

## 1. Product and Company Identification

www.rxmarine.com

Product Name SODIUM LAURYL SULPHATE POWDER LR

Part Number RXSOL-60-6605-531

### Company Details:

RX MARINE INTERNATIONAL  
105, A wing , BSEL , TECH PARK.  
VASHI ,NEW BOMBAY 400703 INDIA

Branch : Kandla, Mumbai , Chennai, Vizag, Kolkata, UAE , OMAN , CANADA and KENYA

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Website [www.rxmarine.com](http://www.rxmarine.com)

## 2. Composition / Information on ingredients

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Chemical Name	CAS	EC number	Weight
SODIUM LAURYL SULPHATE POWDER LR	151-21-3	205-788-1	100 %

## 3. Hazards Identification

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Signal Word	Danger
Hazard Statements	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.
P280 Wear protective gloves.P305 + P351 + P338	Wear protective gloves/ eye protection/ face protection.IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Precautionary statement(s)	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 Avoid breathing dust. P273 Avoid release to the environment. 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.
Supplemental Hazard Statements	None
Other hazards	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. Possible sensitizer

## 4. First Aid Measures

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General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin Contact	Wash off with soap and plenty of water. Consult a physician.
If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician
Most important symptoms and effects, both acute and delaye	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
Indication of any immediate medical attention and special treatment needed	No data available

## 5. Fire-fighting Measures

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Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture	No data available
Further information	Use water spray to cool unopened containers
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.

## 6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.
Personal Protection	Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.
Enviromental Precaution	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided
Methods and materials for containment and cleaning up	Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal. Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13).
Reference to other sections	For disposal see section 13.

## 7. Handling and Storage

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Precautions for safe handling	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.
	For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities	.Store in cool place. Keep container tightly closed in a dry and well-ventilated place. hygroscopic Storage class (TRGS 510): Flammable solid hazardous materials
Specific end use(s)	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## 8. Exposure controls and personal protection

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Control parameters	Components with workplace control parameters
Exposure controls	Appropriate engineering controls Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Eye/face protection	Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Body Protection	Complete suit protecting against chemicals, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace
Skin protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Respiratory protection	Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as  NIOSH (US) or CEN (EU).Where risk assessment shows air-purifying respirators are appropriate use a full-face particle  respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering  controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use  respirators and components tested and approved under appropriate government standards such as  NIOSH (US) or CEN (EU).  Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Control of environmental exposure	



Gloves Suit

## 9. Physical and chemical properties

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Physical state	Form: Solid
Colour	White
Odour	odourless
Odor Threshold	Not Applicable
pH	9,1 at 10 g/l
Melting Point	Melting point/range: 204 - 207 °C - lit
Boiling Point	No data available
Flash Point	170 °C
Evaporation Rate	Not Applicable
Flammability (solid, gas)	The substance or mixture is a flammable solid with the category 2.
Upper/lower flammability or explosive limits	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Vapour pressure	0,0018 hPa at 20 °C
Density	No data available
Vapour Density	No Data Available
Relative density	0,370 g/cm3
Partition coefficient	log Pow: 0,83 at 22 °C
Explosive properties	None
Water solubility	soluble
Auto-ignition temperature	310,5 °C.
Particle characteristics	No data available
Other safety information	Solubility in other Ethanol - partly soluble solvents Surface tension 25,2 mN/m at 23 °C Dissociation constant 1,31 at 20 °C

## 10. Stability and reactivity

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Reactivity	No data available
Chemical stability	No data available
Possibility of hazardous reactions	No data available
Conditions to avoid	Heat, flames and sparks.
Incompatible materials	Oxidizing agents
Hazardous decomposition products	Other decomposition products - No data available
	In the event of fire: see section 5

