

MATERIAL SAFETY DATA SHEET

Sodium Dodecyl Sulphate (SDS) 10% solution

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

1.1. PRODUCT DETAILS

Trade Name: Sodium Dodecyl Sulphate (SDS) 10% solution

Catalog Number: BR0081

1.2. COMPANY DETAILS

Supplier: Canvax Reagents S.L., Luis de Mercado St. 19, Boecillo Technological Park, Valladolid (Spain)

1.3. EMERGENCY TELEPHONE NUMBER

Emergency Telephone Number: 900-868538 (CHEMTREC España)
+(34)-931768545 (CHEMTREC international)

2. HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification (67/548/CEE) or (1999/45/CE): not classified.

Physical Hazards: H228: Flammable solid – H302: Harmful if swallowed.

Health Hazards: H302: Harmful if swallowed – H315: Causes skin irritation – H318: Causes serious eye damage- H335: May cause respiratory irritation

Environmental Hazards: H412: Harmful to aquatic life with long lasting effects..

2.2. LABEL ELEMENTS



H228 Flammable solid.

H302 + H332 Harmful if swallowed or if inhaled.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

2.3. PREVENTIVE ADVICE

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P273 Avoid release to the environment.



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P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P301+P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.

P304+P340+P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.

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

2.4. OTHER HAZARDS

The product contains **SDS**.

This substance is not classified as PBT or vPvB according to current EU criteria.

3. CHEMICAL CHARACTERIZATION

Substance	CAS-no.	EC-no.	Index-no.	Weight %	Classification according to (67/548/CEE) or (199/45/CE)
Dodecyl sodium sulfate	151-21-3	205-788-1	01-2119480434-38	10%	H228, H302, H332, H315, H318, H335, H412

4. FIRST AID MEASURES

4.1. DESCRIPTION OF FIRST AID MEASURES

Inhalation: After inhalation: fresh air.

Ingestion: After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.

Skin contact: In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

Eye contact: After eye contact: rinse out with plenty of water. Immediately call in ophthalmologist. Remove contact lenses.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Inhalation: May cause an asthma-like shortness of breath.

Eye contact: Severe irritation, burning and tearing.

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Non-specific recommendations. In case of doubt, seek medical attention immediately.

5. FIRE FIGHTING MEASURES

5.1. EXTINGUISHING MEDIA

Water Foam Carbon dioxide (CO₂) Dry powder.

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE



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Carbon oxides

Sulfur oxides

Sodium oxides

Combustible.

Vapors are heavier than air and may spread along floors.

Forms explosive mixtures with air on intense heating.

Development of hazardous combustion gases or vapours possible in the event of fire.

5.3. ADVICE FOR FIRE FIGHTERS

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

6.2. ENVIRONMENTAL PRECAUTIONS

Do not let product enter drains. Risk of explosion.

6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4. REFERENCE TO OTHER SECTIONS

For disposal see section 13.

7. HANDLING AND STORAGE

7.1. PRECAUTIONS FOR SAFE HANDLING

Advice on safe handling: Work under hood. Do not inhale substance/mixture.

Advice on protection against fire and explosion: Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.

Hygiene measures: Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

7.2. CONDITIONS FOR SAFE STORAGE INCLUDING ANY INCOMPATIBILITIES

Storage conditions Tightly closed. Keep away from heat and sources of ignition. Hygroscopic.

7.3. SPECIFIC END USE(S)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. CONTROL PARAMETERS

Occupational exposure limits:

Long-term exposure limit (8-hours TWA): 285 mg/m³
Short-term exposure limit (15-minutes): 85 mg/m³
ELV = Environmental Limit Value.

Comments on the ingredients: WEL = Workplace Exposure Limits

8.2. EXPOSURE CONTROLS

Special protective equipment



Eye/face protection: The following protection should be worn: Chemical splash goggles.

Hand protection: It is recommended that gloves be made of the following materials: Nitrile rubber.

Other skin and body protection: Wear rubber apron. Wear rubber footwear.

Respiratory protection: If ventilation is insufficient, suitable respiratory protection should be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. BASIC INFORMATION ON PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Rods.

Color: White.

Odor: odorless.

Solubility(ies): Soluble in water.

9.2. OTHER INFORMATION

Not determined.

10. STABILITY AND REACTIVITY

10.1. REACTIVITY

Forms explosive mixtures with air on intense heating. A range from approx. 15 Kelvin below the flash point is to be rated as critical. The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

10.2. CHEMICAL STABILITY

The product is chemically stable under standard ambient conditions (room temperature).

10.3. POSSIBILITY OF HAZARDOUS REACTIONS



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Violent reactions possible with strong oxidizing agents.

10.4. CONDITIONS TO AVOID

Strong heating.

10.5. INCOMPATIBLE MATERIALS

Not determined.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

In the event of fire: see section 5.

11. TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

Inhalation: May cause respiratory irritation by inhalation.

Ingestion: Gastrointestinal symptoms, including stomach upset.

Skin contact: Irritating to skin.

Eye contact: Risk of irreversible effects on eyes.

12. ECOLOGICAL INFORMATION

Ecotoxicity: The components of the product are not classified as hazardous to the environment. Large or frequent spills may have harmful effects on the environment.

12.1. TOXICITY

Flow-through test LC50 - Pimephales promelas (fathead minnow) - 29 mg/l - 96 h

12.2. PERSISTENCE AND DEGRADABILITY

Aerobic - Exposure time 28 d.

12.3. BIOACCUMULATION POTENTIAL

Cyprinus carpio (Carp) - 72 h.

12.4. MOBILITY IN THE SOIL

No data available.

12.5. PBT AND vPvBm ASSESSMENT RESULTS

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6. OTHER ADVERSE EFFECTS

Not determined.

13. DISPOSAL CONSIDERATIONS

13.1. WASTE TREATMENT METHODS

No information required.



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General information: Waste should be treated as hazardous waste. Dispose of waste to an authorized landfill in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods: Dispose of waste to an authorized landfill in accordance with the requirements of the local Waste Disposal Authority.

14. TRANSPORT INFORMATION

14.1. UN-NUMBER

ADR/RID: 1325 IMDG: 1325 IATA: 1325.

14.2. UN PROPER SHIPPING NAME

ADR/RID: FLAMMABLE SOLID, ORGANIC, N.O.S. (dodecyl sulphate sodium salt)
IMDG: FLAMMABLE SOLID, ORGANIC, N.O.S. (dodecyl sulphate sodium salt)
IATA: Flammable solid, organic, n.o.s. (dodecyl sulphate sodium salt)

14.3. TRANSPORT HAZARD CLASS(ES)

ADR/RID: 4.1 IMDG: 4.1 IATA: 4.1

14.4. PACKAGING GROUP

ADR/RID: III IMDG: III IATA: III

14.5. ENVIRONMENTAL HAZARDS

Hazardous pollutant substance/marine pollutant: No.

14.6. SPECIAL PRECAUTIONS FOR USER

No information required.

14.7. TRANSPORT IN BULK ACCORDING TO ANNEX II MARPOL73/78 AND THE IBC CODE

No information required.

15. REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

National Provisions: The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

EU Legislation: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures (as amended).

Guidance: CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131.

Hazard Classification for water: WGK 2

15.2. CHEMICAL SAFETY ASSESSMENT



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Any chemical safety assessment has been carried out.

16. OTHER INFORMATION

This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. Users should make independent decisions regarding completeness of the information based on all sources available.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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