

1. Product and Company Identification

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Product Name Peracetic Acid 30
Part Number RXSOL-33-1267-001

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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Product name	Cas No	EC No	Weight	Formula
Peracetic Acid 30	79-21-0	201-186-8	>= 30 - < 50 %	CH ₃ CO ₃ H

3. Hazards Identification

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Signal Word	Danger
Hazard Statements	H242 Heating may cause a fire. H301 Toxic if swallowed. H314 Causes severe skin burns and eye damage. H335 May cause respiratory irritation. H410 Very toxic 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. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
Classification of the substance or mixture	No data available
Supplemental Hazard Statements	No data available
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	First aiders need to protect themselves. Show this material safety data sheet to the doctor in attendance.
If inhaled	After inhalation fresh air. Immediately call in physician. If breathing stops: immediately apply artificial respiration, if necessary also oxygen.
Eye Contact	After eye contact: rinse out with plenty of water. Immediately call in

Swallowed	ophthalmologist. Remove contact lenses. If swallowed: give water to drink (two glasses at most). Seek medical advice immediately. In exceptional cases only, if medical care is not available within one hour, induce vomiting (only in persons who are wide awake and fully conscious), administer activated charcoal (20 - 40 g in a 10% slurry) and consult a doctor as quickly as possible. Do not attempt to neutralise.
Skin Contact	In case of skin contact Take off immediately all contaminated clothing. Rinse skin with water/ shower. Call a physician immediately.
Inhalation	No data available
Ingestion	No data available
Most important symptoms and effects, both acute and delay	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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Flammability	No data available
Suitable extinguishing media	Water Foam Carbon dioxide (CO2) Dry powder
Unsuitable extinguishing media	For this substance/mixture no limitations of extinguishing agents are given.
Special hazards arising from the substance or mixture	Carbon oxides Combustible. Fire-promoting. Keep away from combustible materials. Vapors are heavier than air and may spread along floors. Forms explosive mixtures with air on intense heating. Development of hazardous combustion gases or vapours possible in the event of fire
Further information	Remove container from danger zone and cool with water. Prevent fire extinguishing water from contaminating surface water or the ground water system.
Hazardous combustion products	No data available
Advice for firefighters	Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.
Protective Equipment	No data available
Specific Hazards Arising from the Chemical	No data available

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures	Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8
Spillage	No data available
Personal Protection	No data available
Environmental Precaution	Do not let product enter drains. Risk of explosion.
Methods and materials for containment and cleaning	No data available
Reference to other sections	For disposal see section 13.

7. Handling and Storage

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Advice on protection against fire and explosion	Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.
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Incompatible materials	No data available
Hygiene measures	Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance. For precautions see section 2.2
Advice on safe handling	No data available
Conditions for safe storage including any incompatibilities	No data available
Storage conditions	Tightly closed. Keep locked up or in an area accessible only to qualified or authorized persons. Separately or together with other organic peroxides only and away from sources of ignition and heat. Recommended storage temperature see product label.
Storage class	Storage class (TRGS 510) 5.2 Organic peroxides and self-reacting hazardous materials
Specific end use(s)	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated
Advice on general occupational hygiene	No data available

8. Exposure controls and personal protection

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Exposure controls	Personal protective equipment
Engineering Control	No data available
Eye/face protection	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses
Body Protection	Acid-resistant protective clothing
Skin protection	This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de). Full contact Material: Chloroprene Minimum layer thickness: 0,65 mm Break through time: 480 min Material tested:KCL 720 Camapren® This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de). Splash contact Material: Latex gloves Minimum layer thickness: 0,6 mm Break through time: 30 min Material tested:Lapren® (KCL 706 / Aldrich Z677558, Size M)
Respiratory protection	Required when vapours/aerosols are generated.Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Recommended Filter type: Filter type ABEK The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.
Other Protection Measure	No data available

9. Physical and chemical properties

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Physical state	Liquid
Colour	Colorless
Odour	Stinging
Odor Threshold	No data available
pH	ca.1 at 20 °C
Melting Point	ca.-37 °C

Boiling Point	No data available
Flash Point	62 °C
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Explosive limits	No data Available
Upper/lower flammability or explosive limits	No data available
Autoignition temperature	No data available
Decomposition temperature	> 60 °C Type D
Vapour pressure	ca.14 hPa at 20 °C
Viscosity	No data available
Density	ca.1,14 g/cm ³ at 20 °C
Relative Density	1,950 at 0 °C
Specific Gravity	No data available
Partition coefficient	No data available
Explosive properties	No data available
Solubility	at 20 °C soluble
Ignition temperature	No data available
Particle characteristics	No data available

