

Material Safety Data Sheet

Corrosion Treatment 3762 (RXSOL-16-3762-025)



1. Product and Company Identification

Product Name RXSOL-16-3762-025
Product Type Corrosion Treatment 3762

Company Details:

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

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2. Composition / information on ingredients

chemicals characterization Hazardous ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases*	Symbols	Disodium
2-Butoxy Ethanol	1-10%	111-76-2	203-905-0	20/21/22 36/38	Xn	
Thioglycolic Acid	1%	68-11-1	200-677-4	23/24/25 34	T	
Acetic acid	1-10%	64-19-7	200-580-7	10	35	c
Alkyl Imidazoline	10-30%			38 41 50/53	Xi	N

The text of the R-phrases is shown in section 16.

3. Hazards Identification

Harmful by inhalation, in contact with skin & if swallowed.
Irritating to skin.
Risk of serious damage to eyes.
Toxic to aquatic organisms, may cause long-term adverse effect in the aquatic environment.

4. First Aid Measures

General information

Remove soiled Or soaked clothing immediately

After inhalation	If inhaled, remove immediately to fresh air; if not breathing give artificial respiration; obtain medical help if there is a breathing problem give oxygen seek medical advice immediately
After contact with skin	Rinse skin immediately with copious amount of water. Immediately remove contaminated clothing. consult a physician.
After contact with eyes	Rinse immediately with running water for 30 minutes, keeping eyelids open. Consult at once an ophthalmologist or a physician.
After ingestion	Rinse out mouth & give plenty of water to drink. Do not induce vomiting. In case of unconsciousness do not induce vomiting or give anything by mouth. Get medical treatment Advice to doctor
Symptoms	Headache, dizziness, nausea, vomiting Eyes & mucous membrane irritation Harmful to the kidneys, the liver & the respiratory tract
Hazards	Causes severe eye damage / blindness.

5. Fire-fighting Measures

Suitable extinguishing media dry chemicals extinguisher
dry sand
carbon dioxide
foam

Special hazards from the substance itself, its combustion products or from its vapour In the event of fire the following can be released
Carbon monoxide (CO)
Carbon dioxide (CO₂)
Sulphur oxides
Hydrogen sulfide (H₂S)

Special protective equipment for firefighting wear full protective suit.
wear respiratory protective when fighting fire

Further information Collect contaminated firefighting water separately, must not be discharged into the drains.

6. Accidental Release Measures

Personal Precautions Ensure adequate ventilation.
wear suitable personal protective equipment
Respiratory protective equipment

Environmental Precautions Do not allow entry to drains, water courses or soil If the product gets into drains, inform the relevant authorities immediately.

Methods for cleaning up / taking up Pick up with absorbent material.
Dispose of absorbed material in accordance with the regulation
Rinse away rest with plenty of water.

Additional information Do not let liquid drain into rivers, ponds or sewer systems.

7. Handling and Storage

Advice on safe handling

Avoid spilling, spraying or splashing Provide exhaust ventilation.
In case of insufficient ventilation, wear suitable respiratory equipment.
Have eyewash bottle in readiness.

Reuirement for storage rooms in vessels

Keep container tightly closed in a cool, well-ventilated place.
Keep only in the original container

8. Exposure controls and personal protection

Occupational exposure controls **Additional advice on system design**
Provide general ventilation.

2-Butoxyethanol

CAS number :111-76-2
Directive on indicative exposure limits (amended)
EU OEL - Directive on indicative exposure limits
Revision :08/06/2000
Notation
Skin

2-Butoxyethanol

CAS number : 111-76-2
Directive on indicative exposure limits (amended)
EU OEL - Directive on indicative exposure limits
Revision :08/06/2000
Limit value short term -15 mins.
Value 246mg 50ppm

2-Butoxyethanol

CAS number :111-76-2
EH40 WELs (amended)
UK OEL - Eh40WELs
Revision :17/10/2007
Comment
Biological Monitoring Guidance Value
Can be absorbed through skin

2-Butoxyethanol

CAS number : 111-76-2
EH40 WELs (amended)
UK OEL-EH40 WELs
Revision :17/10/2007
Long term exposure limit (8 hour TWA reference period)
values : 25 ppm

2-Butoxyethanol

CAS number :111-76-2
EH40 WELs (amended)
UK OEL-EH40 WELs
Revision : 17/10/2007
Short term exposure limit-15 mins
Values 50ppm

Mercaptoacetic acid

CAS number :68-11-1
EH40 WELs (amended)
UK OEL-EH40 WELs
Revision : 17/10/2007
Long term exposure limit (8 hour TWA reference period)
Values : 3.8mg/m3 1 ppm

General protective measures

Do not inhale vapours
Avoid contact with eyes and skin

Hygiene measures

Ensure sufficient exhaust ventilation.
Do not eat , drink or smoke during work time.
Wash hand before breaks and after work.
Take off Immediately all contaminated clothing.

Exposure limit values

Respiratory protection :

If ventilation insufficient, use a respiratory protection apparatus.
Combination filter for organic and inorganic vapours (A/B)

Hand protection :	Neoprene gloves PVC gloves. Nitrile rubber gloves. Polyethylene gloves These type of protective gloves are offered by various manufacturers. Please note the manufacturers' detailed statement, especially about the minimum thickness and the minimum breakthrough time. Consider also the particular working conditions under which the gloves are being used.
Eye protection :	tightly fitting safety goggles face shield
Body protection :	protective clothing.

