Material Safety Data Sheet

FORE & AFT (RXSOL-16-3012-020)

1. Product and Company Identifaction

Product Name	FORE & AFT
Product Type	RXSOL-16-3012-020

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

Phone	+91 22 65113333/ 5555 / 9999 / 27611360 / 27815540
Fax	+91 22 2781 1318 :::AOH :0091 9322594669
Email	mail@rxmarine.com

2. Composition / informationon ingredients

Components

Material	CAS Number
Alcohol Ethoxylate	68439-46-3
Disodium Meta Silicate	6834-92-0
Propylene Glycol n-Butyl Ether	5131-66-8
Sodium Carbonate	497-19-8
Mixture of Alkylglucocide	161074-93-7
2-2(butoxyethoxy)ethanol	112-34-5

3. Hazards Identification

Potential Health Effects

Inhalation: May cause respiratory irritation.

Skin Contact: May cause skin irritation. There are no reports of human sensitization.

Eye Contact: May cause eye irritation. Ingestion: Harmful if swallowed.

Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

4. First Aid Measures

First Aid

INHALATION

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

SKIN CONTACT : In case of contact, immediately flush skin with plenty of water for at least 15 minutes, while removing contaminated clothing and shoes. Call a physician. Wash contaminated clothing before reuse.

EYE CONTACT : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

INGESTION : If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

Notes to Physicians : Activated charcoal mixture may be beneficial. Suspend 50 g activated charcoal in 400 mL water and mix well. Administer 5 mL/kg, or 350 mL for an average adult.

5. Fire-fighting Measures

Flammable Properties : Not a fire or explosion hazard.

Extinguishing Media : Use media appropriate for surrounding material.

Fire Fighting Instructions : Evacuate personnel to a safe area. Wear self-contained breathing apparatus (SCBA) and full protective equipment.

6. Accidental Release Measures

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Initial Containment

Dike spill.

Spill Clean Up

Dispose of in an approved container.

7. Handling and Storage

Handling (Personnel) : Avoid inhalation. Do not get in eyes, on skin or clothing. Wash thoroughly after handling. Wash clothing after use.

Handling (Physical Aspects) : Keep container tightly closed.

Storage : Store in a cool, dry place. Avoid freezing or extended storage in high temperatures.

8. Exposure controls and personal protection

Physical Data

Boiling Point : 100 C (212 F)

pH : 11.5-12.5

Odor : Mild.

Form : Liquid.

Color : Clear (slightly hazy).

Specific Gravity : 1

Where there is potential for skin contact, have available and wear as appropriate impervious gloves, apron or smock. Exposure Guidelines Applicable Exposure Limits Monoethanolamine

PEL (OSHA) : 3 ppm, 6 mg/m3, 8 Hr. TWA

TLV (ACGIH) : 3 ppm, 7.5 mg/m3, 8 Hr. TWA STEL 6 ppm, 15 mg/m3

AEL * (DuPont) : 3 ppm, 8 & 12 Hr. TWA Propylene Glycol n-Butyl Ether

AEL * (DuPont) : 50 ppm, 8 & 12 Hr. TWA* AEL is DuPont’s Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

9. Physical and chemical properties

Boiling Point :	100 C (212 F)
pH :	11.5-12.5
Odor :	Mild.
Form :	Liquid.
Color :	Yellow (slightly).
Specific Gravity :	1

10. Stability and reactivity

Chemical Stability: Stable.

Incompatibility with Other Materials: Incompatible or can react with acids, strong oxidizers.

Decomposition: Thermal decomposition may produce carbon dioxide, carbon monoxide.

11. Toxicological information

11.1 Information on toxicological effects

- LD50 (oral,rat) (Alcoholethoxylate) >300 mg/kg
- LD50 (oral,rat) (Alkylglucoside) 2000-5000 mg/kg 11.2 Contact with eyes

- May cause irritation 11.3 Contact with skin
- In cases of severe exposure, irritation may develop 11.4 Ingestion
- The ingestion of significant quantities may cause gastro-intestinal disturbances 11.5 Inhalation
- Vapours or aerosols may cause irritation of eyes, nose and respiratory tract

12. Ecological information

12.1 Toxicity

- LC50 (fish) (alcoholetoxylate) 1-10 mg/l (96 hr)
- LC50 (fish) (Alkylglucoside) 558 mg/l (96 hr)
- LC50 (fish) (2-(2-buthoxyetoxy)ethanole) >2500 mg/l (96 hr)
- Biodegradability. OECD-test. 28 days >60 % (Alkyl glucoside)
- Biodegradability. OECD-test. 28 days >60 % (2-(2-Buthoxyethoxy)etanol)

- "In general, this cleaning agent poses little danger to the environment, its main ingredients will either dissolve rapidly and dissociate in water or are readily/inherently biodegradable."

- This product does not contain ingredients which are classified in the EU as dangerous for the environment.

12.2 Persistence and degradability

- The components in this product are readily biodegradable. 12.3 Bioaccumulation Potential

- Bioaccumulation of the components in this product is insignificant. 12.4 Mobility in soil

- Completely soluble in water

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

13. Disposal considerations

Waste Disposal : Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

14. Transport information

Shipping Information : Not Regulated as a hazardous material by DOT, IMO, or IATA.

15. Regulatory information

Inventory Status : Listed.

16. Other information

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

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