

# SAFETY DATA SHEET

according to Regulation (EG) no 1907/2006  
 Generic EU MSDS – No country specific data  
 REVISION DATE: 2014-07-02

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name: Sodium Dodecyl Sulphate Reagent (SDS)  
 Article number: 09-2026, 12-9193, 12-9194

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

Identified uses: Laboratory chemical

### 1.3 Details of the supplier of the safety data sheet

Company: Medicago AB  
 Danmark Berga 13  
 755 98 Uppsala  
 Telephone: +46 (0)18 56 11 80  
 Facsimile: +46 (0)18 56 11 88  
 E-mail address: info@medicago.se

### 1.4 Emergency telephone number

Emergency telephone number: Giftinformationscentralen 112

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)

Classified as: Flammable Solid (category 2), H228  
 Acute Toxicity (category 4), H302, H332  
 Skin Irritation (category 2), H315  
 Eye Damage (category 1), H318  
 Specific target organ toxicity – single exposure (category 3), H335  
 Hazardous to aquatic environment (category 3), H412

### 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)



Signal word

Danger

#### Hazard statement(s):

H228 Flammable solid  
 H302 Harmful if swallowed  
 H315 Causes skin irritation  
 H318 Cause serious eye damage  
 H332 Harmful if inhaled  
 H335 May cause respiratory respiration  
 H412 Harmful to aquatic life with long lasting effects

#### Precautionary statement(s):

P264 Wash hands thoroughly after handling  
 P273 Avoid release to the environment  
 P280 Wear protective gloves/protective clothing/eye protection/face protection  
 P301+312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell  
 P302+352 IF ON SKIN: Wash with plenty of water  
 P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes; remove contact lenses if present and easy-to-do; continue rinsing

#### Complementary hazard information:

No further information

### 2.3 Other hazards

No data available

### 3. Composition/information on ingredients

#### 3.1 Substances

Substance	CAS-no.	EC-no.	Index-no.	Weight %	Classification according to constitution (EG) no 1272/2008 (CLP)
Sodium Dodecyl Sulfate	151-21-3	205-788-1	-	≤ 100 %	Flam. Solid 2, H228 Acute Tox 4, H302, H332 Skin Irrit 2, H315 Eye Dam 1, H318 STOT SE 3, H335 Aquatic Chronic 3, H412

### 4. First aid measures

#### 4.1 Description of first aid measures

If swallowed	Rinse mouth and throat; if person is conscious, give 1-2 glasses of water to drink; if person is unconscious, never give anything by mouth; get immediately medical attention
If inhaled	Move to fresh air; if person is not breathing, give artificial respiration; get medical attention
In case of skin contact	Wash off with running water and soap; remove contaminated clothes; get medical attention
In case of eye contact	Wash immediately with plenty of water for at least 15 min; remove contact lenses if present and easy-to-do; continue rinsing; get immediately medical attention
General advice	Get medical attention; show this data sheet to the doctor in attendance

#### 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. Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media: water spray, fog, foam, dry chemical powder, carbon dioxide

#### 5.2 Special hazards arising from the substance or mixture

Sodium oxides, sulfur oxides, carbon oxides

#### 5.3 Advice for fire fighters

Wear self-contained breathing apparatus for firefighting

#### 5.4 Further information

No further information

### 6. Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation; avoid breathing dust; wear lab coat, safety goggles, suitable protective gloves and boots; wash hands before and after use

#### 6.2 Environmental precautions

Do not let product enter sewer system, surface water or ground water

#### 6.3 Methods and material for containment and cleaning up

Sweep/shovel up spilled material and put it into a suitable waste disposal container; keep container tightly closed for disposal; finish cleaning by spreading water over the contaminated area and ventilate the room

#### 6.4 Reference to other sections

For disposal: see section 13

## 7. Handling and storage

### 7.1 Precautions for safe handling

Avoid dust formation; assure adequate ventilation where dust is formed; keep away from heat and open flames; avoid contact with skin and eyes

### 7.2 Conditions for safe storage, including any incompatibilities

Store in original container/packaging; store in a dry and well-ventilated area at room temperature; assure that the temperature does not exceed 30°C

### 7.3 Specific end use(s)

No data available

## 8. Exposure controls/personal protection

### 8.1 Control parameters

No data available

### 8.2 Exposure controls

#### Appropriate engineering controls

Use general hygiene procedures; use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits; if user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit

