Material Safety Data Sheet

Ultrasonic Cleaner (RXSOL-16-3006-025)

1. Product and Company Identifaction

Product Name	:	RXSOL-16-3006-025
Product Type	:	ULTRASONIC CLEANER

Company Details:

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

Stock Point : Mumbai, Kolkata, Chennai, Gandhidham, Visakhapatnam, Fujairah, Muscat, Kenya Africa, Canada

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

2. Composition / informationon ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases*	Symbols
Disodiummetasilicate	0.1-1%	6834-92-0	229-912-9	34,37	C
Fatty alcohol ethoxylate	5-10%	34398-01-1	500-084-3	22, 41	Xi
Alkylglucoside	1-5%	161074-93-7	500-529-1	41	Xi
Sodium Tripolyphosphate	5 - 15%	7758-29-4	231-838-7	36	Xi
Proprietory Blend**	35-40%	----	-----	----	---

Sodium Bicarbonate 144-55-8 205-633-8 1044 33 - 43% HAZARD CLASSIFICATION: None RISK PHRASES: None
Sodium (C10 – C16) Alkylbenzene Sulfonate 68081-81-2 268-356-1 Not Listed 10 – 20% HAZARD CLASSIFICATION: None
RISK PHRASES: None

**
INGREDIENTS:

The identities of the ingredients in this product are proprietary and regarded as a TRADE SECRET as defined in 29 CFR 1910.1200. In the case of a medical emergency, the identities will be divulged to qualified health professionals according to the provisions of 29 CFR 1910.1200 regarding a TRADE SECRET.

This product is a weak organic base in a water system. It contains ionic and nonionic surfactants.

*See Section 16

3. Hazards Identification

Odour	Characteristic Odour
Appearance	Liquid Soluble in water

Contact with eyes	Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
Contact with skin	In cases of severe exposure, irritation may develop
Inhalation	Vapours or aerosols may cause irritation of eyes, nose and respiratory tract. Excessive inhalation may cause irritation
Ingestion	The ingestion of significant quantities may cause gastro-intestinal disturbances Can cause G.I. irritation or ulceration. Ingestion of large quantities can cause muscle paralysis affecting the ability to breathe. May be fatal if ingested.

EMERGENCY OVERVIEW: Clear liquid with a slight ammonia odor.Alkaline pH = ~10. Severe eye irritant. May cause eye damage. Flush eyes for 30 minutes and seek medical attention.

ROUTES OF ENTRY:

eye contact POTENTIAL HEALTH EFFECTS EYES: This product is a weak base (pH-~10).

Direct contact may cause severe irritation and/or burns. Corneal damage is possible and could result in permanent impairment of vision. Concentrated vapors of the undiluted product may irritate the eyes in sensitive individuals.

ACUTE HEALTH HAZARDS: Possible eye damage.

4. First Aid Measures

Contact with skin	Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water Seek medical advice if necessary.
Contact with eyes	If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes.Obtain immediate medical attention.
Ingestion	Never give anything by mouth to an unconscious person Give plenty of water to drink.Obtain immediate medical attentio- Remove patient to fresh air Keep warm and at rest, in a half upright position. Loosen clothing Seek medical attention if irritation persists.
General	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)n. NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: May cause tissue destruction leading to stricture. If lavage is performed, suggest use of an endotrachial and/or esophageal control. There is no specific antidote. Supportive care and treatment must be based on the judgment of the physician in response to the symptoms and reactions of the patient.

5. Fire-fighting Measures

- Smoke from fires is irritating
- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

FLAMMABLE LIMITS IN AIR, UPPER:

(% BY VOLUME) not established LOWER: not established

FLASH POINT: >215 degrees F

AUTOIGNITION TEMPERATURE: not established

HAZARD CLASSIFICATION SYSTEM Based on a review of the undiluted components:

HEALTH: 3 FLAMMABILITY: 1 REACTIVITY: 0 OTHER: NONE

EXTINGUISHING MEDIA: NO SPECIAL CONSIDERATIONS

SPECIAL FIRE FIGHTING PROCEDURES: NO SPECIAL CONSIDERATIONS

UNUSUAL FIRE AND EXPLOSION HAZARDS: NO SPECIAL CONSIDERATIONS

HAZARDOUS DECOMPOSITION PRODUCTS: During a fire, smoke may contain the original materials in addition to unidentified toxic and/or irritating compounds. These may include, but are not limited to, nitrogen oxides, carbon monoxide, and carbon dioxide.

6. Accidental Release Measures

Personal Precautions	Wear protective clothing as per section 8
Environmental Precautions	No special precautions are required for this product
Immediate Actions	Shut off source of leak if safe to do so
Clean Up Actions	Absorb spillage in inert material and shovel up. Flush spill area with copious amounts of water
Special Precautions	Wear protective clothing as per section 8

ACCIDENTAL RELEASE MEASURES: This product is toxic to fish. Take measures to keep the undiluted product from entering sewer systems or bodies of water. Absorbents, dikes, and other appropriate measures should be taken. Contaminated surfaces may be slippery. After containment, dispose according to Section 13. Wear an appropriate respirator with ammonia/methylamine/P100 or combination cartridges for large area spills. Use a supplied air respirator for more extreme circumstances.

