Material Safety Data Sheet

RXSOL Marine Concentrate (RXSOL-20-2071-210)

1. Product and Company Identifaction

Product Name	RXSOL-20-2071-210
Product Type	Marine Concentrate Tank Clean

Company Details:

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

Stock Point ::: Mumbai, Kandla, Kolkata, Chennai, Visakhapatnam, Fujairah, Muscat

Phone	+91 22 27815541 / 42
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	mail@rxmarine.com

2. Composition / informationon ingredients

	Non-ionic surfactants	Xn, Xi; R 22-41	10-25 %
	Aminen	C, Xn; R 20/21/22-34	2.5 %
	phosphates	Xn, Xi; R 22-36/38	2.5 %
	Anionic surfactants	R 53	2.5 %
	Anionic surfactants	C, Xn; R 22-34	2.5 %
CAS: 138-86-3 EINECS: 205-341-0	p-mentha-1,8(9)-diene	Xi, N; R 10-38-43-50/53	10-25%
CAS: 872-50-4 EINECS: 212-828-1	N-methyl-2-pyrrolidone	Xi; R 36/38	10-25%
	Terpenes, mixture	Xi; R 38	10-25%
CAS: 111-76-2 EINECS: 203-905-0	2-butoxyethanol	Xn, Xi; R 20/21/22-36/38	2.5-10%

Additional information: For the wording of the listed risk phrases refer to section 16.

3. Hazards Identification

· Hazard description:
Xi Irritant
Not Dangerous for the environment

· Information concerning particular hazards for human and environment:
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
R 38 Irritating to skin.
R 41 Risk of serious damage to eyes.
R 43 May cause sensitisation by skin contact.
· Classification system: The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

4. First Aid Measures

· General information: Immediately remove any clothing soiled by the product.

· After inhalation: Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.

· After skin contact: Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

· After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

· After swallowing: If symptoms persist consult doctor.

5. Fire-fighting Measures

· Suitable extinguishing agents:
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· Special hazards caused by the substance, its products of combustion or resulting gases:
During heating or in case of fire poisonous gases are produced.

· Protective equipment: Mount respiratory protective device.

6. Accidental Release Measures

· Person-related safety precautions: Mount respiratory protective device. And Wear protective clothing.

· Measures for cleaning/collecting:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dilute with plenty water.
Ensure adequate ventilation.
Dispose of the material collected according to regulations.

7. Handling and Storage

· Handling:
· Information for safe handling:
Store in cool, dry place in tightly closed receptacles.
Prevent formation of aerosols.

· Information about fire - and explosion protection: Keep respiratory protective device available.

· Storage:

· Requirements to be met by storerooms and receptacles: No special requirements.

· Information about storage in one common storage facility: Not required.

· Further information about storage conditions: Keep container tightly sealed.

8. Exposure controls and personal protection

Additional information about design of technical facilities: No further data; see item 7.

· Ingredients with limit values that require monitoring at the workplace:	
872-50-4 N-methyl-2-pyrrolidone	
WEL	Short-term value: 309 mg/m³, 75 ppm Long-term value: 103 mg/m³, 25 ppm Sk
111-76-2 2-butoxyethanol	
WEL	Short-term value: 50 ppm Long-term value: 25 ppm Sk
141-43-5 2-aminoethanol	
WEL	Short-term value: 15 mg/m³, 6 ppm Long-term value: 7.6 mg/m³, 3 ppm

· Additional information: The lists valid during the making were used as basis.

· Personal protective equipment:
· General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.

· Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.

· Protection of hands:
Protective gloves
Solvent resistant gloves
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· Penetration time of glove material
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection: Safety glasses

· Body protection: Protective work clothing

9. Physical and chemical properties

· General Information
Form: Fluid Colour: According to product specification Odour: Characteristic
· Change in condition Melting point/Melting range: Undetermined. Boiling point/Boiling range: 100°C
· Flash point: > 50°C
· Ignition temperature: 240°C
· Self-igniting: Product is not selfigniting.
· Danger of explosion: Product does not present an explosion hazard.
· Explosion limits: Lower: 0.7 Vol % Upper: 9.5 Vol %
· Vapour pressure at 20°C: 2.1 hPa
· Density at 20°C: 0.94976 g/cm³
· Solubility in / Miscibility with water: Not miscible or difficult to mix.
· pH-value at 20°C: 9

10. Stability and reactivity

· Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

· Dangerous reactions
Reacts with strong acids.
Reacts with oxidizing agents.

· Dangerous decomposition products:
Carbon monoxide and carbon dioxide
Nitrogen oxides (NOx)

11. Toxicological information

· Acute toxicity:

· LD/LC50 values relevant for classification:		
68439-46-3 Alcohol ethoxylate		
Oral	LD50	1400 mg/kg (rat)

· Primary irritant effect:
· on the skin: Irritant to skin and mucous membranes.
· on the eye: Strong irritant with the danger of severe eye injury.
· Sensitization: Sensitization possible through skin contact.
· Sensitisation May cause sensitisation by skin contact.

12. Ecological information

· Ecotoxical effects:

· Acquatic toxicity:	
68439-46-3 Alcohol ethoxylate	
EC50/ 72 h	>1 mg/l (fish)

Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

13. Disposal considerations

· Product:
· Recommendation
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· European waste catalogue	
20 00 00	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS

· Uncleaned packaging:
· Recommendation: Disposal must be made according to official regulations.

14. Transport information

ROAD TRANSPORT (ADR)
ADR classNot dangerous according to ADR
RAIL TRANSPORT (RID): RID class no.N/A
SEA TRANSPORT (IMDG) IMDG classN/A
AIR TRANSPORT (IATA/ICAO)
IATA/ICAO classN/A

15. Regulatory information

· Risk phrases:

38 Irritating to skin.
41 Risk of serious damage to eyes.
43 May cause sensitisation by skin contact.

· Safety phrases:

7 Keep container tightly closed.
23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
24 Avoid contact with skin.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
37/39 Wear suitable gloves and eye/face protection.
57 Use appropriate container to avoid environmental contamination.

· Special labelling of certain preparations:
Restricted to professional users.

· National regulations:

· Technical instructions (air):

Class	Share in %
NK	50-100

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant R-phrases

20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
22	Harmful if swallowed.
34	Causes burns.
36/38	Irritating to eyes and skin.
38	Irritating to skin.
41	Risk of serious damage to eyes.
43	May cause sensitisation by skin contact.

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