



Safety Data Sheet

According to Regulation (EC) no. 1907/2006

Product Name
Sodium Octyl Sulfate

1.0 Chemical product and company identification

1.1 Product Identifier

MSDS Name: Sodium Octyl Sulfate
Substance name: Sodium Octyl Sulfate
CAS No: 142-31-4
PRODUCT CODE:

1.2 Details of the supplier of the safety data sheet

Company Identification:
SOLUMETRICS LTD,
UNIT 1B SILEBY ROAD INDUSTRIAL ESTATE. BARROW ON SOAR, LEIC'S. LE12 8LP.
For information call. +44 (0)1509 815348
For emergencies call. +44 (0)1509 815348
For Email. techinfo@solumetrics.com

2.0 Possible Hazards

Classification of the substance or mixture

Classification according to regulation (EC) No 1271/2008 (CLP/GHS)

EYE IRRITATION (CATEGORY 2) H319
SKIN IRRITATION (CATEGORY 2) H315
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (CATEGORY 3) H335

2.2 Label Elements

Hazard Pictogram :



Hazard Statements :

EYE IRRITATION (CATEGORY 2) H319
SKIN IRRITATION (CATEGORY 2) H315
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (CATEGORY 3) H335

Precaution Statements :

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray

2.3 Other Hazards - None

3.0 COMPOSITIONAL INFORMATION

3.1 Substances

Synonyms: Octyl Sulfate Sodium Salt
Formula: C₈H₁₇NaO₄S
Molecular Weight: 232.27 g/mol
CAS-No: 142-31-4
EC-No: 205-535-5

Hazardous Ingredients according to Regulation (EC) No 1272/2008

Component	Classification	Concentration
Octyl Sulfate Sodium Salt	Octyl Sulfate Sodium Salt	<=100%
CAS-NO - 142-31-4	Skin Irrit. 2 ; Eye Irrit. 2; STOT	
EC-NO - 205-535-5	SE 3; H315, H319, H335	

4.0 First Aid measures

4.1 Description of first aid measures

General Advice

Consult a physician. Show this safety data sheet to the doctor in attendance

If Inhaled:

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In Case of Skin contact:	Wash off immediately with soap and plenty of water Obtain medical attention
In case of eye contact:	Immediately flush with copious amounts of water for at least 15 minutes occasionally lifting the upper and lower eyelids. Get medical attention as soon as possible.
If Swallowed:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician
4.2 Most important symptoms and effects, both acute and delayed	No Data Available
4.3 Indication of any immediate medical attention and special treatment needed	No Data Available

5.0 FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing Media:	Use Water spray, alcohol-resistant foam, dry chemical or carbon dioxide
Un-Suitable extinguishing Media:	No information Available
5.2 Special hazards arising from the substance or mixture	No Data available
5.3 Advice for fire-fighters	Wear self contained breathing apparatus for fire fighting if necessary
5.4 Further Information:	No Data available

6.0 Accidental Release Measures

6.1 Personal Precautions, protective equipment and emergency procedures	Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
6.2 Environmental precautions:	Do not let product enter drains
6.3 Methods and materials for containment and cleaning up:	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7.0 Handling and storage

7.1 Precautions for safe handling	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
7.2 Conditions for safe storage, including and incompatibilities	Store in cool place. Keep container tightly closed in dry and well-ventilated place
Advice on safe handling:	Wear personal Protective equipment ensure adequate ventilation do not get in eyes, on skin, or on clothing Avoid ingestion and inhalation avoid dust formation
Hygiene measures:	Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday. Take off all contaminated clothing immediately. Avoid contact with the skin and the eyes. Do not breathe vapours or spray mist. Use adequate ventilation to keep airborne concentrations low.
7.3 Specific end uses	No data available

8.0 Exposure controls/ personal protection

8.1 Control parameters	Contains no substances with occupational exposure limit values.
Components with work place control parameters	
	Octyl Sulfate Sodium Salt

