

Material Safety Data Sheet

Oil Grease Remover (RXSOL-15-2001-020)



1. Product and Company Identification

Product Name : Oil Grease Remover
Part Number : RXSOL-15-2001-020

Company Details:

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

Branch : Kandla, Sikka, Dahej, Hazira, JNPT, Goa, Mangalore, Cochin, Tuticorin, Chennai, Kakinada, Vizag, Paradip, Kolkata, UAE, Singapore.

Phone : +91 22 27815540 / 41 / 42
Fax : +91 22 2781 1318 ::AOH :0091 9821214367
Email : 123@rxmarine.com
Website : www.rxmarine.com

2. Composition / information on ingredients

Name of Substance	Cas Number	EINECS
Ammonium Bisulphite	10192-30-0	203-469
Ethanediol	107-21-1	203-473
Quaternary Ammonium Chloride	68391-01-5	269-919
Propan-2-ol	67-63-0	200-661
Proprietary Mixture	---	

3. Hazards Identification

Classification under EC 1272/2008 regulation - GHS classification. Aspiration Toxicity, Category 1 Carcinogenicity, Category 2 Aquatic toxicity (chronic), Category 3 Specific target organ toxicity-single exposure, Category 3 Eye damage, Category 1 Acute Toxicity (dermal), Category 4

SIGNAL WORD DANGER

Hazard Statements

H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.
Label Elements	The substance is classified and labelled according to the CLP Regulation.
SIGNAL WORD	DANGER
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage.

H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.
P261	Avoid breathing mist/vapours/spray.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P303+P361+P352	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338+P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
P331	Do NOT induce vomiting.
P391	Collect spillage.
P403+P233	Store in a well-ventilated place. Keep container tightly closed. P405: Store locked up.
P501	Dispose of contents and container to appropriate waste site or reclaimer in accordance with local and national regulations.
Other Hazards	Does not meet the criteria for PBT or vPvB. Material can accumulate static charges which may cause an ignition. May be irritating to the eyes, nose, throat and lungs. Combustible liquid. In use, may form flammable/explosive vapour-air mixture. Electrostatic charges may be generated during pumping. Electrostatic discharge may cause fire.
R36/38	Irritating to eyes and skin
R52-53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking.
R67:	Vapours may cause drowsiness and dizziness.
S2	Keep out of the reach of children.
S9	Keep container in a well-ventilated place.
S23	Do not breathe gas/vapour.
S24	Avoid contact with skin
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S61	Avoid release to the environment. Refer to special instructions/safety data Sheets (MSDS).
S62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
S38	In case of insufficient ventilation, wear suitable respiratory equipment.

4. First Aid Measures

Inhalation	Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device, or use mouth-to-mouth resuscitation.
Skin Contact	Wash contact areas with soap and water. Remove contaminated clothing. If this chemical penetrates the clothing promptly remove the clothing and wash. Launder contaminated clothing before reuse.
Eye contact	Flush thoroughly with water. If irritation occurs, get medical assistance.
Ingestion:	Seek immediate medical attention. Do not induce vomiting. Never give anything to an unconscious person.
Most important symptoms and effects, both acute and delayed	Acute health effects: drowsiness, dizziness, nausea, skin irritation. Delayed effects: N/A.
Indication of any immediate medical attention and special treatment needed Note to physician:	If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately

5. Fire-fighting Measures

<i>Suitable extinguishing media</i>	<i>Appropriate extinguishing media: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames. Inappropriate extinguishing media: Straight streams of water.</i>
<i>Unusual fire hazards arising from the substance or mixture</i>	<i>Hazardous material. Fire-fighters should consider protective equipment. Hazardous combustion products: Smoke, Fume, Incomplete combustion products, Oxides of Carbon. Possible formation of toxic Carbon Monoxide when combustion takes place in lack of oxygen.</i>
<i>Fire Fighting Instructions</i>	<i>Evacuate area. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. Fire-fighters should use standard protective equipment and in enclosed spaces, self contained breathingapparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.</i>

