Material Safety Data Sheet

ORG MC 882 Membrane Cleaner (RXSOL-33-3324-025)

1. Product and Company Identifaction

Product Name	ORG MC 882
Product Type	RXSOL-33-3324-025

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

Stock Point ::: Mumbai, Gandhidham, Chennai, Kolkata, Visakhapatnam, Fujairah, Barka - Muscat

Phone	+91 22 27815540 / 41 / 42
Fax	+91 22 2781 1318 :::AOH :0091 9322594669
Email	mail@rxmarine.com

2. Composition / informationon ingredients

Information for specific product ingredients as required by the U.S. OSHA HAZARD COMMUNICATION STANDARD is listed. Refer to additional sections of this MSDS for our assessment of the potential hazards of this formulation.

HAZARDOUS INGREDIENTS:

Cas#	Chemical Name	Range(w/w%)
77-92-9	CITRIC ACID	15-40
Proprietory	Proprietroy Blend of Acid Inhibitor and Polymer	20 - 30
Proprietory	Surfactant - Scale Dissolver	20 - 30

3. Hazards Identification

EMERGENCY OVERVIEW:
WARNING:
May cause moderate irritation to the skin. Severe irritant to the eyes. Mists/aerosols may cause irritation to upper respiratory tract.
DOT hazard is not applicable

Odor:
Slight;

Appearance:
Light Yellow To Amber, Liquid Fire fighters should wear positive pressure self-contained breathing apparatus(full face-piece type). Proper fire-extinguishing media: dry chemical, carbon dioxide, foam or water

POTENTIAL HEALTH EFFECTS:

ACUTE SKIN EFFECTS:	Primary route of exposure; May cause moderate irritation to the skin.
ACUTE EYE EFFECTS:	Severe irritant to the eyes.
ACUTE RESPIRATORY EFFECTS:	Mists/aerosols may cause irritation to upper respiratory tract.
NGESTION EFFECTS:	May cause gastrointestinal irritation with possible nausea,vomiting, abdominal discomfort and diarrhea.
TARGET ORGANS:	No evidence of potential chronic effects
MEDICAL CONDITIONS AGGRAVATED:	Not known.

SYMPTOMS OF EXPOSURE:	May cause redness or itching of skin, irritation, and/or tearing of eyes (direct contact).

4. First Aid Measures

SKIN CONTACT:	Wash thoroughly with soap and water. Remove contaminated clothing.Thoroughly wash clothing before reuse. Get medical attention if irritation develops or persists.
EYE CONTACT:	Remove contact lenses. Hold eyelids apart. Immediately flush eyes with plenty of low-pressure water for at least 15 minutes. Get immediate medical attention.
INHALATION:	If nasal, throat or lung irritation develops - remove to fresh air and get medical attention.
INGESTION:	Do not feed anything by mouth to an unconscious or convulsive victim. Do not induce vomiting. Immediately contact physician.Dilute contents of stomach using 2-8 fluid ounces (60-240 mL) of milk or water.
NOTES TO PHYSICIANS:	No special instructions

5. Fire-fighting Measures

FIRE FIGHTING INSTRUCTIONS:	Fire fighters should wear positive pressure self-contained breathing apparatus (full face-piece type).
EXTINGUISHING MEDIA:	dry chemical, carbon dioxide, foam or water
HAZARDOUS DECOMPOSITION PRODUCTS:	oxides of carbon and sulfur
FLASH POINT:	> 200F > 93C P-M(CC)

6. Accidental Release Measures

PROTECTION AND SPILL CONTAINMENT:
Ventilate area. Use specified protective equipment. Contain and absorb on absorbent material. Place in waste disposal container. Flush area with water. Wet area may be slippery. Spread sand/grit.

DISPOSAL INSTRUCTIONS:
Water contaminated with this product may be sent to a sanitary sewer treatment facility,in accordance with any local agreement,a permitted waste treatment facility or discharged under a permit. Product as is - Incinerate or land dispose in an approved landfill.

7. Handling and Storage

HANDLING:
Acidic. Do not mix with alkaline material.

STORAGE:
Keep containers closed when not in use. Do not freeze. If frozen, thaw and mix completely prior to use.