9. Physical and chemical properties

Form :	Liquid
Colour :	amber
Odour :	mild
Melting point :	not determined
Boiling point :	>100 C (1,011 hPa)
Flash point :	> 61 C
Method :	closed up
Ignition temperature :	Not applicable
Oxidizing properties :	Not applicable
Self-ignition temperature :	Not applicable
Flammability Lower explosion limit :	1.1% (v) Data relate to solvent
Upper explosion limit :	10.6% (v) Data relate to solvent
Combustion number :	Not applicable.
Evaporation rate :	Not tested.
Vapour pressure :	Not tested.
Density :	1.00-1.08g/cm ³ (25 C)
Method :	ASTM D 1298
Vapour density in relation to air :	not tested.
Solubility in water :	soluble
Soluble in... :	fat not tested.
pH value :	4.5-5.5
Octanol/ water partition	Not applicable
coefficient (Log Pow)	
:	
Viscosity (dynamic) :	50mPa.s (25 C)

10. Stability and reactivity

Toxicological information > 100 C

Hazardous reactions No hazardous reaction when stored and handled according to prescribe instruction.
With acids hydrogen sulphide is produced.

Hazardous decomposition product Carbon monoxide and carbon dioxide
Sulphurous oxides (SO_x)
Hydrogen sulphide (H₂S)

11. Toxicological information

Acute oral toxicity : LD₅₀ 200-2,000mg/kg (rat)

Acute inhalation toxicity : LC₅₀ 2-20 mg/l (4 h, rat)

Acute dermal toxicity : LD₅₀ 400 -2,000 mg/kg (rabbit)

Irritant effect on skin : irritant

Irritant effect on eyes : risk of serious damage to eyes

Sensitization : Not tested.

Mutagenicity : Not tested.

Remarks The classification was made by the conventional (calculation) method of the dangerous Preparation directive (1999/45/ES)

12. Ecological information

Biodegradability : 20-60 %

Fish toxicity : LC₅₀ 1-10 mg/l (96 h)

Remarks The classification was made by the conventional (calculation) method of the dangerous Preparation Directive (1999/45/EC)

13. Disposal considerations

Product Dispose of in accordance with local authority regulations.

14. Transport information

ADR

Proper shipping name : Enviromentally hazardous substance, liquid, n.o.s.
 Class : 9
 Packing group : III
 UN no. UN 3082
 Primary risk : 9
 Hazard No. 90
 Remarks : Shipment permitted
 Hazard inducer(s) ALKYLIMIDAZOLINES

ADNR

Proper shipping name : Enviromentally hazardous substance, liquid, n.o.s.
 Class : 9
 Packing group : III
 UN no. UN 3082
 Primary risk : 9
 Hazard No. 90
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RID

Proper shipping name : Enviromentally hazardous substance, liquid, n.o.s.
 Class : 9
 Packing group : III
 UN no. UN 3082
 Primary risk : 9
 Hazard No. 90
 Remarks : Shipment permitted
 Hazard inducer(s) ALKYLIMIDAZOLINES

IATA

Proper shipping name : Enviromentally hazardous substance, liquid, n.o.s.
 Class : 9
 Packing group : III
 UN no. UN 3082
 Primary risk : 9
 Hazard No. 90
 Remarks : Shipment permitted
 Hazard inducer(s) ALKYLIMIDAZOLINES
 Marine pollutant : Marine pollutant
 EmS : F-A S-F

15. Regulatory information

Labelling in accordance with EC - Directives

Hazard symbols	Xn	Harmful
	N	Dangerous for the environment

Hazardous component(s) to be indicated on label	Thioglycolic acid
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	20/21/22	Harmfull by inhalation, in contact with skin and if swallowed. rritating to skin.
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R phrases	38	Risk of serious damage to eye.
	41	Toxics to aquatic organism, may cause long term adverse effect in the aquatic environment.
	24/25	Avoid contact with skin and eyes.
	26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S phrases	36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
	60	This material and its container must be displosed of as hazardous waste.
	61	Avoid release to the environment. refer to special instruction / safety data sheet

Chemical safety Assessment	No chemicals safety assessment (CSA) is yet available for the substance or for the component substance, contained in this product
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16. Other information

Text of the R-phrases assigned to the ingredients/components mentioned in section 3:

10	Flammable.
20/21/22	Harmful by inhalation , in contact with skin and if swallowed.
23/24/25	Toxics by inhalation, in contact with skin and if swallowed. aquatic environment.
34	Causes burns.
35	Causes severe burns.
36/38	Irritation to eyes and skin.
38	Irritation to skin.
41	Risk of serious damage to eyes.
50/53	Very toxic to aquatic organisms, may cause long term adverse effect in the aquatic environment.

The data are based on the current state of our knowledge, and are intended to describe the product with regard to the requirement of safety . the data should not be taken to imply any guarantee of a particular of general specification. It is the responsibility of the user of the product to ensure to his satisfaction that the product is suitable for the intended purpose and method of use . We do not accept responsibility for any harm caused by the use of this information, in all case , our general condition of sale apply.

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