6. Accidental Release Measures

<i>Notification Procedure</i>	<i>In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.</i>
<i>Protective Measures</i>	<i>Avoid contact with spilled material. Warn or evacuate occupants in surrounding and downwind areas if required, due to toxicity or flammability of the material</i>
<i>Land Spill</i>	<i>Stop leak if you can do so without risk. Do not touch or walk through spilled material. Large Spills: Water spray may reduce vapour, but may not prevent ignition in enclosed spaces. Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Recover by pumping or with a suitable absorbent</i>
<i>Water Spill</i>	<i>Stop leak if you can do so without risk. Confine the spill immediately with booms. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants. Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current 6 direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken</i>
<i>Environmental Precautions Large Spills</i>	<i>Dyke far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.</i>
<i>Reference to other sections</i>	<i>See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.</i>

7. Handling and Storage

<i>Advice on safe handling</i>	<i>Avoid breathing mists or vapours. Avoid contact with skin. Potentially toxic/irritating fumes/vapour may be evolved from heated or agitated material. Use only with adequate ventilation. Prevent small spills and leakage to avoid slip hazard.</i>
<i>Prevention of fire and explosion</i>	<i>Material can accumulate static charges which may cause an electrical spark (ignition source). When the material is handled in bulk, an electrical spark could ignite any flammable vapors from liquids or residues that may be present (e.g., during switch-loading operations). Use proper bonding and/or earthing procedures. However, bonding and earthing may not eliminate the hazard from static accumulation. Consult local applicable standards for guidance. Additional references include American Petroleum Institute 2003 (Protection against Ignitions Arising out of Static, Lightning and Stray Currents) or National Fire Protection Agency 77 (Recommended Practice on Static Electricity) or CENELEC CLC/TR 50404 (Electrostatics - Code of practice for the avoidance of hazards due to static electricity).</i>
<i>StaticAccumulator</i>	<i>This material is a static accumulator. A liquid is typically considered a nonconductive, static accumulator if its conductivity is below 100 pS/m (100x10E-12 Siemens per meter), and is considered a semi-conductive, static accumulator, if its conductivity is below 10,000 pS/m. Whether a liquid is non-conductive or semi-conductive, the precautions are the same. A number of factors, for example: liquid temperature, presence of contaminants, anti-static additives and filtration, can greatly influence the conductivity of a liquid.</i>
<i>Precautions while moving the product:</i>	<i>Loading/Unloading Temperature: [Ambient] Transport Temperature: [Ambient] Transport Pressure: N/D</i>
<i>Technical measures:</i>	<i>The container choice, for example storage vessel, may effect static accumulation and dissipation. Keep container tightly closed and in a well ventilated place. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area. Storage containers should be earthed and bonded. Fixed storage containers, transfer containers and associated equipment should be grounded and bonded to prevent accumulation of static discharge. Keep away from direct sunlight and other sources of ignition. Do not smoke in storage areas.</i>
<i>Specific end use(s)</i>	<i>Cleaning product for industrial use only.</i>

8. Exposure controls and personal protection

Engineering Control	Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.
	Eye protection :Wear safety glasses. Contact lenses should not be worn. Chemical goggles and face shield should be worn where splashing is a possibility.
Personal Protection	Hand protection : Wear the following personal protective equipment: Standard glove type. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Skin protection : Wear solvent resistant gloves such as Viton, polyvinyl alcohol or equivalent and solvent resistant boots, safety shower and eyewash station should be available. Respiratory protection :Wear a self contained breathing apparatus or air line respirator, with full face piece is required for vapour concentrations and for spills.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.



Gloves



Suit

9. Physical and chemical properties

Physical State:	Liquid
Colour	Light yellow
Odour	Slight Aromatic
Initial Boiling Point:	240oC
Final Boiling Point:	>262oC
Flash Point:	>61oC
Autoignition Temperature:	>220oC
Lower Explosion Limit (vol %):	N/E
Upper Explosion Limit (vol %):	N/E
Vapour Pressure:	N/E
Relative vapor density (air=1):	N/E
Specific Gravity (gr/cm3):	0.97 - 0.99 at 20oC
Solubility in water:	Soluble
pH:	10.5 - 11.5
Other Information:	No further relevant information available.

10. Stability and reactivity

Chemical stability	Material is stable under normal conditions of use and storage.
Hazardous Decomposition	Material does not decompose at ambient temperatures.
Materials to Avoid	Keep it away from strong oxidizing materials.
Hazardous polymerization	Will not occur.

