



SAFETY DATA SHEET

Revision Date **15-Mar-2012**

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name SODIUM DODECYL SULFATE, ULTRA PURE

Recommended Use For research use only
Registration Number No information available

1.1 Product Identifier

Catalog Number: 811030

Supplier: MP Biomedicals, LLC
29525 Fountain Parkway
Solon, OH 44139
tel: 440-337-1200

Emergency Telephone Number: CHEMTREC: 1-800-424-9300 (1-703-527-3887)

1.2 Relevant identified uses of the substance or mixture and uses advised against

2. HAZARDS IDENTIFICATION

GHS - Classification

Acute Oral Toxicity Category 4
Acute Dermal Toxicity Category 3

GHS Label elements, including precautionary statements

Physical Hazards None



Signal Word

Danger

Precautionary Statements

P264 - Wash face, hands and any exposed skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P301+ P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P330 - Rinse mouth
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P302+ P352 - IF ON SKIN: Wash with plenty of soap and water
P312 - Call a POISON CENTER/doctor/physician if you feel unwell
P322 - Specific measures (see .? on this label)
P361 - Remove/Take off immediately all contaminated clothing
P363 - Wash contaminated clothing before reuse
P405 - Store locked up
P273 - Avoid release to the environment
P501 - Dispose of contents/container to an approved waste disposal plant

NFPA rating:

NFPA Health: 2
NFPA Flammability: 1
NFPA Reactivity: 0
NFPA Special Note: -

Precautionary Statements Prevention

Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.

General advice

Specific measures (see supplemental first aid instructions on this label).

Skin

IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or doctor/physician if you feel unwell. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.

Ingestion

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Rinse mouth

Storage

Store locked up

Disposal

Dispose of contents of container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms:

Sodium Lauryl Sulfate; Sulfuric Acid, Monododecyl Ester, Sodium Salt; Dodecyl Sulfate, sodium salt; SLS; SDS; Neutrazyme; Lauryl Sulfate Sodium Salt; SDS Running Buffer

Formula:

C₁₂-H₂₅-O₄-S•Na

Molecular weight:

288.38

Chemical Name	EC No.	CAS Number	Weight %	Classification (67/548)	Classification (Reg. 1272/2008)	REACH Registration Number
SODIUM DODECYL SULFATE	EEC No. 205-788-1	151-21-3	100	Xn		No data available

For the full text of the R phrases and H statements mentioned in this section, see Section 2

4. FIRST AID MEASURES

4.1 Description of first-aid measures

General Advice

If symptoms persist, call a physician.

Eye Contact

Do not rub affected area. Get medical attention immediately if irritation persists.

Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Inhalation	Move to fresh air in case of accidental inhalation of vapors. Immediate medical attention is required. Toxic by inhalation
Rinse mouth	Call a POISON CENTER or doctor/physician if exposed or you feel unwell. If swallowed, get medical help or contact a Poison Control Center right away. Remove from source of exposure.

4.2 Most important symptoms and effects, both acute and delayed

Main Symptoms No information available

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media

Dry chemical, CO₂, water spray or regular foam. Dry chemical, CO₂, water spray or alcohol-resistant foam.

Extinguishing media which must not be used for safety reasons

No information available

5.2 Special hazards arising from the substance or mixture

No information available.

5.3 Advice for firefighters

Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Pay attention to flashback.

See Section 12 for additional information.

6.2 Environmental precautions

Refer to protective measures listed in Sections 7 and 8.

6.3 Methods and materials for containment and cleaning up

No information available.

6.4 Reference to other sections

See Section 12 for additional information

7. HANDLING AND STORAGE

Storage

ROOM TEMPERATURE

7.1 Precautions for safe handling

Ensure adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a cool, well-ventilated place

7.3 Specific end uses

Exposure Scenario

No information available

Other Guidelines

No information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure Limits	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Derived No Effect Level (DNEL)	No information available
Predicted No Effect Concentration (PNEC)	No information available

8.2 Exposure controls

Engineering Measures	Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment	
Eye Protection	Tightly fitting safety goggles
Skin and Body Protection	Long sleeved clothing
Hand Protection	Protective gloves
Respiratory Protection	No special protective equipment required.
Other Protective Equipment	Impervious clothing.
Environmental Exposure Controls	No information available.
Hygiene Measures	Provide regular cleaning of equipment, work area and clothing..

