

1. Product and Company Identification

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Product Name Oil Grease Remover
Part Number RXSOL-35-2001-025

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
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2. Composition / Information on ingredients

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Product name	Cas No	Proportion
2-aminoethanol	141-43-5	1% - 10%
2-Propylheptanol Ethoxylate	160875-66-1	1% - 10%
Hydrocarbons, C10, Aromatics, >1% Naphthalene	64742-94-5	10% - 25%
Sodium Hydroxide	1310-73-2	1% - 10%
Ingredients that do not contribute in the classification of the product	-	40% - 70%

3. Hazards Identification

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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.
Precautionary statements	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
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	Show this material safety data sheet to the doctor in attendance
If inhaled	No data available

Eye Contact	Flush thoroughly with water. If irritation occurs, get medical assistance.
Swallowed	No data available
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
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.
Ingestion	Seek immediate medical attention. Do not induce vomiting. Never give anything to an unconscious person.
Most important symptoms and effects, both acute and delay	Acute health effects: drowsiness, dizziness, nausea, skin irritation.
Indication of any immediate medical attention and special treatment needed	If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

5. Fire-fighting Measures

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Flammability	No data available
Suitable extinguishing media	Use water fog, foam, dry chemical or carbon dioxide (CO ₂) to extinguish flames.
Unsuitable extinguishing media	Straight streams of water.
Special hazards arising from the substance or mixture	No data available
Further information	No data available
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.
Advice for firefighters	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 breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.
Protective Equipment	Fire-fighters should consider protective equipment.
Specific Hazards Arising from the Chemical	No data available

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.
Spillage	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. 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 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.
Personal Protection	Avoid contact with spilled material. Warn or evacuate occupants in surrounding and downwind areas if required, due to toxicity or flammability of the material
Environmental Precaution	Dyke far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

Methods and materials for containment and cleaning
Reference to other sections

No data available

For disposal see section 13.

7. Handling and Storage

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Advice on protection against fire and explosion

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).

Incompatible materials

No data available

Hygiene measures

No data available

Advice on safe handling

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

Conditions for safe storage including any incompatibilities

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.

Storage conditions

No data available

Storage class

No data available

Specific end use(s)

Cleaning product for industrial use only.

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

Wear safety glasses. Contact lenses should not be worn. Chemical goggles and face shield should be worn where splashing is a possibility

Body Protection

Protective clothing.

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.

Other Protection Measure

No data available

9. Physical and chemical properties

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Physical state

Liquid

Colour

Light yellow

Odour	Slight Aromatic
Odor Threshold	No data available
pH	10.5 - 11.5
Melting Point	No data available
Boiling Point	>262°C
Flash Point	>61°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	>220°C
Decomposition temperature	No data available
Vapour pressure	No data available
Viscosity	No data available
Density	No data available
Relative Density	No data available
Specific Gravity	0.97 - 0.99 at 20°C
Partition coefficient	No data available
Explosive properties	No data available
Solubility	Soluble
Ignition temperature	No data available
Particle characteristics	No data available

10. Stability and reactivity

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Reactivity	No data available
Chemical stability	Material is stable under normal conditions of use and storage.
Possibility of hazardous reactions	No data available
Conditions to avoid	Avoid open flames, sparks, heating and high energy ignition sources.
Incompatible materials	Keep it away from strong oxidizing materials
Hazardous decomposition products	Material does not decompose at ambient temperatures. Possible the formation of toxic Carbon monoxide when no proper combustion takes place.

11. Toxicological information

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Acute toxicity	Hydrocarbons, C10, aromatics, >1% naphthalene LD50, Oral LC50, Inhalation (4h) LD50, Dermal Rat (male) Rat (male) Rabbit (male) 6318 mg/kg >4688 mg/m ³ >2000 mg/kg
Skin corrosion/irritation	No data available
Serious eye damage/irritation	No data available
Respiratory or skin sensitization	No data available
Carcinogenicity	Limited evidence of a carcinogenic effect
Germ cell 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	May cause drowsiness or dizziness
Additional Information	No data available

12. Ecological information

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Persistence and degradability	The substance is readily biodegradable.
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.
Toxicity to daphnia and other aquatic invertebrates	EC50: > 10 - 100 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea)
Toxicity to bacteria	Static test EC50 - activated sludge - 300,4 mg/l - 3 h (OECD Test Guideline 209)
Toxicity to algae	EC50: > 10 - 100 mg/l Exposure time: 72 h Species: algae
Products Biodegradation	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	No data available

13. Disposal considerations

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Disposal recommendation	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
Contaminated packaging	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

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UN number	ADR/RID:-	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	No data available		

15. Regulatory information

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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
Other regulations	No data available
Chemical Safety Assessment	A CSA has been carried out for the raw materials in this product, from

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.

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