8. Exposure controls and personal protection

EXPOSURE LIMITS:
CHEMICAL NAME:
CITRIC ACID:

PEL (OSHA):	NOT DETERMINED
TLV (ACGIH):	NOT DETERMINED

ENGINEERING CONTROLS:	Adequate ventilation
PERSONAL PROTECTIVE EQUIPMENT:	Use protective equipment in accordance with 29CFR 1910 Subpart I

RESPIRATORY PROTECTION:	A RESPIRATORY PROTECTION PROGRAM THAT MEETS OSHA'S 29 CFR 1910.134 AND ANSI Z88.2 REQUIREMENTS MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT A RESPIRATOR'S USE. USE AIR PURIFYING RESPIRATORS WITHIN USE LIMITATIONS ASSOCIATED WITH THE EQUIPMENT OR ELSE USE SUPPLIED AIR-RESPIRATORS. If air-purifying respirator use is appropriate, use any of the following particulate respirators: N95, N99, N100, R95, R99, R100, P95, P99 or P100.
SKIN PROTECTION:	rubber, butyl, viton or neoprene gloves -- Wash off after each use. Replace as necessary.
EYE PROTECTION:	splash proof chemical goggles

9. Physical and chemical properties

Information on basic physical and chemical properties:

Specific Grav.(70F,21C)	1.082
Vapor Pressure (mmHG)	~ 18.0
Freeze Point (F)	27
Vapor Density (air=1)	1.00
Freeze Point (C)	-3
Viscosity(cps 70F,21C)	10 %
Solubility (water)	100.0
Odor	Slight
Appearance	Light Yellow To Amber
Physical State	Liquid
Flash Point P-M(CC)	P-M(CC) > 200F > 93C
pH As Is (approx.)	1.2
Evaporation Rate (Ether=1)	1.00
Percent VOC:	0.0

NA = not applicable

ND = not determined

10. Stability and reactivity

STABILITY:	Stable under normal storage conditions.
HAZARDOUS POLYMERIZATION:	Will not occur.
INCOMPATIBILITIES:	May react with strong oxidizers.
DECOMPOSITION PRODUCTS:	oxides of carbon and sulfur
INTERNAL PUMPOUT/CLEANOUT CATEGORIES:	"B"

11. Toxicological information

Oral LD50 RAT: NOTE - Estimated value	>2,000 mg/kg
Dermal LD50 RABBIT: Estimated value	>2,000 mg/kg

12. Ecological information

AQUATIC TOXICOLOGY:
Daphnia magna 48 Hour Acute Toxicity (Estimated)
LC50= 600; No Effect Level= 150 mg/L
Fathead Minnow 96 Hour Acute Toxicity (Estimated)
LC50= 330 mg/L

BIODEGRADATION:
BOD-28 (mg/g): 91
BOD-5 (mg/g): 79
COD (mg/g): 166
TOC (mg/g): 73

13. Disposal considerations

If this undiluted product is discarded as a waste, the US RCRA hazardous waste identification number is :
D002=Corrosive(pH).

Please be advised; however, that state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Consult state and local regulations regarding the proper disposal of this material.

14. Transport information

DOT HAZARD:
Not Applicable

PROPER SHIPPING NAME:
DOT EMERGENCY RESPONSE GUIDE #:
Not applicable

Note:
Some containers may be DOT exempt, please check BOL for exact container classification

15. Regulatory information

TSCA:	All components of this product are included on or are in compliance with the U.S. TSCA regulations.
CERCLA AND/OR SARA REPORTABLE QUANTITY (RQ):	No regulated constituent present at OSHA thresholds
FOOD AND DRUG ADMINISTRATION:	21 CFR 176.170 (components of paper and paperboard in contact with aqueous and fatty foods)
SARA SECTION 312 HAZARD CLASS:	Immediate(acute)
SARA SECTION 302 CHEMICALS:	No regulated constituent present at OSHA thresholds
SARA SECTION 313 CHEMICALS:	No regulated constituent present at OSHA thresholds
CALIFORNIA REGULATORY INFORMATION CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):	No regulated constituents present
MICHIGAN REGULATORY INFORMATION	No regulated constituent present at OSHA thresholds

16. Other information

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.

DISCLAIMER OF LIABILITY :The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.