

## 1. Product and Company Identification

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Product Name Upholstery Stain Remover  
Part Number RXSOL-15-2732-005

Company Details:....

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

Branch : Kandla, Mumbai , Chennai, Vizag, Kolkata, UAE , OMAN , CANADA and KENYA

Phone +91 22 20871200 - 1400  
Fax +91 22 27612100 ::AOH :0091 9821214367  
Email [mail@rxmarine.com](mailto:mail@rxmarine.com)  
Website [www.rxmarine.com](http://www.rxmarine.com)

## 2. Composition / Information on ingredients

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Mixtures

Chemical name	CAS number	%
1-Butoxypropan-2-ol	5131-66-8	5 - < 10
Naphtha (petroleum), hydrotreated heavy	64742-48-9	1 - < 3
PROPAN-2-OL	67-63-0	1 - < 3
SODIUM DODECYLBENZENESULFONATE	25155-30-0	1 - < 3

## 3. Hazards Identification

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**Classification of the substance or mixture**

Physical hazards	Flammable liquids	Category 3
Health hazards	Not classified.	
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 3
	Hazardous to the aquatic environment, long-term hazard	Category 3
OSHA defined hazards	Not classified.	

**Label elements**

Signal word	Warning
Hazard Statements	Flammable liquid and vapor. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary Statements	
Prevention	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment.

Response	Use only non-sparking tools. Take precautionary measures against static discharge. Avoid release to the environment. Wear protective gloves/eye protection/face protection If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. In case of fire: Use appropriate media to extinguish.
Storage	Store in a well-ventilated place. Keep cool.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	May irritate eyes and skin. May cause irritation of respiratory tract. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
Supplemental information	None.

## 4. First Aid Measures

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<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist
<b>Skin contact</b>	Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting. Get medical attention if symptoms occur.
<b>Most important symptoms/effects, acute and delayed</b>	Direct contact with eyes may cause temporary irritation.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.
<b>General information</b>	Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

## 5. Fire-fighting Measures

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### Extinguishing media

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Special hazards arising from the substance or mixture</b>	Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard.  In a fire or if heated, a pressure increase will occur and the container may burst, with the  risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along  the ground. Vapors may accumulate in low or confined areas or travel a considerable  distance to a source of ignition and flash back.  Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard.  In a fire or if heated, a pressure increase will occur and the container may burst, with the

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distance to a source of ignition and flash back.

Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

#### Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

#### Fire fighting equipment/instructions

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

**spray to keep fire-exposed containers cool.Promptly isolate the scene by removing all persons from the vicinity of the incident if**

**there is a fire. No action shall be taken involving any personal risk or without suitable**

**training. Move containers from fire area if this can be done without risk. Use water**

#### Specific methods

**spray to keep fire-exposed containers cool.**

Use standard firefighting procedures and consider the hazards of other involved materials.

#### General fire hazards

Flammable liquid and vapor.

## 6. Accidental Release Measures

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#### Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Avoid contact with eyes, skin, and clothing. Avoid inhalation of vapors. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

#### Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take

precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is

possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like

vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Prevent product from entering drains. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers

for later disposal. Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

## Environmental precautions

## 7. Handling and Storage

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Precautions for safe handling

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid contact with eyes, skin, and clothing. Avoid breathing vapor. Avoid prolonged exposure. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices

Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls and personal protection

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US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9)	PEL	400 mg/m <sup>3</sup>
PROPAN-2-OL (CAS 67-63-0)	PEL	100 ppm
		980 mg/m <sup>3</sup>

US. ACGIH Threshold Limit Values

PROPAN-2-OL (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm
US. NIOSH: Pocket Guide to Chemical Hazards Naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9)	TWA	400 mg/m <sup>3</sup>
PROPAN-2-OL (CAS 67-63-0)	STEL	100 ppm
	TWA	1225 mg/m <sup>3</sup>
		500 ppm
		980 mg/m <sup>3</sup>
		400 ppm

Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Use adequate ventilation to control airborne concentrations below the exposure limits/guidelines. If user operations generate a vapor, dust and/or mist, use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels below the recommended exposure limits/guidelines

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Suitable chemical protective gloves should be worn when the potential exists for prolonged or repeated skin exposure. Nitrile gloves are recommended. Neoprene gloves are recommended. Latex or butyl rubber gloves are recommended.

