

1. Product and Company Identification

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Product Name Turbine Kleen 81 RX
Product Type RXSOL-81-8185-025

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Proprietary mixture of non-ionic surfactant and emulsifier in deionised water solution.

Hazardous ingredient	CAS No.	EINECS No.	Conc. %	Symbols	R Phrases
Ethoxylated branched oxoalcohols	068439-46-3	polymer	20-40	Xn	R22, R41
2-(2-butoxyethoxy)ethanol	000112-34-5	203-961-6	1-15	Xi	R36

3. Hazards Identification

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Classification of the mixture: This preparation is classified as dangerous according to Directive 1999/45/EC.

Harmful: Harmful if swallowed. Irritant: Risk of serious damage to eyes.

Label elements: Xn Harmful (contains ethoxylated C9-11 alcohols) Danger Symbols:

Risk phrases: R22. Harmful if swallowed.

R41. Risk of serious damage to eyes.

Safety phrases: S26. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39. Wear suitable protective clothing, gloves and eye / face protection.

Other hazards: none known.

4. First Aid Measures

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Description of first aid measures:

Contact with skin: Remove contaminated clothing. Wash skin immediately with plenty of soap and water. If symptoms develop, get medical attention.

Contact with eyes: Wash immediately with eyewash solution or clean water, holding eyelids apart, for at least 10 minutes. Get immediate medical attention.

Ingestion: Rinse mouth with clean water. Get immediate medical attention.

Inhalation: Not expected to present a significant inhalation hazard under conditions of normal use.

Most important symptoms and effects, both acute and delayed: Risk of serious damage to eyes. May cause eye damage if untreated.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

5. Fire-fighting Measures

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Extinguishing media: In case of fire use water, foam, carbon dioxide or dry agent.

Special hazards arising from the mixture: Product has no flash-point, but if heated sufficiently, it will produce flammable vapours.

Advice for firefighters: Use water spray to cool containers exposed to fire and to protect personnel. Firefighters should wear full protective gear

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures: Wear protective clothing as described in Section 8 of this safety data sheet.

Environmental precautions: Dispose of in accordance with local regulations. The appropriate regulatory body must be alerted to spillages or uncontrolled discharges to watercourses

Methods and material for containment and cleaning up: Dike and contain spill. Do not allow spill to enter drains, sewers or waterways, ground, plants and vegetation. Recover free liquid if possible. Absorb spillage with inert material, floor absorbent, earth or sand and collect into appropriate containers.

7. Handling and Storage

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Precautions for safe handling: Avoid contact with skin or eyes. Otherwise, no particular precautions are required in normal use. Practice normal industrial hygiene. Provide adequate ventilation. May present slip hazard if spilt.

Conditions for safe storage, including any incompatibilities: Keep containers closed to prevent contamination when not in use. Do not store near heat, open flames or strong oxidants. Store containers in an adequately ventilated area, protected against the sun (under a roof) and direct exposure to the weather (rain, storms, etc.). Do not store the product at temperatures below its freezing point.

Specific end uses: Industrial uses (SU3); Use in closed, continuous process with occasional controlled exposure (PROC2); Industrial use of substances in closed systems (ERC7); Washing and cleaning products, including solvent based products (PC35). No Exposure Scenario is available for this mixture.

8. Exposure controls and personal protection

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Control parameters: Component substances with Workplace Exposure Limits

Component substance	LTEL, ppm	8hr.TWA mg/m3	STEL ppm	Time mg/m3	Authority
2-(2-butoxyethoxy)ethanol	10	67.5	15	101.2 15 mins.	UKHSE EH40/2005

2-(2-butoxyethoxy)ethanol (EC No. 203-961-6):

Derived No Effect Level (DNEL) -Industry Dermal Long Term 20 mg/kg/day

DNEL -Industry Inhalation Long Term 67.5 mg/m3

Exposure controls:

Wear suitable protective clothing, including eye/face protection and gloves.

Protective gloves must be used if there is a risk of direct contact or splash. Nitrile rubber offers best long-term protection, be aware that the liquid may penetrate the gloves. Frequent change is advisable.

Manufactured/tested in accordance with EN 374.

If ventilation is insufficient, adequate respiratory protection must be provided. At work in confined or poorly

ventilated spaces, respiratory protection with air supply must be used. Where air-filtering respirators are appropriate, select a mask & filter combination suitable for aerosols and vapours such as Type-A or Type -

2, ABEK-2 in accordance with EN 141. Check that mask fits tight and change filter regularly.

9. Physical and chemical properties

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Information on basic physical and chemical properties:

Appearance	Clear, blue, low viscosity liquid at 20oC
Odour	Characteristic, sweet.
Change in physical state	Boiling point approx. 100oC (212°F)
	Pour point -1oC (30°F)

Flash point		>100oC (212°F) (Closed Cup)
Auto-ignition temperature		not determined
Flammability limits in air	LEL	not applicable
(% vol. in air)	UEL	not applicable
Vapour pressure at 20oC (68°F) (non- water fraction)		