## 11. Toxicological information

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Acute toxicity	LD50 Oral - Rat - male and female - 1.200 mg/kg LC50 Inhalation - Rat - 1 h - > 3.900 mg/m3
Skin corrosion/irritation	Skin - Rabbit Result: Skin irritation - 24 h (OECD Test Guideline 404)
Serious eye damage/eye irritation	Eyes - Rabbit Result: Risk of serious damage to eyes. (OECD Test Guideline 405)
Respiratory or skin sensitization	Information given is based on data obtained from similar substances.
Germ cell mutagenicity	No data available Ames test S. typhimurium Result: negative
Ames test	
S. typhimurium	
Result: negative	
Carcinogenicity	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available
Additional Information	<p>RTECS: WT1050000 sneezing, The sodium salt of dodecyl sulfate has been reported to cause pulmonary sensitization resulting in hyperactive airway dysfunction and pulmonary allergy accompanied by fatigue, malaise, and aching.</p> <p>Significant symptoms of exposure can persist for more than two years and can be activated by a variety of nonspecific environmental stimuli such as automobile exhaust, perfumes, and passive smoking. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.</p>

## 12. Ecological information

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Persistence and degradability	Biodegradability aerobic - Exposure time 28 d Result: 95 % - Readily biodegradable (OECD Test Guideline 301B) Ratio BOD/ThBOD 95,9 %
Toxicity	Toxicity to fish flow-through test LC50 - Pimephales promelas (fathead minnow) - 29 mg/l - 96h (OECD Test Guideline 203) Toxicity to daphnia and other aquatic invertebrates flow-through test EC50 - Daphnia dubia (water flea) - 5,55 mg/l - 48 h Toxicity to algae Growth inhibition LOEC - Pseudokirchneriella subcapitata - 2,68 mg/l - 6 d static test EC50 - Desmodesmus subspicatus (Scenedesmus subspicatus) - > 120 mg/l - 72 h
Bioaccumulative potential	Bioaccumulation Cyprinus carpio (Carp) - 72 h Bioconcentration factor (BCF): 3,9 - 5,3
Toxicity to fish	flow-through test LC50 - Pimephales promelas (fathead minnow) - 29 mg/l - 96
Toxicity to daphnia and other aquatic invertebrates	h (OECD Test Guideline 203)
Toxicity to algae	flow-through test EC50 - Daphnia dubia (water flea) - 5,55 mg/l - 48 h Growth inhibition LOEC - Pseudokirchneriella subcapitata - 2,68 mg/l - 6 d static test EC50 - Desmodesmus subspicatus (Scenedesmus subspicatus) - > 120 mg/l - 72 h
Mobility in soil	No Information available
Results of PBT and vPvB assessment	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.
Other adverse effects	Toxic to aquatic life.

## 13. Disposal considerations

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Contaminated packaging	Dispose of as unused product
Waste treatment Method	Product Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.

## 14. Transport information

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UN number	ADR/RID: 1325
	IMDG: 1325

UN proper shipping name	IATA: 1325 ADR/RID: FLAMMABLE SOLID, ORGANIC, N.O.S. (Sodium dodecyl sulphate)
	IMDG: FLAMMABLE SOLID, ORGANIC, N.O.S. (Sodium dodecyl sulphate)
Transport hazard class(es)	IATA: Flammable solid, organic, n.o.s. (Sodium dodecyl sulphate) Special Provisions: ☐Keep away from heat☐ label required. ADR/RID: 4.1 IMDG: 4.1
Packaging group	IATA: 4.1 ADR/RID: III IMDG: III
Environmental hazards	IATA: III ADR/RID: no IMDG Marine pollutant: no
Special precautions for user	IATA: no No data available

15. Regulatory information

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Safety, health and environmental regulations/legislation specific for the substance or mixture	No data available
Regulatory information	This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
Chemical Safety Assessment	For this product a chemical safety assessment was not carried out

16. Other information

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Other Information	<p>The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages.</p> <p>DISCLAIMER OF LIABILITY :The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense</p>
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arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