7. Handling and Storage

Handling	The usual precautions for handling chemicals should be observed Eyewash bottles should be available.See Section 8
Storage	Keep only in the original container in a cool, well ventilated place (S3/9/49) Protect from frostt

8. Exposure controls and personal protection

Exposure Limits	There are no recommended or established controls for this product
Exposure controls	No special ventilation is required unless the product is used in a spray form
Occupational exposure controls	Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended) No respiratory protection is required unless subject to contact with substance mist

ENGINEERING CONTROLS: No special requirements

VENTILATION: Use in well ventilated areas.

RESPIRATORY PROTECTION: None needed when product is used as intended. Use ammonia/methylamine/P100 or combination cartridges with a full-face respirator if additional protection is desired.

EYE PROTECTION: Use splash-proof goggles when handling this material. Eyewash fountains should be readily available.

SKIN PROTECTION: Wear chemical gloves when handling this material. Materials resistant to weak organic bases should be chosen such as butyl, neoprene, nitrile, or equivalent.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NONE

WORK HYGIENIC PRACTICES: Use caution as with any liquid base of pH = ~10.

EXPOSURE GUIDELINES: No TLV or PEL established for this mixture

9. Physical and chemical properties

Odour	Characteristic odour
Appearance	Liquid, custom, soluble in water
pH	10.5 - 11.5 at 5 - 10 % concentration
Boiling point	100 °C at 760 mm /Hg
Vapour pressure	Not known
Freezing point	0 °C at 760 mm/Hg
Completely soluble in water	
Specific gravity (water=1)	1.03

10. Stability and reactivity

- This article is considered stable under normal conditions

STABILITY: This product is stable under normal conditions of use

CONDITIONS TO AVOID (STABILITY): Do not heat or freeze

INCOMPATIBILITY (MATERIAL TO AVOID): acids, bases, oxidizers, and reducers

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: none known

HAZARDOUS POLYMERIZATION: does not occur

- See Section 5

11. Toxicological information

Toxicological information	No experimental data available
Inhalation	Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
Contact with skin	In cases of severe exposure, redness and irritation may develop
Contact with eyes	Causes irritation
Ingestion	May cause gastro-intestinal disturbances
Carcinogenicity	No evidence of carcinogenic effects

TOXICOLOGICAL INFORMATION: LD50: Based on a review of the data of the components, the LD50 is calculated to be approximately 2500 mg/kg.

SECTION 11 NOTES: This product is a TRADE SECRET as defined in 29 CFR 1910.1200. Because this mixture has not been tested for toxicological properties, 29CFR1910.1200 requires the assumption that the mixture presents the same health hazards as each of the components, if they are present in concentrations greater than 1%. Note that for this mixture, more than 50% of the ingredients by weight are not

hazardous. No single hazardous ingredient is present in concentrations exceeding 10% by weight.

Listed below are the chronic health hazards for all materials present in concentrations greater than 1% and that undiluted have health hazards associated with them. The relevancy to the mixture as a whole or to humans is unknown. Excessive exposure may cause similar effects. In the event of a medical emergency the identity of all the components will be divulged to a qualified medical professional.

The following effects were concluded as a result of laboratory testing of one or more of the individual undiluted components:

May cause severe irritation with corneal injury, which may result in permanent impairment of vision, even blindness.

Ingestion may cause irritation or burns of the mouth and throat.

In animals, effects have been reported in kidneys and liver.

In animals, birth defects have been observed only in exaggerated doses that were toxic to the mother.

Prolonged inhalation may cause drowsiness, lassitude, and inability to concentrate.

12. Ecological information

Ecotoxicity	This product does not contain ingredients which are classified in the EU as dangerous for the environment.
Mobility	Completely soluble in water
Persistence and Biodegradability	Its main ingredients will either dissolve rapidly and dissociate in water or are readily/inherently biodegradable.
Bioaccumulation Potential	Bioaccumulation of the components in this product is insignificant.
Other Adverse Effects	No environmental problems are expected when the product is used / handled correctly.

13. Disposal considerations

Classification	EU Waste class
Disposal Considerations	Do not discharge into drains or the environment, dispose to an authorised waste collection point Disposal should be in accordance with local, state or national legislation

14. Transport information

U.S. DEPARTMENT OF TRANSPORTATION

This material is not classified as hazardous according to DOT regulations as found in 49 CFR Part 173. This product has been tested as described in 49 CFR 173.136 and 49 CFR 173.137 using the required procedures from OECD 404 for corrosivity.

OTHER AGENCIES: This material is classified as hazardous according to the OSHA Hazard Communication regulation 29 CFR 1910.1200.

15. Regulatory information

Risk Phrases	Irritating to eyes (R36)
Safety Phrases	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26).Wear suitable gloves and eye/face protection (S37/39)

16. Other information

Text of R and S phrase codes used in this safety data sheet:-
R22: Harmful if swallowed;
R34: Causesburns;
R36: Irritating to eyes;
R37: Irritating to respiratory system;
R41: Risk of serious damage to eyes
The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer.

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