Other

Wear suitable protective clothing. Wear appropriate chemical resistant clothing if applicable.

Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard 29 CFR 1910.134 and/or Canadian Standard CSA Z94.4.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

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**Physical state**

Liquid

**Form**

Liquid

**Colour**

Amber

**Odor**

Characteristic

**Odor threshold**

Not available.

**pH**

9.2 ASTM D1293

<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	Not available.
<b>Flash point</b>	127.9 °F (53.3 °C) PMCC
<b>Autoignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Water solubility</b>	Not available.
<b>Partition coefficient: n-octanol/water</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Density</b>	Not available.
<b>Relative density</b>	1,03 at 20 °C
<b>Relative density temperature</b>	68 °F (20 °C)
<b>Particle characteristics</b>	Not available.
<b>Explosive properties</b>	Not available.
<b>Oxidizing properties</b>	Not available.
<b>Other safety information</b>	8 % CAM310

## 10. Stability and reactivity

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<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

## 11. Toxicological information

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### Information on toxicological effects

<b>Acute toxicity</b>	LD50 Oral - Rat - male - 207,0 mg/kg
	Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Olfaction:Other changes.
	Behavioral:Convulsions or effect on seizure threshold.
	Gastrointestinal:Ulceration or bleeding from stomach.
	(ECHA)
	Symptoms: If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach.
	Acute toxicity estimate Oral - 207 mg/kg
	(ATE value derived from LD50/LC50 value)

Remarks: (RTECS)

LD50 Dermal - Rabbit - 301,0 mg/kg

Remarks: Behavioral:Tremor.

Gastrointestinal:Changes in structure or function of salivary glands.

Kidney, Ureter, Bladder:Other changes.

(ECHA)

Acute toxicity estimate Dermal - 301 mg/kg

(ATE value derived from LD50/LC50 value)

Skin - Rabbit

Result: Causes burns.

Remarks: (ECHA)

Not available

Not available

Not available

Not available

Not available

Not available.

Not available.

Not available.

Not available.

**Skin corrosion/irritation****sensitization****mutagenicity****Carcinogenicity****Reproductive toxicity****Teratogenicity****Specific target organ toxicity (single exposure)****Specific target organ toxicity (repeated exposure)****Aspiration hazard****Information on the likely routes of exposure****12. Ecological information**[www.rxmarine.com](http://www.rxmarine.com)

Persistence and degradability

No data available

Toxicity to fish

Static test LC50 - *Oncorhynchus mykiss* (rainbow trout) - 75 mg/l - 96 h (OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates

Static test EC50 - *Daphnia magna* (Water flea) - 42,81 mg/l - 48 h (OECD Test Guideline 202) Remarks: (in analogy to similar products) The value is given in analogy to the following substances: maleic acid

Toxicity

Toxicity to fish LC50 - *Pimephales promelas* (fathead minnow) - 1.520 mg/l - 96 h

Toxicity to bacteria

EC10 - Bacteria - 14 mg/l - 72 h Remarks: (Lit.) EC5 - *E.coli* - 15.000 mg/l Remarks: (Lit.) (maximum permissible toxic concentration)

Toxicity to algae

Static test ErC50 - *Pseudokirchneriella subcapitata* (green algae) - 74,35 mg/l - 72 h (OECD Test Guideline 201) Remarks: (in analogy to similar products) The value is given in analogy to the following substances: maleic acid

Products Biodegradation

The methods for determining the biological degradability are not applicable to inorganic substances.

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

No data available

Other adverse effects

No data available .

## 13. Disposal considerations

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Product	Offer surplus and non-recyclable solutions to a licensed disposal company. Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.
Contaminated packaging	Dispose of as unused product.
Waste treatment Method	See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

## 14. Transport information

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UN number	ADR/RID:2404 IMDG:2404 IATA: 2404
UN proper shipping name	ADR/RID:PROPIONITRILE IMDG:PROPIONITRILE IATA:PROPIONITRILE
Transport hazard class(es)	ADR/RID: 3 (6.1) IMDG: 3 (6.1) IATA:3 (6.1)
Packaging group	ADR/RID: II IMDG: II IATA:II
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.

## 15. Regulatory information

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<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.
<b>Other regulations</b>	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.
<b>Chemical Safety Assessment</b>	For this product a chemical safety assessment was not carried out

## 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><b>DISCLAIMER OF LIABILITY</b> :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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