10. Stability and reactivity

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Reactivity	Forms explosive mixtures with air on intense heating. A range from approx. 15 Kelvin below the flash point is to be rated as critical.
Chemical stability	stabilised In case of decomposition in closed containers and tubes risk of bursting due to buildup of overpressure. The product is chemically stable under standard ambient conditions (room temperature)
Possibility of hazardous reactions	Risk of explosion with: Heavy metal salts Reducing agents Organic Substances Amines combustible substances Acetic anhydride Strong oxidizing agents Peroxides potassium permanganate perchloric acid phosphorus halides Alkali metals alkali salts Alkaline earth metals Metals metallic oxides Metallic salts nonmetals nonmetallic oxides Aldehydes Ammonia hydrazine and derivatives hydrides Ether anhydrides alkenes organic nitro compounds Brass Impurities Exothermic reaction with: Etheralkalines mineral acids Nitric acid Alcohols chromosulfuric acid halogen-halogen compounds chlorosulfonic acid Tetrahydrofuran metallic chlorides with Risk of ignition or formation of inflammable gases or vapours with: Solvent Hydrocarbons fuming sulfuric acid
Conditions to avoid	Heating (explosive decomposition). Strong heating.
Incompatible materials	No data available
Hazardous decomposition products	In the event of fire: see section 5

11. Toxicological information

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Acute toxicity	LD50 Oral - Rat - male and female - > 7,5 mg/kg (OECD Test Guideline 401) LC50 Inhalation - Rat - male and female - 4 h - 186 mg/m ³ - aerosol Remarks: (ECHA) LD50 Dermal - Rabbit - male and female - > 17,8 mg/kg (US-EPA) LD50 Intravenous - Mouse - male - 212 mg/kg Remarks: (ECHA)
Skin corrosion/irritation	Skin - Rabbit Result: Causes severe burns. - 4 h (OECD Test Guideline 404)
Serious eye damage/irritation	Eyes - Rabbit Result: Corrosive (US-EPA)
Respiratory or skin sensitization	Maximization Test - Guinea pig Result: negative (Regulation (EC) No. 440/2008, Annex, B.6)
Carcinogenicity	Presumed to have carcinogenic potential for humans
Germ cell mutagenicity	Test Type: reverse mutation assay Test system: S. typhimurium Result:

Reproductive toxicity
Specific target organ toxicity - single exposure
Additional Information

negative Test Type: In vitro mammalian cell gene mutation test Test system: Chinese hamster fibroblasts Result: negative Test Type: Chromosome aberration test in vitro Test system: Chinese hamster fibroblasts Result: negative Method: OECD Test Guideline 474 Species: Mouse - male and female - Red blood cells (erythrocytes) Result: negative Method: OECD Test Guideline 486 Species: Rat - male - Liver cells

No data available

No data available

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. Other dangerous properties can not be excluded. Handle in accordance with good industrial hygiene and safety practice

12. Ecological information

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Persistence and degradability

No data available

Toxicity to fish

Semi-static test LC50 - Oncorhynchus mykiss (rainbow trout) - 0,53 mg/l - 96 h (OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates

Static test EC50 - Daphnia magna (Water flea) - 0,73 mg/l - 48 h (OECD Test Guideline 202)

Toxicity

No data available

Toxicity to bacteria

Static test EC50 - activated sludge - 5,1 mg/l - 3 h (OECD Test Guideline 209) static test NOEC - activated sludge - 16,7 mg/l - 3 h (OECD Test Guideline 209)

Toxicity to algae

Static test ErC50 - Pseudokirchneriella subcapitata (green algae) - 0,16 mg/l - 72 h (US-EPA) static test NOEC - Pseudokirchneriella subcapitata (green algae) - 0,061 mg/l - 72 h (US-EPA)

Bioaccumulation potential

No data available

Mobility in soil

No data 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

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Other adverse effects

Biological effects: Bactericidal effect. Fungicide Discharge into the environment must be avoided

13. Disposal considerations

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Product

Pressurised gas bottle: dispose of only in empty condition!

Contaminated packaging

No data available

Waste treatment Method

No data available

14. Transport information

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UN number

ADR/RID:3105

IMDG:3105

IATA:1040

UN proper shipping name

ADR/RID:ORGANIC PEROXIDE TYPE D, LIQUID (PEROXYACETIC ACID, TYPE D)

IMDG:ORGANIC PEROXIDE TYPE D, LIQUID (PEROXYACETIC ACID, TYPE D)

IATA:ORGANIC PEROXIDE TYPE D, LIQUID (PEROXYACETIC ACID, TYPE D)

Transport hazard class(es)

ADR/RID:5.2 (8)

IMDG:5.2 (8)

IATA:5.2 (8)

Packaging group	ADR/RID:-	IMDG:-	IATA:-
Environmental hazards	ADR/RID:Yes	IMDG:Yes	IATA:No
Special precautions for user	No data available		
Further information	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.
Other regulations	Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable. Take note of Dir 94/33/EC on the protection of young people at work
Chemical Safety Assessment	A Chemical Safety Assessment was not carried out for this substance.

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 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.</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 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.</p>
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