



Safety Data Sheet  
According to Regulation (EC) 1907/2006  
and (EU) 453/2010

## 2363 Sodium Dodecyl Sulphate

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

#### 1.1 Product identifier

Name:

Sodium Dodecyl Sulphate

#### Synonym:

Dodecyl Sulphate Sodium Salt, Laurylsulphate Sodium Salt, SDS, Sodium Laurylsulphate

CAS: [151-21-3]

REACH Registration Number: 01-2119489461-32-XXXX

#### 1.2 Relevant identified uses of the substance or mixture:

For laboratory utilisation, analysis, research and fine chemistry.

#### 1.3 Identification of the company or firm:

PANREAC QUIMICA S.L.U.

C/Garraf 2

Polígono Pla de la Bruguera

E-08211 Castellar del Vallès

(Barcelona) Spain

Tel. (+34) 937 489 400

e-mail: [product.safety@panreac.com](mailto:product.safety@panreac.com)

#### 1.4 Emergency telephone:

Single telephone number for emergency calls: 112 (EU)

Tel.: (+34) 937 489 499

### 2. Identification of dangers

#### 2.1 Classification of the substance or the mixture.

## Classification Regulation (CE) nº 1272/2008.

Acute Toxicity Oral cat. 4  
Acute Toxicity Inhalation cat. 4  
Skin Irrit. 2  
STOT SE 3  
Aquatic Chronic 3  
Flam. Sol. 2  
Eye Irrit. 2

## Classification (67/548/CEE or 1999/45/CE).

**Xn** Harmful  
**F** Highly flammable

R20/22  
R11  
R37/38  
R41

## 2.2 Label elements:

### Hazard Pictograms



### Signal word

Danger

### Hazard statements

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

### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting/equipment.  
P261 Avoid breathing dust, fume, gas, mist, vapours or spray.  
P264 Wash...thoroughly after handling.  
P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

For the full text of the R-phrases mentioned in this section, see section 16.

### **2.3 Other hazards:**

No further relevant information available.

## **3. Composition/information on ingredients**

Name: Sodium Dodecyl Sulphate

Formula: C<sub>12</sub>H<sub>25</sub>NaO<sub>4</sub>S M.= 288,38 CAS [151-21-3]

EC number (EINECS): 205-788-1

REACH Registration Number: 01-2119489461-32-XXXX

## **4. First aid measures**

### **4.1 General indications:**

Never provide drink or induce vomiting in the event of loss of consciousness.

### **4.2 Inhaling:**

Take the person out into the fresh air.

### **4.3 Contact with the skin:**

Wash with plenty of water. Remove contaminated clothing.

### **4.4 Eyes:**

Wash with plenty of water, keeping eyelids open. Seek medical assistance.

### **4.5 Swallowing:**

Drink large amounts of water. Induce vomiting. Call for medical help.

## **5. Firefighting measures**

### **5.1 Suitable extinguishing media:**

Water. Alcohol resistant foam. Dry powder. Carbon dioxide (CO<sub>2</sub>).

### **5.2 Unsuitable extinguishing media:**

No specific data.

### **5.3 Special hazards arising from the substance or mixture:**

Flammable. Keep away from sources of ignition. In the event of fire, toxic fumes may form.

### **5.4 Advice for firefighters:**

Suitable clothing and footwear.

## **6. Accidental release measures**

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

Avoid contact with the skin, eyes or clothing.

### **6.2 Environmental precautions:**

Do not allow it to enter the drainage system. Avoid pollution of the soil, water supplies and drains.

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

Collect up dry and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water.

## **7. Handling and storage**

### **7.1 Precautions for safe handling:**

No special indications.

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

Well sealed containers. Dry atmosphere.

## **8. Exposure controls/personal protection**

### **8.1 Exposure controls:**

No special indications.

### **8.2 Control parameters:**

Data not available.

### **8.3 Respiratory protection:**

If dust forms, use suitable respiratory protection for particles P3.

### **8.4 Hand protection:**

Use suitable gloves PVC neopren

### **8.5 Eye/face protection:**

Use suitable goggles.

### **8.6 Individual hygiene measures:**

Remove contaminated clothing. Use suitable work clothing. Wash hands before breaks and when the job is done.

### **8.7 Environmental exposure controls:**

Fulfill the commitments under local environmental protection legislation.

