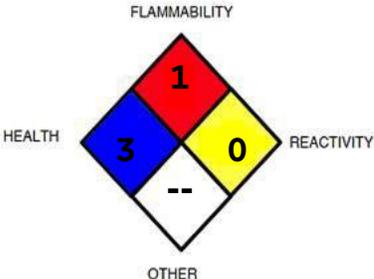
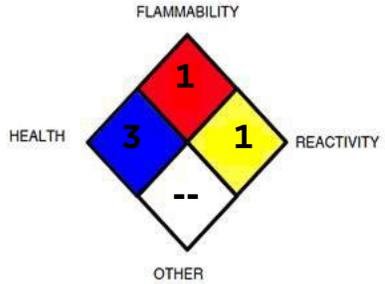


Safety Data Sheet

Section 1: Product & Company Identification	
Product Name:	Sulfobetaine-12
Product #:	S-1022
Synonyms:	Zwittergent 3-12; SB3-12; Lauryl sultaine; 3-(N,N-Dimethyldodecylammonio)propanesulfonate; N-Dodecyl-N,N-Dimethyl-3-Ammonio-1-Propane Sulfate
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-12	14933-08-5	-	≥ 98

Section 3: Hazards Identification	
Symbols	
HMIS Classification	<p style="text-align: center;">FLAMMABILITY</p>  <p style="text-align: center;">OTHER</p>

NFPA Classification	
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Section 4: First Aid Measures

General Overview:	Get medical attention.
Inhalation:	Remove to fresh air. Treat symptomatically. Get medical attention.
Skin:	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash contaminated clothing before using again. Destroy contaminated shoes.
Eyes:	Immediately flush with plenty of water for at least 15 minutes and get medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Immediately give victim a glass of water. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.
	See section 11 for more detailed information on health effects & symptoms.

SECTION 5: Fire Fighting Measures

Flammability of the product:	No data available
Extinguishing Media:	Water spray, chemical powder, carbon dioxide, or foam as appropriate for surrounding fire and materials.
Hazardous thermal (de)composition products:	No data available
Special Fire Fighting Procedures:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and yes.
Flash Point:	No data available

Section 6: Accidental Release Measures

Personal Precautions:	Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.
Environmental Precautions:	No data available

Methods for Clean-up:	Sweep up, place in a bag and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.
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SECTION 7: Handling & Storage

Storage:	Keep in a tightly closed container, store in a cool, dry, ventilated place. Isolate from any source of heat or ignition. Store at room temperature.
Handling:	Avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Wash thoroughly after handling.

SECTION 8: Exposure controls / Personal Protection

Respiratory Protection:	 <p>For conditions of use where exposure to the dust or mist is apparent, a half-face dust/mist respirator may be worn. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator.</p>
Skin and Body:	  <p>Wear gloves. Wear boots and protective clothing.</p>
Eyes:	 <p>Wear goggles or a face shield.</p>
Ventilation/Engineering Measures:	Ensure adequate ventilation.

Hygiene:	Handle in accordance with good industrial hygiene and safety practice.
Other:	N/A

SECTION 9: Physical and Chemical Properties

Appearance & Odor:	White powder
Formula	C ₁₇ H ₃₇ NO ₃ S
Molecular Wt.	335.5
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:	No data available
Autoignition Temp:	No data available

SECTION 10: Stability and Reactivity

Stability:	Stable under recommended storage conditions.
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>
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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. Observe all federal, state, and local environmental regulations.
Contaminated Packaging:	Dispose of as unused product.

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:	<p>Warning!</p> <p>H315 Causes skin irritation.</p> <p>H319 Causes serious eye irritation</p> <p>H335 May cause respiratory irritation.</p>
Risk Phrases:	P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Safety Phrases:	N/A
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 irritation (Cat. 2); Eye irritation (Cat. 2); Specific target organ toxicity - single exposure - respiratory system (Cat. 3)
WHMIS (Canada):	N/A

SECTION 16: Other Information

LIABILITY STATEMENT: *The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. AG Scientific shall not be held liable for any damages resulting from handling or from contact with the above product. AG Scientific products are for research purposes only. Not for human use or consumption.*