8.2 Exposure Controls Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.

Personal Protective Equipment

Eye/Face Protection	Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU)
Skin Protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.	
Full Contact Material - Nitrile rubber Minimum layer thickness - 0.11 mm Break through times - 480 mm	
Splash Contact Material - Nitrile Rubber Minimum layer thickness - 0.11 mm Break through time - 480 mm	
If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific scenario.	
Body Protection	Complete suit protecting against chemicals. Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection	Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)
Control of environmental exposure	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9.0 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Crystalline / White
Colour	No Date Available
Odour	No Date Available
Odour Threshold	No Date Available
pH	No Date Available
Melting point/ freezing point	195C - Dec
Initial boiling point and boiling range	No Date Available
Flash point	No Date Available
Evaporation rate	No Date Available
Flammability (solids, gas)	No Date Available
Upper/lower flammability or explosive limits	No Date Available
Vapour	No Date Available
Vapour	No Date Available
Relative Density	No Date Available
Water Solubility	No Date Available
Partition coefficient: n- Octanol/ water	No Date Available
Autoignition temperature	No Date Available
Decomposition	No Date Available
Viscosity	No Date Available
Explosive properties	No Date Available
Oxidizing properties	No Date Available

10.0 Stability and reactivity

10.1 Reactivity	No Date Available
10.2 Chemical stability	Stable under recommended storage conditions
10.3 Possibility of hazardous reactions	
Hazardous Reactions	No Date Available
Hazardous reaction:	No Date Available
10.4 Conditions to avoid	No Date Available
10.5 Incompatible materials	
Materials to avoid:	Strong Oxidizing Agents
10.6 Hazardous decomposition products	No Date Available

11.0 Toxicological Information**11.1 Information on toxicological effects****Acute Toxicity**

LD50 Oral - rat -3200 mg/kg

Remarks. Behavioral: Somnolence (general depressed activity) Gastrointestinal disturbance Diarrhoea

Skin corrosion/ irritation	No Data Available
Serious eye damage/eye irritation	No Data Available
Respiratory or Skin sensitization	No Data Available
Germ cell mutagenicity	No Data Available
Carcinogenicity	No Data Available
Reproductive toxicity	No Data Available
Specific target organ toxicity - single exposure	No Data Available
Specific target organ toxicity - repeated exposure	No Data Available
Aspiration Hazard	No Data Available
Signs and symptoms of exposure	No Data Available

12.0 Ecological Information

12.1 Toxicity	No Data Available
12.2 Persistence and degradability	No Data Available
12.3 Bioaccumulative potential	No Data Available
12.4 Mobility in soil	No Data Available
12.5 Results of PBT and vPvB assessment	No Data Available

13.0 Disposal considerations**13.1 Waste treatment methods**

Product	Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber
Contaminated Packaging	Dispose of as unused product

14.0 Transport information**IMDG/IMO**

UN Number	Not Dangerous Goods
Hazard Class	Not Dangerous Goods
Packing Group	Not Dangerous Goods
Proper Shipping Name	Not Dangerous Goods

ADR

UN Number	Not Dangerous Goods
Hazard Class	Not Dangerous Goods
Packing Group	Not Dangerous Goods
Proper Shipping Name	Not Dangerous Goods

IATA

UN Number	Not Dangerous Goods
Hazard Class	Not Dangerous Goods
Packing Group	Not Dangerous Goods
Proper Shipping Name	Not Dangerous Goods

15.0 Regulatory Information

This safety datasheet complies with the requirement of regulation (EC) No. 1907/2006

15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture	No Data Available
15.2 Chemical Safety Assessment	No Data Available

Other information

Section 16: Other information

Hazard Statements :

EYE IRRITATION (CATEGORY 2) H319
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This information is based upon Solumetrics Ltd Knowledge of this product at the time this Safety Data Sheet was prepared. It is given in good faith and no warranty is implied. The information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The user must satisfy him/her self as to the purpose this product is put to and the possible change in classification should this product be mixed or formulated with other compounds