Material Safety Data Sheet

RO Scale Inhibitor (RXSOL-33-3352-210)

1. Product and Company Identifaction

Porduct Name	RO Scale Inhibitor
Part Number	RXSOL-33-3352-210

Company Details:

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

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2. Composition / informationon ingredients

Product name	Cas No	EC No
Eitdronic acid	2809-21-4	220-552-8
Water	7732-18-5	231-791-2

Proprietory Blend of non Hazardous mixture content

3. Hazards Identification

Signal Word	Danger
Hazard Statements	H303 May be harmful if swallowed H314 causes severe skin burns and eye damage H318 causes serious eye damage.
Precautionary statements	P260Do not breathe dust/mist/fume/gas/vapours/spray.P264 wash throughly after handling P280 wear protective glove/protective clothing/eye protection/face protection.
Classification of the substance or mixture	No data available
Supplemental Hazard Statements	No data available
Other hazards	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

4. First Aid Measures

General advice	Immidiate medical attention required.show the safty data sheet to the doctor attendance.
If inhaled	After inhalation fresh air.
Eye Contact	Rince throughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable
Swallowed	No data available
Skin Contact	In case of skin contact Take off immediately all contaminated clothing. Rinse skin with water/ shower. Call a physician immediately
Inhalation	Do not induce vomating.never give anything by mouth to an unconsious person.call a physician or posion control immediately.

Ingestion	Move victim to fresh air.if breathing is difficult,give oxygen do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. if not breathing give artificial respiration and cosult a physician.
Most important symptoms and effects, both acute and delaye	Substance accumulation in human body,may occur and may causes some concern following repeated or long-term occupational exposure
Indication of any immediate medical attention and special treatment needed	Treat symptomatically.symptoms may be delayed

5. Fire-fighting Measures

Flammability	No data available
Suitable extinguishing media	Dry chemical,carbon dioxide or alcohol-resistant foam.
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter spread fire
Special hazards arising from the substance or mixture	Fire may produce irritating,poisonus or corrosive gaseous.containers may exploded when heating. fires exposed containers may vent contents through pressure releif valves.may expansion or decompose explosively when heated or involved in fire.
Further information	Prevent fire extinguishing water from contaminating surface water or the ground water system.
Hazardous combustion products	No data available
Advice for firefighters	As in any firee,wear self contained breathing apparatus and full protective gear.fight fire from safe distance with adequte cover.prevent fire extingushing water from contaminating surface or ground water system.
Protective Equipment	No data available
Specific Hazards Arising from the Chemical	No data available

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Ensure adequte ventilation.remove all source of ignition.evacute personal to safe area.keep people away from and upwind of spill/leak.use personal protective equipment. aviod breathing vapours, mist, gas or dust.
Spillage	No data available
Personal Protection	No data available
Enviromental Precaution	Prevent further leakage or spillage if safe to do so.discharge into the enviornment must be avioded
Methods and materials for containment and cleaning	Absorb spilled material in dry sand or inert adsorbent. in case of large amount of spillage,contain a spill by bunding.adhered or collected material should be promptly disposed of, in accoradance with appropriate laws and regulations.remove all source of ignition.use sprak proof tools and explosion proof equipment.
Reference to other sections	For disposal see section 13.

7. Handling and Storage

Advice on safe handling	Handlling is performed in vell ventilated place.wear suitable protective equipment.avoid contact with skin and eyes.keep away from heat/spark/open flame/hot surfaces.take precausionary measures against static discharge.
Storage conditions	Containers keep tightly closed.and keep it in dry well-ventillated place.keep away from heat/spark/open flame/hot surface.store away from incompatible materials and foodstuff containers.

8. Exposure controls and personal protection

Exposure controls	Personal protective equipment
Engineering Control	Ensure adequte ventillation,especially in confined areas.ensure that eyewash stations and safety showers are close to the workstation location.use explosion proof electrical/ventilating/lightning equipment.set up emergency exist and necessary risk elimination area.
Eye/face protection	Tightly fitting safety goggles(approved by EN 166(EU) or NIOSH(US)
Body Protection	Wear protective gloves passing the according to EN374(EU),US F739 or AS/NZS 2161.1 standerd
Skin protection	Wear fire flame resistant clothing.

Respiratory protection	If exposure limit are exceeded or irritation or other symptoms are experienced,use a full face respirator with multi purpose combination (US) or type AXBEK(EN 14387) respirator catridges.
Other Protection Measure	No data available

9. Physical and chemical properties

Physical state	Liquid
Colour	Pale yellow
Odour	No data available
Odor Threshold	No data available
pH	2
Melting Point	No data available
Boiling Point	No data available
Flash Point	No data available
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Explosive limits	No data Available
Upper/lower flammability or explosive limits	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Vapour pressure	No data available
Viscosity	No data available
Density	No data available
Relative Density	No data available
Specific Gravity	No data available
Partition coefficient	No data available
Explosive properties	No data available
Solubility	No data available
Ignition temperature	No data available
Particle characteristics	No data available

10. Stability and reactivity

Reactivity	Contact with incompatible substance can causes decomposition or other chemical reaction.
Chemical stability	The product is chemically stable under standard conditions (room temperature)
Possibilityof hazardous reactions	In contact with active metals(alkali metals Ca,Na etc.) causes reaction and release hydrogen.
Conditions to avoid	Incompatible materials heat,spark,heat.
Incompatible materials	Alkali sodium,calcium,and other actie metal, halogen,metal oxide,non-metal oxide,acyl halide and metal phosphide.
Hazardous decomposition products	Under normal condition of storage and use,hazardous decomposition product should not be produced.

11. Toxicological information

Acute toxicity	No data available
Skin corrosion/irritation	Causes Severe skin irritation (OECD Test Guideline 404)
Serious eye damage/irritation	Causes serious damage to eyes.
Respiratory or skin sensitization	No data available
Carcinogenicity	No data available
Germ cell mutagenicity	No data available
Reproductive toxicity	No data available

Specific target organ toxicity - single exposure	No data available
Additional Information	No data available

12. Ecological information

Persistence and degradability	No data available
Toxicity to fish	No data available
Toxicity to daphnia and other aquatic invertebrates	No data available
Toxicity	No data available
Toxicity to bacteria	No data available
Toxicity to algae	No data available
Products Biodegradation	No data available
Mobility in soil	No data availalble
Results of PBT and vPvB assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Endocrine disrupting properties	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher
Other adverse effects	No data available

13. Disposal considerations

Product	Before disposal should refer to relevant national and local laws and regulation.recommended the use of incineration disposal.
Contaminated paking disposal recommendations	Containers may still persent chemical hazard when empty.keep away from hot and ignition source of fire.return to supplier for recycling if possible.

14. Transport information

UN number	ADR/RID:3265	IMDG:3265	IATA:3265
UN proper shipping name	ADR/RID:Corrosive liquid,Acidic,Organic	IMDG:Corrosive liquid,Acidic,Organic	IATA:Corrosive liquid,Acidic,Organic
Transport hazard class(es)	ADR/RID:8	IMDG:8	IATA:8
Packaging group	ADR/RID:lll	IMDG:lll	IATA:lll
Environmental hazards	ADR/RID:No	IMDG:No	IATA:No
Special precautions for user	No data available		
Further information	No data available		

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture	This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.
Other regulations	Take note of Dir 94/33/EC on the protection of young people at work.
Chemical Safety Assessment	A Chemical Safety Assessment has benn carried out for this substance.

16. 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 weassume 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.

Other Information

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