## **9. Physical and chemical properties**

Appearance: solid

Colour: White

Granulometry: N/A

Odour: Characteristic.

pH: 7,5 - 9,0

Melting point/freezing point: 204 - 207 °C

Initial boiling point and boiling range:

N/A

Flash point:

N/A

Flammability (solid, gas):

N/A

Upper/lower flammability or explosive limits:

N/A

Vapour pressure: N/A

Vapour density: N/A

Relative density:

Insertar Aquí Grupo de repetición

N/A

Solubility: 100 g/l in water ( 20 °C )

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature:

N/A

Decomposition temperature: N/A

Kinematic viscosity: N/A

Dynamic viscosity:

N/A

## **10. Stability and reactivity**

### **10.1 Conditions to avoid:**

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

### **10.2 Incompatible materials:**

No specific data.

### **10.3 Hazardous decomposition products:**

No specific data.

### **10.4 Chemical stability:**

No specific data.

## **11. Toxicological information**

### **11.1 Acute toxicity:**

LD50 oral rat : 1.288 mg/kg

### **11.2 Dangerous effects for health:**

If inhaled: irritations slight Upon contact with the skin: irritations Through contact with the eyes: irritations If swallowed: Quickly absorbed. If it is absorbed in large quantities: tiredness alterations of the circulation Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

## **12. Environmental information**

### **12.1 Toxicity:**

#### **- EC50 test (mg/l):**

Fish (Leuciscus Idus) EC0 26 mg/l

Classification: Extr. toxic

#### **- Receptor medium:**

Risk for the water environment

Medium

Risk for the land environment

Low

#### **- Observations:**

## **12.2 Persistence and Degradability :**

- **Test:**

- **Biotic degradation classification:**

BOD5/COD

Biodegradability

- **Abiotic degradation depending on pH:**

- **Observations:**

Biodegradable product.

## **12.3 Bioaccumulative potential:**

- **Test:**

- **Bioaccumulation:**

Risk

- **Observations:**

Non-bioaccumulable product.

## **12.4 Mobility in soil :**

Data not available.

## **12.5 Assessment PBT and MPMB :**

Data not available.

## **12.6 Other adverse effects:**

Do not allow it to enter soils or water channels.

Water-pollutant product.

## **13. Disposal considerations**

### **13.1 Waste treatment methods:**

In the European Union, there are no homogeneous standards established for elimination of chemical waste, which is waste of a special nature, and treatment and elimination of same is subject to the domestic legislation in each country.

In view of this, in each case, you should contact the competent authority or those companies legally authorized for elimination of waste.

2001/573/EC: Council Decision of 23 July 2001 amending Commission Decision 2000/532/EC as regards the list of wastes. Council Directive 91/156/EEC of 18 March 1991 amending Directive 75/442/EEC on waste.

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### **13.2 Contaminated containers:**

Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them. European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

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## **14. Transport information**

Overland (ADR):

Technical name: FLAMMABLE SOLID, ORGANIC, N.O.S.

UN 1325 Class: 4.1 Packaging group: II (E)

By sea (IMDG):

Technical name: FLAMMABLE SOLID, ORGANIC, N.O.S.

UN 1325 Class: 4.1 Packaging group: II

By air (ICAI-IATA):

Technical name: Flammable solid, organic, n.o.s.

UN 1325 Class: 4.1

Packaging instructions: CAO 448 PAX 445

## 15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

## 16. Other information

### Other precautionary statements

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves, protective clothing, eye protection or face protection.

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.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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

P310 Immediately call a POISON CENTER or doctor/physician.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P321 Specific treatment (see on this label).

P330 Rinse mouth.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

P370+P378 In case of fire: Use for extinction.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

### Labelling (65/548/CEE or 1999/45/CE)

R-phrases(s): **R20/22** Harmful by inhalation and if swallowed.  
**R11** Highly flammable.  
**R37/38** Irritating to respiratory system and skin.  
**R41** Risk of serious damage to eyes.

S-phrases(s): **S36/37/39** Wear suitable protective clothing, gloves and eye/face protection.  
**S16** Keep away from sources of ignition - No smoking.  
**S24/25** Avoid contact with skin and eyes.  
**S22** Do not breathe dust.  
**S26** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Version and revision date : 7 04.06.2015

Date published: 28.05.2013

In respect of the previous review, changes have been made to the following sections: 2, 14, 16

The information included in this Safety Data Sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.