PALLADIUM ACETATE RXSOL-60-6605-160

PALLADIUM HYDROXIDE 20% ON CHARCOAL RXSOL-60-6605-163

PALLADIUM NITRATE 44% PD content RXSOL-60-6605-164

PALLADIUM SPONGE 99.9% POWDER RXSOL-60-6605-165

PALLADIUM CALCIUM CARBONATE 10% pd RXSOL-60-6605-166

PARAFFIN WAX 58 60C BLOCK BRICKS RXSOL-60-6605-180

P DIMETHYL AMINO BENZALDEHYDE AR RXSOL-60-6605-192

P DIMETHYL AMINO CINNAMALDEHYDE AR RXSOL-60-6605-193

PEPTONE BACTERIOLOGICAL GRANULAR RXSOL-60-6605-197

PETROLEUM ETHER 100-2000 C FOR SYNTHESIS RXSOL-60-6605-205

PHENOL RED INDICATOR SOLUTION RXSOL-60-6605-215

PHENOLDISULPHONIC ACID SOLUTION 25% RXSOL-60-6605-216

PHENOLPHTHALEIN INDICATOR RXSOL-60-6605-218

PHENYL CHLOROFORMATE FOR SYNTHESIS RXSOL-60-6605-219

PHENYL HYDRAZINE AR RXSOL-60-6605-220

PHENYL HYDRAZINE FOR SYNTHESIS RXSOL-60-6605-221

PHENYL HYDRAZINE HYDROCHLORIDE AR RXSOL-60-6605-223

PHENYL MERCURY ACETATE FOR SYNTHESIS RXSOL-60-6605-224

PHENYL PHOSPHATE DISODIUM SALT AR RXSOL-60-6605-226

PHENYL TRIMETHYL AMMONIUM CHLORIDE RXSOL-60-6605-227

PHLOXIN B FOR MICROSCOPY RXSOL-60-6605-229

PHTHALAMIDE FOR SYNTHESIS RXSOL-60-6605-237

PHTHALIC ACID AR RXSOL-60-6605-238

PHTHALIC ACID FOR SYNTHESIS RXSOL-60-6605-239

PHTHALIC ANHYDRIDE FOR SYNTHESIS RXSOL-60-6605-249

PHTHALIDE FOR SYNTHESIS RXSOL-60-6605-250

PHTHALIMIDE FOR SYNTHESIS RXSOL-60-6605-251

PICRIC ACID SOLUTION AR 1.2% RXSOL-60-6605-256

PIPERAZINE Anhydrous 98% RXSOL-60-6605-257

PIPERAZINE Anhydrous 98% RXSOL-60-6605-257

PIPES BUFFER piperazine NN-Bis-2-Ethene Sulfonic acid RXSOL-60-6605-260

PLATINIUM OXIDE Pt 80% RXSOL-60-6605-261

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POLYETHYLENE GLYCOL 600 RXSOL-60-6605-269

