Material Safety Data Sheet

Orange BAHE Cleaner (RXSOL-39-8347-210)

1. Product and Company Identifaction

Product Name	**RXSOL-39-8347-210**
Product Type	**Orange BAHE Cleaner**

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

Stock Point: Mumbai, Kandla, Kolkata, Chennai, Vizag, Fujairah, Muscat, Nairobi

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2. Composition / informationon ingredients

Ingredient	CAS No.	% (w/w)
Orange, sweet, ext	8028-48-6	60-70
Proprietory wetting and cleaning agents	-	>40

3. Hazards Identification

Recommended use: cleaning product for aluminum fins in Brazed Aluminum Heat Exchanger (BAHE) applications. Uses advised against: consumer use.
GHS classification: Aspiration Toxicity Category 1; Skin Corrosion/Irritation Category 2; Skin Sensitization Category 1; Acute Aquatic Toxicity Category 1; Chronic Aquatic Toxicity Category 1; Flammable Liquid Category 3.
Signal word: DANGER.
Hazard statements: H304 May be fatal if swallowed and enters airways; H315 Causes skin irritation; H317 May cause an allergic skin reaction; H410 Very toxic to aquatic life with long lasting effects; H226 Flammable liquid and vapor.
Precautionary statements include: P301+P310, P280, P302+P352, P333+P313, P370+P378, P501 and other applicable GHS precautions.

4. First Aid Measures

Inhalation: Remove person to fresh air. Get medical attention if irritation or symptoms occur.
Ingestion: Do not induce vomiting. Rinse mouth and seek medical attention.
Skin contact: Wash with soap and water. Remove contaminated clothing. Get medical attention if irritation or allergic reaction occurs.
Eye contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Get medical attention.

5. Fire-fighting Measures

Suitable extinguishing media: Dry sand, dry chemical or alcohol-resistant foam.
Unsuitable extinguishing media: Solid water stream.
Special hazards: Flammable liquid and vapor. Vapors may be heavier than air. Combustion may produce carbon oxides.
Firefighter protection: Use self-contained breathing apparatus and full protective gear.

6. Accidental Release Measures

Personal precautions: Evacuate unnecessary personnel, remove ignition sources and use suitable personal protective equipment.
Environmental precautions: Do not allow material to enter drains, water courses or soil.
Containment and cleanup: Absorb with earth, sand or other non-combustible absorbent material. Use non-sparking tools and ground containers where required. Collect for disposal according to local regulations.

7. Handling and Storage

Handling: Avoid contact with skin and eyes. Do not breathe vapors. Avoid spills and keep away from ignition sources. Use only with adequate ventilation.
Hygiene: Do not smoke, eat or drink while handling. Wash hands after use and remove contaminated clothing.
Storage temperature: -10 to 27 C.
Storage precautions: Keep container closed in a dry, cool and well-ventilated area. Store away from ignition sources and oxidizing agents.
Storage class: flammable liquid storage.

8. Exposure controls and personal protection

Occupational exposure limits: No substances with occupational exposure limits.
Eye protection: Use EN166 safety goggles or safety glasses.
Hand protection: Nitrile gloves, 0.4 mm, breakthrough time greater than 480 minutes.
Respiratory protection: If ventilation is insufficient, use an organic vapor filter, type A, brown.
Skin and body protection: Wear appropriate protective clothing.

9. Physical and chemical properties

Physical state	Liquid
Appearance	Clear
Color	Colorless
Odor	No information
pH	No information
Flash point	43 C
Density	0.92 g/cm3 at 20 C
Water solubility	Insoluble
Explosive properties	Vapors may form explosive mixtures with air
Oxidizing properties	None known

10. Stability and reactivity

Reactivity: Flammable liquid and vapor.
Chemical stability: Stable under normal conditions.
Hazardous polymerization: Does not occur.
Conditions to avoid: Heat, flames, ignition sources, static discharge and temperature above 27 C.
Incompatible materials: Oxidizing agents.

11. Toxicological information

Inhalation: May cause respiratory irritation.
Eye contact: May cause slight irritation.
Skin contact: Causes skin irritation and may cause an allergic skin reaction.
Ingestion: May be fatal if swallowed and enters airways; aspiration hazard.
LD50 oral: >5000 mg/kg, rabbit.
LD50 dermal: >3160 mg/kg, rabbit.
LC50 inhalation: 41-4467 ppm, rat, 8 h.
Sensitization: May cause an allergic skin reaction.
Mutagenic, carcinogenic and reproductive effects: Not known.

12. Ecological information

Aquatic toxicity: Very toxic to aquatic life with long lasting effects.
Fish toxicity: 2.76 mg/L LC50, 96 h.
Algae toxicity: 4.3 mg/L EC50, 72 h.
Daphnia toxicity: 16 mg/L LC50, 48 h.
Persistence and degradability: Inherently biodegradable.
Bioaccumulation: No data available.
Mobility: Insoluble in water.

13. Disposal considerations

Waste treatment: Dispose of product and waste in accordance with local, regional and national regulations.
Contaminated packaging: Do not burn. Empty containers may contain flammable or explosive vapors. Handle contaminated packaging with the same precautions as the product.

14. Transport information

Not classified as hazardous for transport.

Transport over land ADR/RID : Not classified as hazardous for transport

15. Regulatory information

Classification and labelling	Not classified as hazardous for users- S2 : Keep out of reach of children S26 : Incase of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 : After contact with skin, wash immediately with plenty of water. S37/39 : Wear suitable gloves and eye/face protection.

16. Other information

Revision date: No data available.
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