

## 1. Product and Company Identification

www.rxmarine.com

Product Name                      CORIN 303 Corrosion Inhibitor Pkr. Fluid  
Part Number                        RXSOL-81-8187-210

### Company Details:

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

Stock Point ::: Mumbai, Muscat, Fujairah, Gandhidham, Vizag, Chennai, Kolkata, Canada, Nairobi

Phone                                +91 22 65113333 / 5555 / 9999  
Fax                                    +91 22 2781 1318 :::AOH :0091 9821214367  
Email                                [123@rxmarine.com](mailto:123@rxmarine.com)  
Website                              [www.rxmarine.com](http://www.rxmarine.com)

## 2. Composition / Information on ingredients

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Component	CAS-No.	Weight %	Health	Risk
Morpholine process residue	68909-77-3	30-60%	Xi	36/38
Proprietary Ingredients	NA	40-70%		

## 3. Hazards Identification

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### EMERGENCY OVERVIEW:

**CAUSES EYE AND SKIN IRRITATION.** Avoid contact with eyes and skin and clothing. Do not take internally. Wash thoroughly after handling. This product is a dark brown liquid Dike and contain spills. Keep out of sewers and waterways. Do not add nitrites - may form suspected cancer causing nitrosamines.

### ACUTE EFFECTS:

**INHALATION:** Irritating to the respiratory tract if inhaled.  
**INGESTION:** May cause gastric distress, nausea and vomiting if ingested.  
**SKIN:** Severely irritating to the skin.  
**EYES:** Severely irritating to the eyes. May cause severe eye injury.

## 4. First Aid Measures

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**General advice :** Move out of dangerous area. Show this material safety data sheet to the doctor in attendance. Do not leave the victim unattended.

**If inhaled :** Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Get medical attention.

**In Case of Skin contact :** Wash skin thoroughly with soap and water. Remove contaminated clothing. Get medical attention if any discomfort continues.

**In case of eye contact :** Promptly wash eyes with lots of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

**If swallowed :** If swallowed, Drink a couple of glasses water or milk. Do NOT induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. Get medical attention.

## 5. Fire-fighting Measures

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FLASH POINT (°F)	:306 METHOD: PM Closed cup.
AUTO IGNITION TEMP. (°F)	:Not Determined
FLAMMABILITY LIMIT - LOWER(%)	:Not Determined
FLAMMABILITY LIMIT - UPPER(%)	:Not Determined

**EXTINGUISHING MEDIA:** Carbon dioxide (CO<sub>2</sub>). Dry chemicals. Foam. Water spray, fog or mist.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear positive-pressure, self-contained breathing apparatus(SCBA) and protective fire fighting clothing (including fire fighting helmet, coat, pants, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

**UNUSUAL FIRE & EXPLOSION HAZARDS:** No unusual fire or explosion hazards noted.

**HAZARDOUS COMBUSTION PRODUCTS:** Irritating gases/vapors/fumes. Ammonia or amines. Aldehydes. Ketones. Oxides of: Carbon. Nitrogen.

## 6. Accidental Release Measures

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**PERSONAL PRECAUTIONS:** Wear proper personal protective equipment (see MSDS Section 8).

**SPILL CLEAN-UP PROCEDURES:** Absorb in vermiculite, dry sand or earth and place into containers. Rinse area with water. Dike far ahead of larger spills for later disposal. Do not contaminate drainage or waterways.

## 7. Handling and Storage

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**Handling:** Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level. Wear full protective clothing for prolonged exposure and/or high concentrations. Eye wash and emergency shower must be available at the work place. Wash hands often and change clothing when needed.

**Storage :** Store at moderate temperatures in dry, well ventilated area. Keep in original container.

## 8. Exposure controls and personal protection

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**INGREDIENT COMMENTS:** Exposure limits for Particulates Not Otherwise Classified (PNOC) apply to dust/mist/aerosol of the proprietary ingredients this product. \* Exposure limit is for morpholine.

**ENGINEERING CONTROLS:** Use appropriate engineering controls such as, exhaust ventilation and process enclosure, to reduce air contamination and keep worker exposure below the applicable limits.

**VENTILATION:** Supply natural or mechanical ventilation adequate to exhaust airborne product and keep exposures below the applicable limits.

**RESPIRATORS:** If exposed to particulates/aerosols: Use at least a NIOSH-approved N 95 half-mask disposable or reusable particulate respirator. If exposed to organic vapors: In work environments containing oil mist/aerosol use at least a NIOSH-approved P95 half-mask disposable or reusable particulate respirator. Use a NIOSH/MSHA-approved organic vapor respirator. CCROV: CCR with organic vapor cartridge.

**PROTECTIVE GLOVES:** Chemical resistant gloves required for prolonged or repeated contact. Use protective gloves made of: Impermeable material. Such as, Neoprene, nitrile, polyethylene or PVC.

**EYE PROTECTION:** Wear chemical safety goggles where eye exposure is reasonably probable.

**PROTECTIVE CLOTHING:** Wear appropriate clothing to prevent repeated or prolonged skin contact.

**HYGIENIC WORK PRACTICES:** Wash promptly with soap and water if skin becomes contaminated. Change work clothing daily if there is any possibility of contamination.



Gloves Suit

## 9. Physical and chemical properties

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Appearance/Physical State	:Liquid.
Color	:Dark. Brown.
Odor	:Ammonia
Solubility Description	:Soluble In Water.
Boiling Point (°F, Interval)	:760mmhg
Density/Specific Gravity	:1.04 - 1.08
Vapor Density (Air=1)	:>1
Vapor Pressure	