Material Safety Data Sheet

Corroision Inhibitor KGS 7 (RXSOL-81-8277-210)

1. Product and Company Identifaction

Product Name	Corroision Inhibitor KGS 7
Part Number	RXSOL-81-8277-210

Company Details:
RX MARINE INTERNATIONAL
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2. Composition / informationon ingredients

Name of Substance	Weight %	TLV
Isopropyl alcohol	1 - 5%	400 PPM
Thiourea	1 -5 %	Not established
Alkylpyridinium Salts	10 -30%	Not established
Oxyalkylated alkylphenols	1 - 5 %	Not established

3. Hazards Identification

Signal Word	None
Hazard Statements	H335 May cause respiratory irritation.
Precautionary statements - prevention	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

4. First Aid Measures

Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. In the case of contact with eyes, rinse imme diately with plenty of water and seek medical advice.
Inhalation:	If not breathing, give artificial respiration. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Move to fresh air. Immediate medical attention is required.
Ingestion:	If ingested : Harmful. May cause headache, gastrointestinal disturbances, dizziness and nausea.
Notes to Physician	Treat symptomatically

5. Fire-fighting Measures

Flash Point	NA

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Cool closed containers exposed to fire with water spray.
Flammability Limit (% by vol. in air)Lower(LEL)	No information available
Flammability Limit (% by vol. in air) Upper (UEL)	No information available
Sensitivity to Static Discharge	No information available
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use SCBA. keep fire exposed containers cool using water spray
Other fire or explosion hazards :	None known.

6. Accidental Release Measures

Small Spillage	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Personal Protection	Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Remove all sources of ignition. Take precautionary measures against static discharges.
Enviromental Precaution	Environmental Precautions Should not be released into the environment. Do not flush into surface water or sanitary sewer system.
Methods and materials for containment and cleaning	Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

7. Handling and Storage

Handling	Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Use only under a chemical fume hood. Do not breathe vapors or spray mist. Do not ingest. Keep away from open flames, hot surfaces and sources of ignition. Use only non-sparking tools. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Take precautionary measures against static discharges.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition.
Hygiene measures	Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

8. Exposure controls and personal protection

Engineering Control	Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location. Use explosion-proof electrical/ventilating/lighting/equipment
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. Long sleeved clothing.Flame retardant antistatic protective clothing. 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 if exposure limits are exceeded or if irritation or other symptoms are experienced.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.
Exposure Limits	None



Gloves



Suit

9. Physical and chemical properties

Form	Liquid
Colour	Drak Red / Brown
Odour	Caracteristic Oour
pH	3
Freezing Point	NDA
Boiling Point	NDA
Flash Point	NA
Evaporation Rate	NDA
Vapour pressure	Not Established
Vapour Density	NA
Secific Gravity	1.04-1.11
Solubility in Water	Soluble

10. Stability and reactivity

Recativity Hazard	None known, based on information available
Stability	Product is stable.
Possibility of hazardous reactions	No known hazardous reactions.
Conditions to avoid	Heat, sparks and open flames
Incompatible materials	NDA
Hazardous Decomposition Products	Oxides of nitrogen, Oxides of sulphur
Hazardous Polymerization	Hazardous polymerization does not occur. Hazardous Reactions None under normal processing

11. Toxicological information

Acute Toxicity	NA
Acute dermal	NDA
Skin corrosion	Skin irritation Causes severe burns.
Toxic Effects on Humans	In case of skin contact (irritant), of inhalation.
Special Remarks	Harmful. May cause headache, gastrointestinal disturbances, dizziness and nausea. May result in irritation or burn of mouth and digestive tract

12. Ecological information

COD and BOD 5	Not Available
Products of Biodegradation:	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Mobility in soil	Will likely be mobile in the environment due to its water solubility.
Results of PBT and vPvB assessment	Substance does not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII.
Other adverse effects	Harmful effect due to pH shift. Discharge into the environment must be avoided.

13. Disposal considerations

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

DOT/TDG Land transport (ADR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

UN	Number	Not Applicable

Proper shipping name	Noit Applicable
Hazard Class	Not Applicable
Packing group	Not Applicable
Special Provision	Not Applicable
Limited Quantity	Not Applicable

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

UN Number	Not Applicable
Proper shipping name	Noit Applicable
ICAO/IATA Hazard Class	Not Applicable
ICAO/IATA Packing group	Not Applicable
ICAO/IATASpecial Provision	Not Applicable
ICAO/IATA Limited Quantity	Not Applicable

IMDG/IMO Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

UN Number	Not Applicable
Proper shipping name	Noit Applicable
IMDG Hazard Class	Not Applicable
IMDG Packing group	Not Applicable
IMDG Special Provision	Not Applicable
IMDG Limited Quantity	Not Applicable

Transport in bulk according to Annex II of MARPOL and the IBC code : Not Applicable.

15. Regulatory information

Safety Regulatory Information

- Hazard designation of product: Xi Irritant.
- Irritating to eyes and skin.
- Safety phrases

Keep out reach of children If swallowed, seek medical attention immediately In case of contact with eyes, rinse immediately with plenty of water and seek medical attention. After contact with skin, wash immediately with plenty of water and soap and rinse thoroughly.

HMIS

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

Fire :

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

16. Other information

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Other Information

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