

1. Product and Company Identification

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Product Name SODIUM PERSULPHATE
Part Number RXSOL-19-6605-555

Company Details:

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

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2. Composition / Information on ingredients

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Chemical Name	CAS	EC number	Weight
SODIUM PERSULPHATE AR	7775-27-1	231-892-1	100%

3. Hazards Identification

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Signal Word	Danger
Hazard Statements	H272 May intensify fire; oxidizer. H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation.
Precautionary statement(s)	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P220 Keep away from clothing and other combustible materials. P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection. P301 + P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. P302 + P352 IF ON SKIN: Wash with plenty of water.
Response	None
Disposal	P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Prevention	P273 Avoid release to the environment.
Supplemental Hazard Statements	None
Classification of the substance or mixture	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
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.

4. First Aid Measures

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General advice	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
If inhaled	Allow victim to breathe fresh air. Allow the victim to rest
Eye Contact	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists
swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water.
Skin Contact	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
Inhalation:	Allow victim to breathe fresh air. Allow the victim to rest.
Ingestion:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
Notes to Physician	Treat symptomatically
If swallowed	After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.
Most important symptoms and effects, both acute and delaye	Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.
Indication of any immediate medical attention and special treatment needed	No data available

5. Fire-fighting Measures

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Flammability	NA
Flash Point	NA.
Suitable extinguishing media	Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	Do not use a heavy water stream
Specific hazards arising from the chemical	No additional information available
Further information	NA
Firefighting instructions	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	Do not enter fire area without proper protective equipment, including respiratory protection
Protective Equipment	NA
Specific Hazards Arising from the Chemical	NA

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures	For non-emergency personnel Protective equipment : Safety glasses. Emergency procedures : Evacuate unnecessary personnel
Spillage	NA
Personal Protection	Protective equipment : Safety glasses. Emergency procedures : Evacuate unnecessary personnel.
Environmental Precaution	Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and materials for containment and cleaning	Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
For non-emergency personnel	Protective equipment : Safety glasses.
	Emergency procedures : Evacuate unnecessary personnel.
For emergency responders	Protective equipment : Equip cleanup crew with proper protection.
	Emergency procedures : Ventilate area.
Reference to other sections	See Heading 8. Exposure controls and personal protection

7. Handling and Storage

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Advice on safe handling	NA
Advice on protection against fire and explosion	NA
Hygiene measures	Wash contaminated clothing before reuse.
Precautions for safe handling	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor
Conditions for safe storage, including any incompatibilities	Storage conditions : Keep container closed when not in use. Incompatible products : Strong oxidizers. Strong acids. silver nitrate. metals. Incompatible materials : Sources of ignition. Direct sunlight.
Storage conditions	Keep container closed when not in use.
Storage class	NA
Specific end use(s)	NA
Handling	NA
Advice on general occupational hygiene	NA
Incompatible products	Strong oxidizers. Strong acids. silver nitrate. metals.
Incompatible materials	Sources of ignition. Direct sunlight

8. Exposure controls and personal protection

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Occupational Exposure limit values	No data available
Biological limit values	No data available
Exposure controls	NA
Engineering Control	Appropriate engineering controls : Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.
Eye/face protection	Chemical goggles or safety glasses
Body Protection	protective clothing
Skin protection	Wear fire/flare resistant and impervious clothing. Handle with gloves. Gloves must be inspected prior to use. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
Respiratory protection	Respiratory protection not required in normal conditions
Other Protection Measure	NA
Control of environmental exposure	NA
Thermal hazards	No data available
Other information	Do not eat, drink or smoke during use.