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Physical State	Solid.
Appearance and Odor:	White cream colored or light yellow crystalline; faint fatty odor.

Physical Property Data

pH Value	7.2
Flash Point	150°C/302°F
Autoignition Temperature	248°C/478°F
Melting/Freezing Point	204°C/399°F
Boiling Point (°C)	No information available.
Vapor Pressure	No data available
Vapor Density	No information available
Water Solubility	No data available
Evaporation Rate	No data available.
Flammability (solid, gas)	No data available

Carcinogenic Effects	None known.
Reproductive Toxicity	None known
Developmental Toxicity	None known.
Aspiration hazard	None known

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

Chemical Name	Ecotoxicity - Freshwater Algae - Acute Toxicity Data	Ecotoxicity - Freshwater Fish - Acute Toxicity Data	Ecotoxicity - Water Flea - Acute Toxicity Data
SODIUM DODECYL SULFATE 151-21-3	EC50 (96 h) 117 mg/L (Pseudokirchneriella subcapitata) EC50 (96 h) 3.59 - 15.6 mg/L (Pseudokirchneriella subcapitata) EC50 (96 h) 30 - 100 mg/L (Desmodesmus subspicatus) EC50 (72 h) 53 mg/L (Desmodesmus subspicatus)	LC50 (96 h) 9.9 - 20.1mg/L (Brachydanio rerio) semi-static LC50 (96 h) 4.5mg/L (Lepomis macrochirus) LC50 (96 h) 15 - 18.9mg/L (Pimephales promelas) static LC50 (96 h) 4.06 - 5.75mg/L (Lepomis macrochirus) static LC50 (96 h) 4.2 - 4.8mg/L (Lepomis macrochirus) flow-through LC50 (96 h) 4.3 - 8.5mg/L (Oncorhynchus mykiss) static LC50 (96 h) 8 - 12.5mg/L (Pimephales promelas) static LC50 (96 h) 4.2mg/L (Oncorhynchus mykiss) LC50 (96 h) 13.5 - 18.3mg/L (Poecilia reticulata) semi-static LC50 (96 h) 22.1 - 22.8mg/L (Pimephales promelas) static LC50 (96 h) 5.8 - 7.5mg/L (Pimephales promelas) static LC50 (96 h) 4.62mg/L (Oncorhynchus mykiss) flow-through LC50 (96 h) 10.2 - 22.5mg/L (Pimephales promelas) semi-static LC50 (96 h) 10.8 - 16.6mg/L (Poecilia reticulata) static LC50 (96 h) 6.2 - 9.6mg/L (Pimephales promelas) LC50 (96 h) 1.31mg/L (Cyprinus carpio) semi-static LC50 (96 h) 7.97mg/L (Brachydanio rerio) flow-through	EC501.8mg/L48h

12.2 Persistence and degradability

No data is available on the product itself

12.3 Bioaccumulative potential

No information available

Chemical Name	Log Pow
SODIUM DODECYL SULFATE 151-21-3	1.6

12.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors

13. DISPOSAL CONSIDERATIONS

Waste from Residues/Unused Products Dispose of in accordance with local regulations

Contaminated Packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

IMDG/IMO Not regulated

ICAO Not regulated

ICAO/IATA Not regulated

DOT Not regulated

TDG Not regulated

MEX Not regulated

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	EINECS / ELINCS	DSL / NDSL	PICCS	ENCS	IECSC	AICS	KECL
SODIUM DODECYL SULFATE	Listed	Listed	Listed	Listed	Listed	Listed	Listed	Listed

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances / EU List of Notified Chemical Substances

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippine Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

16. OTHER INFORMATION

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Material Safety Data Sheet

Key literature references and sources for data

www.ChemADVISOR.com/