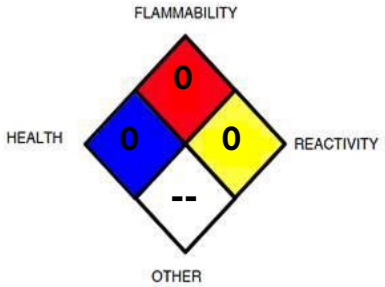
Product Name:	Sulfobetaine-10
Product #:	S-1020
Synonyms:	Zwittergent 3-10 Detergent; Zwittergent 310; Caprylyl sulfobetaine; SB3-10; 3-(Decyldimethylammonio)propane-1-sulfonate; SB-10; N-Decyl-N,N-Dimethyl-3-Ammonio-1-Propane-Sulfonate
Supplier:	AG Scientific Holdings, LLC 9950 Scripps Lake Drive, Suite 104 San Diego CA 92131 Tele# + 858-452-9925
Emergency Tele#:	ChemTel, Tele# in USA 1-800-255-3924, International 1-813-248-0585

Section 2: Composition / Information on Ingredients

Component	CAS#	EC #	% Composition
Sulfobetaine-10	15163-36-7	-	≥98

Section 3: Hazards Identification

Symbols	
HMIS Classification	<p style="text-align: center;">FLAMMABILITY</p>  <p style="text-align: center;">OTHER</p>

NFPA Classification	 <p>The diagram is a diamond-shaped hazard diamond. The top triangle is red and contains the number '0'. The left triangle is blue and contains the number '0'. The right triangle is yellow and contains the number '0'. The bottom triangle is white and contains two dashes '--'. The diamond is labeled 'FLAMMABILITY' at the top, 'HEALTH' on the left, 'REACTIVITY' on the right, and 'OTHER' at the bottom.</p>
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Section 4: First Aid Measures

General Overview:	<p>Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with labored breathing: half Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.</p>
Inhalation:	<p>Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.</p>
Skin:	<p>Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.</p>
Eyes:	<p>Rinse opened eye for several minutes under running water. If eye irritation persists, consult a physician. Do not apply neutralizing agents.</p>
Ingestion:	<p>Rinse out mouth and then drink plenty of water. Induce vomiting if person is fully conscious. Seek medical help. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs (aspiration).</p>
	<p>See section 11 for more detailed information on health effects & symptoms.</p>

SECTION 5: Fire Fighting Measures

Flammability of the product:	<p>No data available</p>
Extinguishing Media:	<p>CO₂, powder, or water spray. Fight larger fires with water fog. Use fire extinguishing methods suitable to surrounding conditions.</p>
Hazardous thermal (de)composition products:	<p>No data available</p>
Special Fire Fighting Procedures:	<p>Wear fully protective suit. Do not inhale explosion gases or combustion gases. Wear self-contained breathing apparatus with facepiece.</p>
Flash Point:	<p>No data available</p>




Section 6: Accidental Release Measures


Personal Precautions:	Personal Protection Equipment for Emergency Responders: Keep away from ignition sources. Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.
Environmental Precautions:	Dump down dust with water spray. Do not allow to enter sewers/ surface or ground water.
Methods for Clean-up:	Ensure adequate ventilation. Pick up mechanically using appropriate tools. Dispose contaminated material as waste according to Section 13.

SECTION 7: Handling & Storage

Storage:	Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store at room temperature.
Handling:	Avoid raising dust. Keep away from naked flames/heat. In finely divided state: use spark. Finely divided: keep away from ignition sources/sparks. Carry operations in the open/under local exhaust/ventilation or Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Thoroughly clean/dry the installation before use. Powdered form: no compressed air for pumping over. Keep container tightly close.

SECTION 8: Exposure controls / Personal Protection

Respiratory Protection:	 <p>In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Filter FFP2.</p>
Skin and Body:	 

	Protective gloves. Avoid contact with skin. Immediately remove all soiled and contaminated clothing. Store protective clothing separately.
Eyes:	 <p>Avoid contact with the eyes.</p>
Ventilation/Engineering Measures:	N/A
Hygiene:	Wash hands before breaks and at the end of work.
Other:	No further relevant information available.

SECTION 9: Physical and Chemical Properties

Appearance & Odor:	White crystalline powder, slightly characteristic odor
Formula	$C_{15}H_{33}NO_3S$
Molecular Wt.	307.5
Melting Pt.	>217°C
Boiling Pt.	No data available
Density:	No data available
Vapor Pressure:	No data available
Evaporation Rate:	No data available
Vapor Density:	No data available
Solubility:	Water
Flash Point:	Recommended to keep under 110°C
Autoignition Temp:	No data available

SECTION 10: Stability and Reactivity

Stability:	Stable under normal temperatures and pressures.
Hazardous decomposition products:	Carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides
Materials to Avoid:	Strong oxidizing agents
Conditions to avoid:	No data available

SECTION 11: Toxicological Information

RTECS#:	N/A
ACUTE Toxicity:	N/A
CHRONIC Toxicity:	N/A
Chronic Exposure: Carcinogen: Mutagen: Teratogen: Reproductive:	<p>IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.</p> <p>AGGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, potential human carcinogen by ACGIH.</p> <p>NTP: No component of this product present at levels greater than or equal to 0.1% is identified as known or anticipated human carcinogen by NTP.</p> <p>OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as known or potential human carcinogen by OSHA.</p> <p>EPA: No classification on carcinogenic data is available from EPA</p>

SECTION 12: Ecological Information

Ecotoxicity:	No data available
Mobility:	No data available
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Other adverse effects:	No data available
Corrosivity Characteristic:	No data available
General Notes:	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

SECTION 13: Disposal Considerations

Residue Waste or Unused product:	Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Contaminated Packaging:	Observe all federal, state, and local environmental regulations.

SECTION 14: Transportation Information

UN ID#:	N/A
ADR / RID (LAND):	Not regulated

DOT regulations:	Not regulated
IMDG/IMO (SEA):	Not regulated
IATA/DGR (AIR):	Not regulated
Special Provisions:	N/A

SECTION 15: Regulatory Information

Health Phrases:	H315 Causes skin irritation H319 Causes serious eye irritation
Risk Phrases:	P261 Avoid breathing dust/fume/gas/mist/vapors/spray. P264 Wash hands, forearms, and face thoroughly after handling. P271 Use only outdoors or in a well P280 Wear protective gloves/protective clothing/eye protection/face protection.
Safety Phrases:	P302+P352 If on skin: Wash with plenty of water P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. P312 Call a poison center or doctor if you feel unwell P321 Specific treatment (see supplemental first aid instruction on this label) P332+P313 If skin irritation occurs: Get medical advice/attention.
EU Regulations:	N/A
US Regulations:	TSCA: Not listed California Proposition 65: No products were found
U.S. Federal Regulations:	SARA 302/304 emergency planning and notification: No products were found. SARA 311/312 MSDS distribution-chemical inventory-hazard identification: No products were found. SARA 313 toxic chemicals notification and release reporting: No products were found. Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found. Clean Air Act (CAA) 112 accidental release prevention: No products were found. Clean Air Act (CAA) 112 regulated flammable substances: No products were found. Clean Air Act (CAA) 112 regulated toxic substances: No products were found. OSHA: Skin Corrosion/irritation (Cat. 2); Serious eye damage/eye irritation (Cat. 2)
WHMIS (Canada):	N/A



SECTION 16: Other Information

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