POLYVINYL PYRROLIDONE PVP RXSOL-60-6605-241

PONCEAU S FOR ELECTROPHORESIS RXSOL-60-6605-242

POPOP Scintillation Grade 1 4-bis(5-phenyloxaza-2-yl) benzene RXSOL-60-6605-243

POPSO BUFFER FOR BIOCHEMISTRY RXSOL-60-6605-244

POTASSIUM ACETATE AR RXSOL-60-6605-245

POTASSIUM ACETATE LR RXSOL-60-6605-246

SODAMIDE RXSOL-60-6605-451

SODIUM ACETATE TRIHYDRATE AR RXSOL-60-6605-462

SODIUM ARSENITE SOLUTION AR 0.1N N10 RXSOL-60-6605-468

SODIUM BENZOATE AR RXSOL-60-6605-472

SODIUM BISELENITE Sodium Hydrogen Selenite RXSOL-60-6605-473

SODIUM BROMATE LR RXSOL-60-6605-481

SODIUM BROMIDE AR RXSOL-60-6605-482

SODIUM BROMIDE LR RXSOL-60-6605-483

SODIUM CHLORIDE SOLUTION 0.85% wv RXSOL-60-6605-488

SODIUM CHROMATE TETRAHYDRATE LR RXSOL-60-6605-490

SODIUM DI CHLOROISOCYANURATE RXSOL-60-6605-495

SODIUM HYDROXIDE SOLUTION IN 1M N1 RXSOL-60-6605-519

SODIUM LAURYL SULPHATE AR 99% RXSOL-60-6605-529

SODIUM LAURYL SULPHATE POWDER LR RXSOL-60-6605-531

SODIUM META BORATE TETRAHYDRATE LR RXSOL-60-6605-534

SODIUM METHOXIDE AR RXSOL-60-6605-535

SODIUM METHOXIDE POWDER LR RXSOL-60-6605-536

SODIUM MOLYBDATE AR DIHYDRATE RXSOL-60-6605-537

SODIUM NITRITE AR RXSOL-60-6605-541

SODIUM NITRITE LR RXSOL-60-6605-542

SODIUM NITRO PRUSIDE AR RXSOL-60-6605-543

SODIUM NITRO PRUSIDE LR RXSOL-60-6605-544

SODIUM OXALATE AR RXSOL-60-6605-545

SODIUM PERBORATE TRIHYDRATE PURE RXSOL-60-6605-548

SODIUM PER CARBONATE GRANULAR RXSOL-60-6605-549

SODIUM PER CARBONATE TABLET RXSOL-60-6605-550

SODIUM PERSULPHATE AR RXSOL-60-6605-553

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SODIUM PERSULPHATE LR RXSOL-60-6605-554

SODIUM PHOSPHATE DI BASIC DIHYDRATE RXSOL-60-6605-559

SODIUM PYRUVATE RXSOL-60-6605-562

SODIUM SALICYLATE AR RXSOL-60-6605-563

SODIUM SELENITE AR ANHYDROUS RXSOL-60-6605-566

SODIUM SELENITE LR ANHYDROUS RXSOL-60-6605-567

SODIUM SELENITE PENTAHYDRATE LR RXSOL-60-6605-568

SODIUM SILICATE POWDER META HYDRATED RXSOL-60-6605-569

SODIUM SILICATE SOLUTION RXSOL-60-6605-570

SODIUM SILICO FLUORIDE 99% RXSOL-60-6605-571

SODIUM STANNATE LR RXSOL-60-6605-572

SODIUM SULPHATE ANHYDROUS AR RXSOL-60-6605-573

SODIUM SULPHIDE FLAKES AR RXSOL-60-6605-576

SODIUM SULPHITE ANHYDROUS AR RXSOL-60-6605-577

SODIUM SULPHITE ANHYDROUS LR RXSOL-60-6605-578

SODIUM TELLURITE 96% RXSOL-60-6605-579

SODIUM Tert BUTOXIDE 98% RXSOL-60-6605-580

SODIUM THIOCYANATE AR RXSOL-60-6605-581

SODIUM THIOSULPHATE AR PENTAHYDRATE RXSOL-60-6605-583

SODIUM TRI POLYPHOSPHATE ANHYDROUS STPP RXSOL-60-6605-585

SODIUM TUNGSTATE DIHYDRATE RXSOL-60-6605-586

SODIUM TUNGSTATE DIHYDRATE AR RXSOL-60-6605-587

SODIUM B GLYCERO PHOSPHATE AR RXSOL-60-6605-588

SOYA LECITHIN 30% RXSOL-60-6605-592

SOYA PEPTONE SOYATONE RXSOL-60-6605-593

SPADNS AR RXSOL-60-6605-595

SPAN 20 Sorbitan Monolaurate RXSOL-60-6605-596

SPAN 60 Sorbitane Monostearate RXSOL-60-6605-598

SPAN 80 SORBITANE MONOOLEATE RXSOL-60-6605-599

STANNIC OXIDE AR RXSOL-60-6605-601

STANNIC OXIDE LR RXSOL-60-6605-602

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