Material Safety Data Sheet

RXSOL CLEANER (RXSOL-19-1340-210)

1. Product and Company Identifaction

Product Name	RXSOL CLEANER
Part Number	RXSOL-19-1340-210

Company Details:
RX MARINE INTERNATIONAL
105, A WING , BSEL , TECH PARK.
VASHI ,NAVI MUMBAI 400703 INDIA

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Website	www.rxmarine.com

2. Composition / informationon ingredients

Name of Substance	Cas Number	EC Number	Weight %
Isopropyl Alcohol	67-63-0	200-661-7	80 - 90 %
Surfactant	Proprietary	- - - - - -	10 - 20 %

3. Hazards Identification

Signal Word	Warning
Hazard Statements	H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.
Precautionary statements - prevention	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P240 Ground/bond container and receiving equipment.
Precautionary statements - response	P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Storage : P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
Carcinogenicity	Not classified as human carcinogen.

4. First Aid Measures

Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.
Inhalation:	Move to fresh air. If not breathing, give artificial respiration. Get medical attention ifm symptoms occur. Risk of serious damage to the lungs.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting. Call a physician or Poison Control Center immediately. If vomiting occurs naturally, have victim lean forward.
Most important symptoms/effects	Breathing difficulties. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
Notes to Physician	Treat symptomatically

5. Fire-fighting Measures

Suitable extinguishing media	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	Risk of ignition. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Containers may explode when heated.
Hazardous Combustion Products	Carbon monoxide (CO), Carbon dioxide (CO2), peroxides.
Advice for firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.
Further Information	Remove container from danger zone and cool with water. Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. Accidental Release Measures

Personal precautions	Use personal protective equipment. Remove all sources of ignition. Take precautionary measures against static discharges. Avoid contact with skin, eyes and clothing
Environmental precautions	Should not be released into the environment. Do not let enter product in drain.
Methods and material for containment and cleaning up	Prevent further leakage or spillage if safe to do so. Remove all sources of ignition. Soak up with inert absorbent material. Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. Keep in suitable, closed containers for disposal.
Reference to other sections	Indications about waste treatment see section 13.

7. Handling and Storage

Handling	Wear personal protective equipment. Keep away from open flames, hot surfaces and sources of ignition. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharges. Do not get in eyes, on skin, or on clothing. Do not breathe vapors or spray mist. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Flammables area. Corrosives area.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Wash hands beforebreaks and at the end of workday

8. Exposure controls and personal protection

Engineering Control	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Personal Protection	Eye/face Protection : 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 and body protection : Wear appropriate protective gloves and clothing to prevent skin exposure. Long sleeved clothing.Flame retardant antistatic protective clothing. Respiratory Protection : 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.
Exposure Limits	Contains no substances with occupational exposure limit values.



Gloves



Suit

9. Physical and chemical properties

Form	Liquid
Colour	Colourless

Odour	Alcohol like
Odor Threshold	1.0 - 196.1 ppm
pH at 20°C	Neutral
Melting Point	- 80 °C
Boiling Point	95 °C
Flash Point	72 °C
Evaporation Rate	No information available.
Flammability (solid, gas)	No information available.
Density	0.795 - 0.81 at 20 °C
Relative Density	No information available
Decomposition Temperature	No information available
Partition coefficient	No data available
Autoignition Temperature	No information available
Solubility in Water	Soluble in any ratio
Explosive properties	Not classified as explosive.
Oxidizing properties	None

10. Stability and reactivity

Recativity Hazard	None known, based on information available
Stability	Product is stable.
Possibility of hazardous reactions	Hazardous Polymerization Hazardous polymerization does not occur. Hazardous Reactions None under normal processing.
Conditions to avoid	Heat, flames and sparks. Keep away from open flames, hot surfaces and sources of ignition
Incompatible materials	Strong oxidizing agents. Acids. Halogens. Acid anhydrides.
Hazardous Decomposition Products	Carbon monoxide (CO). Carbon dioxide (CO2). peroxides

11. Toxicological information

Acute oral toxicity	LD50 Rat: 5,045 mg/kg (RTECS) Symptoms: Risk of aspiration upon vomiting., Aspiration may cause pulmonary oedema and pneumonitis.
Acute dermal toxicity	LD50 Rabbit: 12,800 mg/kg (RTECS)
Skin Irritation	Skin irritation Rabbit Result: No skin irritation OECD Test Guideline 404 Drying-out effect resulting in rough and chapped skin.
Eye Irritation	Eye irritation Rabbit Result: Eye irritation OECD Test Guideline 405 Causes eye irritation.
Specific target organ toxicity - repeated exposure	This information is not available.
Aspiration hazard	This information is not available.
Further information	After absorption: Headache, Dizziness, inebriation, Unconsciousness, narcosis After uptake of large quantities: respiratory paralysis, Coma Other dangerous properties can not be excluded. Handle in accordance with good industrial hygiene and safety practice.

12. Ecological information

Toxicity	Toxicity to fish flow-through test LC50 Pimephales promelas (fathead minnow): 9,640 mg/l; 96 h US-EPA Toxicity to daphnia and other aquatic invertebrates EC50 Daphnia magna (Water flea): 13,299 mg/l; 48 h (IUCLID) Toxicity to algae IC50 Desmodesmus subspicatus (green algae): > 1,000 mg/l; 72 h (IUCLID) Toxicity to bacteria EC5 Pseudomonas putida: 1,050 mg/l; 16 h (Lit.)
COD and BOD 5	Ratio BOD/ThBOD BOD5 49 % (IUCLID) Ratio COD/ThBOD 96 % (Lit.)
Products of Biodegradation:	95 %; 21 d; aerobic OECD Test Guideline 301E Readily biodegradable
Mobility in soil	No information available.
Results of PBT and vPvB assessment	No information available.
Other adverse effects	Discharge into the environment must be avoided.

13. Disposal considerations

Waste treatment Method	Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

14. Transport information

DOT

UN Number	UN1219
Proper shipping name	Non Corosive Substance, RXSOL Cleaner
Hazard Class	3
Packing group	III

TDG

UN Number	UN1219
Proper shipping name	Non Corosive Substance, RXSOL Cleaner
Hazard Class	3
Packing group	III

IATA

UN Number	UN1219
Proper shipping name	Non Corosive Substance, RXSOL Cleaner
Hazard Class	3
Packing group	III

IMDG/IMO

UN Number	UN1219
Proper shipping name	Non Corosive Substance, Rxsol Cleaner
Hazard Class	3
Packing group	III
Marine Pollution	None

Environmental hazards : No hazards identified
Special precautions for user : No special precautions required
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code : Not applicable, packaged goods

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture	National legislation Storage class 3
Chemical Safety Assessment	A Chemical Safety Assessment has been carried out according to regulation (EC) No. 1907/2006 (REACH) for this substance.

16. Other information

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 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.