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 Washington, DC 20001  
[www.edvotek.com](http://www.edvotek.com)

## Safety Data Sheet

Version 2  
 Revision Date 09/26/2014

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Sodium Dodecyl Sulfate Solution

Product Number:

Brand: Edvotek

Supplier: Edvotek  
 1121 5<sup>th</sup> Street NW  
 Washington, DC  
 20001

Telephone: 1-800-338-6835  
 or 202-370-1500

Fax: 202-370-1501

Emergency Phone #: 202-370-1500

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

#### OSHA Hazards

Acute toxicity, serious eye damage, flammable solids, harmful if swallowed or if inhaled, causes skin irritation, causes serious eye damage, may cause respiratory irritation.

#### GHS Classification

Flammable solids (2)  
 Acute toxicity, Oral (4)  
 Acute toxicity, Inhalation (4)  
 Skin irritation (2)  
 Serious eye damage (1)

Acute aquatic toxicity (2)  
 Chronic aquatic toxicity (3)

#### Signal Word

Danger

#### Pictogram



**Hazard statement(s)**

**H271** May cause fire or explosion; strong oxidiser.

**H302** Harmful if swallowed.

**H314** Causes severe skin burns and eye damage.

**H333** May be harmful if inhaled.

**H402** Harmful to aquatic life.

**Precautionary statement(s)**

**P220** Keep/Store away from clothing/combustible materials.

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

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

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

**P302 + P352** IF ON SKIN: Wash with plenty of soap and water

**HMIS Classification:**

Health hazard: 2

Flammability: 3

Physical hazard: 3

**NFPA Rating:**

Health hazard: 2

Fire: 3

Reactivity Hazard: 3

**Potential Health Effects:**

**Inhalation** May be harmful if inhaled.

Causes respiratory tract irritation

**Skin** May be harmful if absorbed through skin. Causes skin irritation.

**Eyes** Causes eye irritation.

**Ingestion** Harmful if swallowed.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: Lauryl Sulfate Sodium Salt, SDS, Sodium Lauryl Solution

Molecular Weight: 288.38 g/mol

Chemical name	EC No.	CAS -No	Concentration
Sodium Dodecyl Sulfate	205-788-1	151-21-3	--
Water			

## 4. FIRST AID MEASURES

### General information

No special measures required.

### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult doctor in case of complaints.

### In case of skin contact

Immediately wash off with soap and plenty of water. Get medical attention if symptoms develop.

### In case of eye contact

Flush eyes with water as a precaution. Get medical attention immediately if irritation persists.

### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if symptoms develop.

## 5. FIREFIGHTING MEASURES

### Conditions of flammability

Not flammable or combustible.

### Suitable extinguishing media

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

### Special protective equipment for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

### Hazardous combustion products

No products known

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions**

Prevent skin/eye contact. Use personal protective equipment as needed.

### **Environmental precautions**

Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

### **Methods and materials for containment and cleaning up**

Clean up spills immediately. Use absorbent materials if needed and dispose into a chemical waste container.

## 7. HANDLING AND STORAGE

### **Precautions for safe handling**

No special measures necessary. Good laboratory technique should be used when handling.

### **Conditions for safe storage**

No special measures necessary. Store at room temperature.

### **Incompatible Products**

No known products

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

### **Personal protective equipment**

#### **Respiratory protection**

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection**

Wear protective gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

**Eye protection**

Avoid eye contact with this material. Wear chemical safety goggles.

**Skin and body protection**

Use chemical gloves as needed. Use clean protective body covering clothing as needed to minimize contact with clothing and skin.

**Hygiene measures**

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance**

Form liquid  
Color colorless  
Odor no data available

**Safety data**

pH	no data available
Melting point/freezing point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Autoignition Temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	no data available
Density (water=1)	no data available
Water solubility	no data available
Partition coefficient:	
n-octanol/water	no data available
Relative vapour Density	no data available

Odour Threshold no data available  
Evaporation rate no data available

## 10. STABILITY AND REACTIVITY

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

No further relevant data available.

### Conditions to avoid

No further relevant data available.

### Materials to avoid

No further relevant data available.

### Hazardous decomposition products

No dangerous decomposition products

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity LD/LC50 values

no data available

### Serious eye damage/eye irritation

no data available

### Respiratory or skin sensitization

no data available

### Germ cell mutagenicity

no data available

### Skin corrosion/irritation

no data available

### Carcinogenicity

No components of this product are listed by IARC, ACGIH, NTP and OSHA.

### Reproductive toxicity

no data available

**Teratogenicity**

no data available

**Aspiration hazard**

no data available

**Synergistic effects**

no data available

**12. ECOLOGICAL INFORMATION**

**Toxicity**

no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**PBT and vPvB assessment**

no data available

**13. DISPOSAL CONSIDERATIONS**

**Other adverse effects**

no data available

**Product**

Dispose of unused product, residues, and containers according to local, regional, state, and national regulations.

**Contaminated packaging**

Dispose of as unused product.

## 14. TRANSPORT INFORMATION

### **DOT (US)**

Not dangerous goods

### **IMDG**

Not dangerous goods

### **IATA**

Not dangerous goods

## 15. REGULATORY INFORMATION

### **OSHA Hazards**

Acute toxicity, serious eye damage, flammable solids, harmful if swallowed or if inhaled, causes skin irritation, causes serious eye damage, may cause respiratory irritation.

### **SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### **SARA 313 Components**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the reporting levels established by SARA Title III, Section 313.

### **SARA 311/312 Hazards**

No SARA Hazards.



## **16. OTHER INFORMATION**

For educational use only. Not intended for human or animal diagnostic or therapeutic uses.

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.