



Safety Data Sheet

According to Regulation (EC) no. 1907/2006

Product Name
SODIUM DECYL SULFATE

1.0 Chemical product and company identification

1.1 Product Identifier

MSDS Name:	SODIUM DECYL SULFATE
Substance name:	SODIUM DECYL SULFATE
CAS No:	142-87-0
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)

ACUTE TOXICITY , ORAL (CATERORY 4)
SKIN IRRITATION (CATERGORY 2)
SERIOUS EYE DAMAGE (CATEGORY 1)

Classification according to Directive 67/548/EEC (DSD)

HARMFULL IF SWALLOWED. IRRITATING TO SKIN. RISK OF SERIOUS DAMAGE TO EYES.

2.2 Label Elements

Hazard Pictogram :



Hazard Statements :

H302: Harmful if swallowed
H313: May be harmful in contact with skin
H318: Causes serious eye damage

Precaution Statements :

P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

R-Phrase(s)

R22	Harmful if swallowed
R38	Irritating to skin
R41	Risk of serious damage to eyes

S-phrase(s)

S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.

2.3 Other Hazards - None

3.0 COMPOSITIONAL INFORMATION

3.1 Substances

Synonyms	Decyl Sulfates Sodium Salt
Formula	C10H21NaO4S
Molecular Weight	260.33g/mol

Component	Concentration
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Sodium Decyl Sulphate	
CAS-No. 142-87-0	
EC-No. 205-568-5	

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:	Remove person to fresh air immediately. If not breathing give artificial respiration. If breathing is difficult give oxygen. Get medical attention.
In Case of Skin contact:	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes 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:	Clean mouth with water Get medical attentionIf swallowed DO NOT induce vomiting unless directed by to do so by medical personnel. DO NOT give anything by mouth to an unconscious person. Get medical assistance.
4.2 Most important symptoms and effects, both acute and delayed	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.
4.3 Indication of any immediate medical attention and special treatment needed	No Data Available
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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	Carbon oxideas, Sulphur Oxides, Sodium Oxides
5.3 Advice for fire-fighters	Wear self contained breathing apparatus for fire fighting if necessary
5.4 Further Information:	No Data available
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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.
6.4 Reference to other sections	For disposal see section 13
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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
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8.0 Exposure controls/ personal protection	
8.1 Control parameters	
Components with work place control parameters	This product, as supplied does not contain and hazardous material with occupational exposure limits established by the region specific regulatory bodies.

SODIUM DECYL SULFATE

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

Material tested: Dermatril (Aldrich Z677272, SizeM)

Splash Contact

Material - Nitrile Rubber
Minimum layer thickness - 0.11 mm
Break through time - 30 mm

Material tested: Dermatril (Aldrich Z677272, SizeM)

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	Form: flakes
Colour	White
Odour	No Date Available
Odour Threshold	No Date Available
pH	No Date Available
Melting point/ freezing point	No Date Available
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 Data Available

10.2 Chemical stability

No Data Available

10.3 Possibility of hazardous reactions

Hazardous Reactions	No Data Available
Hazardous reaction:	No Data Available
10.4 Conditions to avoid	No Data Available
10.5 Incompatible materials	
Materials to avoid:	Acids Strong Oxidising agents
10.6 Hazardous decomposition products	Other decomposition products - No data available

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

LD50 Oral - rat - 1950 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	IARC: No component of this product at level greater than or equal to 0.1% is identified as probable. Possible or confirmed human carcinogen by IARC
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
Potential health effects	
Inhalation	May be harmful if inhaled. Causes respiratory track irritation
Ingestion	Harmful if swallowed
Skin	May be harmful if absorbed through skin. Causes skin irritation
Eyes	Causes eye burns
Signs and symptoms of exposure	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated
Additional Information	RTECS: WS725000

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. Contact a licensed professional waste disposal service to dispose of this material. 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

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