RXSOL

CHEMO PHARMA INTERNATIONAL

Material Safety Data Sheet (MSDS)

RXSOL-33-3337-025
Antiscalant Antifoulant Corrosion Inhibitor 704

1. Product and Company Identifaction

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Product Name	Antiscalant / Antifoulant - Corrosion Inhibitor 704
Part Number	RXSOL-33-3337-025

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

Stock Pont : Mumbai, Kandla, Chennai, Kolkata, Visakhapatnam, Fujairah, Muscat

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Email	**123@rxmarine.com**
Website	**www.rxmarine.com**

2. Composition / Information on ingredients

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Name of Substance	Cas Number	EC Number	Wight %
Disodium phosphonate	13708-85-5	------	2 - 10%
Phosphonic Acid Derivative Compound	Proprietory	Proprietory	
Proprietory Non Hazardous Ingirdent and Multipolymer			90 - 95%

Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

3. Hazards Identification

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Signal Word	Warning
Hazard Statements	May be corrosive to metals.
Precautionary statements - prevention	Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection.
Precautionary statements - response	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Physical Hazards Summary	Metal Corrosion, Category 1
Potential Health Hazards Summary	Eye Irritation Category 2A H319 Causes serious eye irritation H290 May cause corrosion to metals
Potential Ecological Effects Summary	None
U.S. OSHA classification	Eye irritant
Classification as per EC 1272/2008 (CLP/GHS)	EC 1272/2008 Eye Irritation Category 2A (CLP/GHS) H319 Causes serious eye irritation
(CLP/GHS)	H319 Causes serious eye irritation
WHMIS classification	E Corresive
Other hazards	No data is available on this product.
General Warnings	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103Read label before use
Hazard statements	H290 May cause corrosion to metals H 319 Causes serious eye irritation
Precautionary statements	P271 Use only outdoors or in a well-ventilated area P281 Use personal protective equipment as required. P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Remove contact lenses, if present and easy to do P302/P352 you feel unwell. P261 P305 + P351 + P338 : P261 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. . . Continue rinsing
Hazard pictograms	Unclassified Hazards Ingredients with unknown acute toxicity

4. First Aid Measures

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Eye Contact	Rinse with water. Get medical attention if irritation develops and persists.
Skin Contact	In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used.Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Inhalation:	Move to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur.
Ingestion:	Do not induce vomiting. Obtain medical attention.If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.
Notes to Physician	Treat symptomatically

Skin exposure	If this product contaminates the skin, immediately begin decontamination with running water. Remove exposed or contaminated clothing, taking care not to contaminate eyes. Victim should seek immediate medical attention if any adverse exposure symptoms develop.
Eye exposure	If this product enters the eyes, open victim's eyes while under gently running water. Use sufficient force to open eyelids. Have victim "roll" eyes. Minimum flushing is for 15 minutes. Victim must seek medical attention.

Inhalation:	If vapors, mists, or sprays of this product are inhaled, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Remove or cover gross contamination to avoid exposure to rescuers.
Ingestion:	If this product is swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. DO NOT INDUCE VOMITING. Have victim rinse mouth with water, if conscious. Never induce vomit

5. Fire-fighting Measures

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Flammability	Non-flammable.
Flash Point	Not applicable.
Suitable extinguishing media	No information available
Hazardous combustion products	During fire, gases hazardous to health may be formed.
Protective Equipment	In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Cool containers / tanks with water spray.
Specific Hazards Arising from the Chemical	Not considered to be a significant fire risk.

6. Accidental Release Measures

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Small Spillage	Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements
Large Spillage	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb spillage to prevent material damage. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.
Personal Protection	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8.
Enviromental Precaution	Do not let product enter drains.
Methods and materials for containment and cleaning	Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts

7. Handling and Storage

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Handling	Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Use care in handling/storage.In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents,.
Storage	Store in a cool, dry place out of direct sunlight. Keep only in the original container. Store away from incompatible materials (see Section 10 of the SDS). Store in accordance with local/regional/national/international regulation.
Advice on general occupational hygiene	Advice on safe handling Observe label precautions. Change contaminated clothing. Wash hands after working with substance.