#### Personal protective equipment

Eye/face protection	Wear safety goggles (EN 166)
Skin protection	Use proper lab gloves; gloves must be inspected prior to use
Body Protection	Wear lab coat or other impervious clothes; type of protection equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace
Respiratory protection	If necessary use dust respirator tested and approved under appropriate government standards such as NIOSH (USA) or CEN (EU)

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	white powder (product: 12-9193, 12-9194) white tablets (product: 09-2026)
Odour	no data available
Odour threshold	no data available
pH	7.2
Melting point/ freezing point	205°C
Initial boiling point and boiling range	no data available
Flash point	180°C
Evaporation rate	no data available
Flammability (Solid, gas)	Flammable solid with category 2
Upper/lower flammability or explosive limits	no data available
Vapour pressure	no data available
Vapour density	no data available
Relative density	0.37 g/cm <sup>3</sup>
Water solubility	130 g/l at 20°C
Partition coefficient: n-octanol/ water	logPow: 1.6
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available

### 9.2 Other information

No further information

## 10. Stability and Reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable under recommended storage conditions

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

Heat, flames and sparkles; direct sun light

### 10.5 Incompatible materials

Oxidizing agents

### 10.6 Hazardous decomposition products

In case of fire: sodium oxides, sulfur oxides, carbon oxides

## 11. Toxicological information

### 11.1 Information on toxicological effects

#### 11.1.1 Substances

##### Acute toxicity

LD50: rat – oral – 1.29 mg/kg

##### Skin corrosion/irritation

Skin: rabbit - irritating

##### Serious eye damage/ eye irritation

Eyes: rabbit – risk of serious eye damages

##### Respiratory or skin sensitization

Prolong and repeated exposure may cause allergic reactions in certain sensitive individuals

##### Germ cell mutagenicity

No data available

##### Carcinogenicity

No data available

##### Reproductive toxicity

No data available

##### Specific target organ toxicity – single exposure

Inhalation – may cause respiration tract irritation

##### Specific target organ toxicity – repeated exposure

No data available

##### Aspiration hazard

No data available

##### Potential health effects

Inhalation	Harmful if inhaled; may cause respiratory tract irritation
Ingestion	Harmful if swallowed
Skin	Causes skin irritation
Eyes	Causes serious eye damage

## 12. Ecological information

### 12.1 Toxicity

Toxicity to fish: mortality NOEC - Oncorhynchus mykiss (rainbow trout) – 19.5 mg/l - 96 h  
 LC50 - Oncorhynchus mykiss (rainbow trout) – 3.6 mg/l - 96 h  
 Toxicity to daphnia and other aquatic invertebrates: LC50 - Daphnia dubia – 5.5 mg/l - 48 h

### 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

### 12.6 Other adverse effects

Harmful to aquatic life

## 13. Disposal considerations

### 13.1 Waste treatment methods

Waste must be disposed of in accordance with federal, state, and local environmental control regulations.  
 Contaminated packaging: dispose of as unused product

## 14. Transport information

### 14.1 UN-number

ADR-RID: 2926                      IMDG: 2926                      IATA: 2926

### 14.2 UN proper shipping name

ADR-RID: FLAMMABLE SOLIDS, TOXIC, ORGANIC, N.O.S., (Sodium lauryl sulfate)  
 IMDG: FLAMMALBE SOLIDS, TOXIC, ORAGNIC, N.O.S., (Sodium lauryl sulfate)  
 IATA: Flammable Solids, toxic, organic, n.o.s., (Sodium lauryl sylfate)

### 14.3 Transport hazard class(es)

ADR-RID: 4.1                      IMDG: 4.1                      IATA: 4.1

### 14.4 Packaging group

ADR-RID: II                      IMDG: II                      IATA: II

### 14.5 Environmental hazards

ADR-RID: no  
 IMDG, water pollutant: no  
 IATA: no

### 14.6 Special precautions for user

No data available

### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available

## 15. Regulatory information

This safety data sheet complies with the requirements 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

## 16. Other information

This information is based on the current state of knowledge.

Precaution and disclaimer: For laboratory use only; not for drug, household, or any other use.

### Text of H-phrases in section 3

Hazard statement(s):

H228	Flammable solid
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Cause serious eye damage
H332	Harmful if inhaled
H335	May cause respiratory respiration
H412	Harmful to aquatic life with long lasting effects

Flam. Solid	Flammable solid
Acute Tox 4	Acute Toxicity (category 4)
Skin Irrit 2	Skin Irritation (category 2)
Eye Dam 1	Eye Damage (category 1)
STOT SE 3	Specific Target Organ Toxicity- single exposure (category 3)
Aquatic Chronic 3	Aquatic Chronic (category 3)