



## Material Safety Data Sheet

Name:	Dodecylbenzenesulfonic acid sodium salt tech. Material Safety Data Sheet
Synonym:	Sodium dodecylbenzenesulfonate
CAS:	25155-30-0

### Section 1 - Chemical Product

MSDS Name: Dodecylbenzenesulfonic acid sodium salt tech.

Synonym: Sodium dodecylbenzenesulfonate.

### Section 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	content	EINECS#
25155-30-0	Dodecylbenzenesulfonic acid, sodium sa	90%	246-680-4

Hazard Symbols: XN

Risk Phrases: 22 37/38 41

### Section 3 - HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Harmful if swallowed. Irritating to respiratory system and skin.

Risk of serious damage to eyes.

Potential Health Effects

Eye:

May cause eye burns. Contact may cause severe eye irritation and possible eye damage. May cause chemical conjunctivitis.

Skin:

Causes skin irritation.

Ingestion:

Harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Inhalation:

Causes respiratory tract irritation. The toxicological properties of this substance have not been fully investigated. Can produce delayed pulmonary edema.

Chronic:

Effects may be delayed.

### Section 4 - FIRST AID MEASURES

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:

Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion:

Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Wash mouth out with water.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation.

Notes to Physician:

Treat symptomatically and supportively.

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## 🔥 Section 5 - FIRE FIGHTING MEASURES

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Runoff from fire control or dilution water may cause pollution.

Extinguishing Media:

In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam. Use water spray to cool fire-exposed containers.

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## 🔥 Section 6 - ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions.

Provide ventilation. Water spill: Neutralize with agricultural lime (calcium oxide), crushed limestone (calcium carbonate), or sodium bicarbonate. If dissolved, apply activated carbon at ten times the spilled amount in region of 10 ppm or greater concn. (HSDB)

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## 🔥 Section 7 - HANDLING and STORAGE

Handling:

Avoid breathing dust, vapor, mist, or gas. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation. Wash clothing before reuse.

Storage:

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Do not store in carbon, steel or aluminum.

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## 🔥 Section 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a

safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits CAS# 25155-30-0: Personal Protective Equipment Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

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## ➡ Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Crystalline powder

Color: white to yellow

Odor: Not available.

pH: 6.5-9.5 (1%aq. soln)

Vapor Pressure: Not available.

Viscosity: Not available.

Boiling Point: Not available.

Freezing/Melting Point: Not available.

Autoignition Temperature: Not available.

Flash Point: 300 deg F ( 148.89 deg C)

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

Decomposition Temperature:

Solubility in water: soluble in water: 250 g/l

Specific Gravity/Density:

Molecular Formula:

Molecular Weight: 348.48

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## ➡ Section 10 – STABILITY AND REACTIVITY

Chemical Stability:

Stable at room temperature in closed containers under normal storage and handling conditions.

Decomposes when heated.

Conditions to Avoid:

Incompatible materials, dust generation, excess heat.

Incompatibilities with Other Materials:

Oxidizing agents, acids.

Hazardous Decomposition Products:

Carbon monoxide, oxides of sulfur, carbon dioxide.

Hazardous Polymerization: Has not been reported

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## ➤ Section 11 – TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 25155-30-0: DB6825000 LD50/LC50:

CAS# 25155-30-0: Draize test, rabbit, eye: 250 ug/24H Severe; Draize test, rabbit, eye: 1% Severe;

Draize test, rabbit, skin: 20 mg/24H Moderate; Oral, mouse: LD50 = 1330 mg/kg; Oral, rat: LD50 = 438 mg/kg.

Carcinogenicity:

Dodecylbenzenesulfonic acid, sodium salt – Not listed by ACGIH, IARC, or NTP.

Other:

See actual entry in RTECS for complete information.

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## ➤ Section 12 – ECOLOGICAL INFORMATION

Other No information available.

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## ➤ Section 13 – DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

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## ➤ Section 14 – TRANSPORT INFORMATION

IATA

Not regulated as a hazardous material.

IMO

Not regulated as a hazardous material.

RID/ADR

Not regulated as a hazardous material.

USA RQ: CAS# 25155-30-0: 1000 lb final RQ; 454 kg final RQ

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## ➤ Section 15 – REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 22 Harmful if swallowed.

R 37/38 Irritating to respiratory system and skin.

R 41 Risk of serious damage to eyes.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 29 Do not empty into drains.

S 36/37/39 Wear suitable protective clothing, gloves  
and eye/face protection.

WGK (Water Danger/Protection)

CAS# 25155-30-0: 2

Canada

CAS# 25155-30-0 is listed on Canada's DSL List.

CAS# 25155-30-0 is listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 25155-30-0 is listed on the TSCA inventory.