8. Exposure controls and personal protection

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Engineering Control	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Personal Protection	**Eye/face Protection** : Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. **Skin and body protection** : Wear appropriate protective gloves and clothing to prevent skin exposure. **Respiratory Protection** : Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator exposure limits are exceeded or if irritation or other symptoms are experienced.
Other Protection Measure	Handle in accordance with good industrial hygiene and safety practice.
Exposure Limit	No exposure limits noted for ingredient(s).
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Gloves

Suit

9. Physical and chemical properties

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Form	Liquid
Colour	Clear
Odour	Slight amine
Odor Threshold	No Information Available
pH	3-6
Freezing Point	-5 °C
Boiling Point	102°C
Flash Point	Not Applicable
Evaporation Rate	< 1 (Ether = 1)
Flammability (solid, gas)	No Data Available
Explosive limits	No Data Available
Vapour pressure	18 mm Hg
Vapor pressure temp	70 °F (21 °C)
Vapour Density	< 1 (Air = 1)
Specific Gravity	1.13 - 1.14 at 25 °C
Partition coefficient	No data available
Explosive properties	None
Solubility	Soluble in water

Ignition temperature	Not available

10. Stability and reactivity

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Recativity	May be corrosive to metals.
Stability	Product is stable.
hazardous Decomposition	No hazardous decomposition products are known.
Conditions to avoid	Strong Heating
Incompatible materials	Strong oxidizing agents. Metals
Hazardous Polymerization	Hazardous polymerization does not occur.

11. Toxicological information

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Rout Of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Toxicity to Animal	Dermal LD50 Rabbit > 5000 mg/kg, (Calculated according to GHS additivity formula) Inhalation LC50 Rat > 5 mg/l, 4 Hour, (Calculated according to GHS additivity formula) Oral LD50 Rat > 5000 mg/kg, (Calculated according to GHS additivity formula)
Toxic Effects on Humans	**Inhalation** : No adverse effects due to inhalation are expected. **Skin contact** : Prolonged or repeated contact may cause transient irritation. **Eye contact** : Direct contact with eyes may cause temporary irritation. **Ingestion** : Expected to be a low ingestion hazard.
Special Remarks on other Toxic Effects on Humans:	**Skin corrosion/irritation** : Prolonged skin contact may cause temporary irritation. **Serious eye damage/eye irritation :** Direct contact with eyes may cause temporary irritation.**Respiratory or skin sensitization :** Respiratory sensitization This product is not expected to cause respiratory sensitization. **Skin sensitization :** This product is not expected to cause skin sensitization. No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. **Germ cell mutagenicity :** Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

12. Ecological information

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Eco Toxicity	Not Available
COD and BOD 5	COD (mgO2/g) 65 (calculated data) TOC (mg C/g) 22 (calculated data)
Products of Biodegradation:	No Information available
Mobility in soil	No Information available
Results of PBT and vPvB assessment	Substance(s) in the mixture do(es) not meet the criteria for PBT or vPvB .
Other adverse effects	Discharge into the environment must be avoided.

13. Disposal considerations

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Waste treatment Method	Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself

14. Transport information

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DOT

UN Number	UN 3267
Proper shipping name	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (PHOSPHONIC ACID, [NITRILOTRIS(METHYLENE)]TRIS, SODIUM SALT)
Hazard Class	8
Packing group	III

TDG

UN Number	UN 3267
Proper shipping name	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (PHOSPHONIC ACID, [NITRILOTRIS(METHYLENE)]TRIS, SODIUM SALT)
Hazard Class	8
Packing group	III

IATA

UN Number	UN 3267
Proper shipping name	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (PHOSPHONIC ACID, [NITRILOTRIS(METHYLENE)]TRIS, SODIUM SALT)
Hazard Class	8
Packing group	III

IMDG/IMO

UN Number	UN 3267
Proper shipping name	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (PHOSPHONIC ACID, [NITRILOTRIS(METHYLENE)]TRIS, SODIUM SALT)
Hazard Class	8
Packing group	III

15. Regulatory information

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Fedral and State Regulation	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
Other Regulation	Not Regulated
WHMIS (Canada)	Not Regulated
DSCL (EEC)	R36- Irritating to eyes. S2- Keep out of the reach of children. S24/25- Avoid contact with skin and eyes. S46- If swallowed, seek medical advice immediately and show this container or label.

HMIS	
Health Hazard	: 1
Fire Hazard	: 0
Reactivity	: 0
Personal Protection	: H

Fire :	
Health Hazard	: 1
Fire Hazard	: 0
Reactivity	: 0
Specific Hazard	: H

16. Other information

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Other Information	The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if **RX Marine International** has been advised of the possibility of such damages. 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.

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