Gloves Suit

9. Physical and chemical properties

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Physical state	Liquid
Colour	Colorless
Odour	Odorless
Odor Threshold	Not Applicable
pH	Not Applicable
Melting Point	Not Applicable
Boiling Point	No data available
Flash Point	No data available
Evaporation Rate	Not Applicable
Flammability (solid, gas)	Non flammable
Explosive limits	No Data Available
Upper/lower flammability or explosive limits	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Vapour pressure	No Data Available
Density	1
Vapour Density	No Data Available
Specific Gravity	No data available
Partition coefficient	No data available
Explosive properties	None
Solubility	Miscible with water.
Ignition temperature	No information available.
Particle characteristics	No data available

10. Stability and reactivity

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Reactivity	No additional information available
Stability	Stable under normal conditions
Possibility of hazardous reactions	None.
Conditions to avoid	Direct sunlight. Extremely high or low temperatures
Incompatible materials	Strong acids. Strong oxidizers. metals. silver nitrate.
Hazardous Polymerization	No data available
Hazardous decomposition products	Hydrogen chloride.

11. Toxicological information

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Acute toxicity	Oral: No data available
	Inhalation: No data available
	Dermal: No data available
Skin corrosion/irritation	no data available
Serious eye damage/eye irritation	No data available

Respiratory or skin sensitization	No data available
Serious eye damage/eye irritation	No data available
Rout Of Entry	Inhalation. Ingestion.
Toxicity to Animal	NA
Toxic Effects on Human	NA
Germ cell mutagenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Special Remarks on other Toxi Effects on Humans:	NA
Additional Information	Dehydration and congestion may occur in internal organs. Hypertonic salt solutions can produce inflammatory reactions in the gastrointestinal tract. Dehydration and congestion may occur in internal organs. Hypertonic salt solutions can produce inflammatory reactions in the gastrointestinal tract.
Assessment	NA
Endocrine disrupting properties	NA

12. Ecological information

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Persistence and degradability	No data available
Toxicity	Mixture No data available
Bioaccumulative potential	No data available
Toxicity to fish	NA
Toxicity to daphnia and other aquatic invertebrates	NA
Toxicity to algae	NA
Eco Toxicity	Not Available
COD and BOD 5	Not Available
Products Biodegradation:	The methods for determining the biological degradability are not applicable to inorganic substances.
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.
Endocrine disrupting properties	NA
Assessment	NA
Other adverse effects	No data available

13. Disposal considerations

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Disposal methods	NA
Contaminated packaging	Dispose of as unused product.
Waste treatment Method	Product Offer surplus and non-recyclable solutions to a licensed disposal company. Contaminated packaging Dispose of as unused product.

14. Transport information

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UN number	ADR/RID: -
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	IMDG: -
	IATA: -
UN proper shipping name	ADR/RID: Not dangerous goods
	IMDG: Not dangerous goods
	IATA: Not dangerous goods
Transport hazard class(es)	ADR/RID: -
	IMDG: -
	IATA: -
Packaging group	ADR/RID: -
	IMDG: -
	IATA: -
Environmental hazards	ADR/RID: No
	IMDG: No
	IATA: No
Special precautions for user	No data available
Further information	Not classified as dangerous in the meaning of transport regulations
Transport in bulk according to IMO instruments	No data available

15. Regulatory information

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Safety, health and environmental regulations/legislation specific for the substance or mixture	This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006. International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors : REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : This product contains a substance listed on Annex XIV of the REACH Regulation (EC) Nr. 1907/2006. Listed substance / Sunset Date : After the sunset date the use of this substance requires either an authorization or can only be used for exempted uses, e.g. use in scientific research and development which includes routine analytics or use as intermediate. Regulation (EC) No 1005/2009 on substances that deplete the ozone layer
Safety, health and environmental regulations specific for the product in question	NA
National legislation	NA
DSCL (EEC)	NA
Other regulations	NA
Chemical Safety Assessment	For this product a chemical safety assessment was not carried out

16. Other information

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Other Information

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 we 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.

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 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

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-bis5-phenyloxaza-2yl 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 BIASELENITE 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 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

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 MONOLEATE RXSOL-60-6605-599

STANNIC OXIDE AR RXSOL-60-6605-601

STANNIC OXIDE LR