11. Toxicological information

Skin corrosion/irritation:	Not irritating.
Serious eye damage/irritation:	Not irritating.
Respiratory or skin sensitization	Not irritating.
Carcinogenicity	Limited evidence of a carcinogenic effect.
Mutagenicity	All genetic toxicity tests, both in vitro and in vivo, were negative.
Reproductive toxicity	Findings do not warrant classification of C10-C12 Aromatics fluids as a reproductive or developmental toxin under the new Regulation (EC) 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) or under the Directive 67/548/EEC for dangerous substances and Directive 1999/45/EC for preparations.
Specific target organ toxicity (single exposure)	STOT Single Exp. 3: May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	N/A
Aspiration hazard	Aspiration Toxicity 1; May be fatal if swallowed and enters airways
Acute oral toxicity	LD50: > 2,000 - 5,000 mg/kg Species: rat The value is estimated from tests on similar products.
Acute inhalation toxicity	LC50: > 20 mg/l
Acute dermal toxicity	LD50: > 2,000 - 5,000 mg/kg
Skin irritation	No skin irritation
Eye irritation	Risk of serious damage to eyes.
Sensitisation	Not sensitizing.
Repeated dose toxicity	NOEL: 250 mg/kg
Germ cell mutagenicity	Genotoxicity in vitro: Negative Genotoxicity in vivo: Negative

12. Ecological information

Toxicity	Hydrocarbons, C10, aromatics, >1% naphthalene LL50 (96 h): ≥ 2 — 5 mg/L test mat. LL50 (96 h): 14 mg/L test mat. Daphnia magna: NOELR (21 d): 0.851 mg/L test mat. (based on: reproduction) EL50 (72 h): > 1 — 3 mg/L test mat. (nominal) (based on: biomass) EL50 (72 h): > 1 — 3 mg/L test mat. (based on: growth rate) N/A
Toxicity to fish	LC50 (96 h) 349 mg/l, Cyprinus carpio (Directive 92/69/EEC, C.1, semistatic) Nominal values (confirmed by concentration control analytics) LC50 (96 h) 170 mg/l, Carassius auratus (APHA 1971, static) The statement of the toxic effect relates to the analytically determined concentration. Literature data.
Aquatic invertebrates	EC50 (48 h) 65 mg/l, Daphnia magna (Directive 84/449/EEC, C.2, static) Nominal values (confirmed by concentration control analytics).
Aquatic plants	EC50 (72 h) 2.5 mg/l (growth rate), Scleranthus capricornutum (OECD Guideline 201) Literature data. EC50 (72 h) 22 mg/l (growth rate), Scenedesmus subspicatus (Guideline 92/69/EEC, C.3) Nominal values (confirmed by concentration control analytics).
Microorganisms/Effect on activated sludge	EC20 (0.5 h) > 1,000 mg/l, activated sludge, domestic (DIN EN ISO 8192-OECD 209-88/302/EEC,P. C, aquatic) Nominal concentration. EC50 (16 h) 110 mg/l, Pseudomonas putida (DIN 38412 Part 8) The details of the toxic effect relate to the nominal concentration. EC50 (3 h) > 1,000 mg/l, activated sludge, domestic (OECD Guideline 209, aquatic).
Chronic toxicity to fish	No observed effect concentration (30 d) 1.2 mg/l, Oryzias latipes (OECD Guideline draft).

Chronic toxicity to aquatic invertebrates

No observed effect concentration (21 d), 0.85 mg/l, Daphnia magna (OECD Guideline 211) Assessment of terrestrial toxicity: Study scientifically not justified.

13. Disposal considerations

Waste disposal	Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal . Disposal recommendation: Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products .
Regulatory Disposal Information	European Waste Code: 08 XX XX
Disposal recommendation	Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations.

14. Transport information

Transport hazard class(es) 8

ADR/RID Not classified as dangerous for the transportation according to IMO, ADR/RID, US DOT and

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture	If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection
Chemical safety assessment	A CSA has been carried out for the raw materials in this product, from the raw materials manufacturers (when needed to be carried out).

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 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.