

## 1. Product and Company Identification

[www.rxmarine.com](http://www.rxmarine.com)

Product Name RXSOL-51-6004-025  
Product Type No. 10 Boiler Compound

### Company Details:

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

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

## 2. Composition / Information on ingredients

[www.rxmarine.com](http://www.rxmarine.com)

INGREDIENT	%W/W	CAS number
ethylene glycol	15-40	107-21-1
sodium hydroxide (50%)	10-30	1310-73-2
methanol	7-13	67-56-1
methylene phosphonic acid	1-5	6419-19-8
tetrasodium salt of ethylene diamine	5-10	64-02-8
tetraacetic acid (EDTA)		

## 3. Hazards Identification

[www.rxmarine.com](http://www.rxmarine.com)

Contains liquid. Causes harm. Irritant if inhaled. Corrosive liquid.

## 4. First Aid Measures

[www.rxmarine.com](http://www.rxmarine.com)

Inhalation Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.  
Ingestion Induce vomiting only on the direct advice of a poison control centre. Drink 1-2 glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.  
Eye contact Flush with plenty of water for at least 15 minutes. Get medical attention.  
Skin contact Remove contaminated clothing and flush with plenty of water.

## 5. Fire-fighting Measures

[www.rxmarine.com](http://www.rxmarine.com)

Flash point (test method)	39C(TCC)
Flammable limits (%)	Not applicable
Lower	Not applicable.
Upper	Not applicable
Fire extinguishing substances	Use dry chemicals, carbon dioxide, water spray or foam.
Autoignition temperatures	Not applicable
Hazardous combustion products	May liberate carbon monoxide, carbon dioxide and Sulphur dioxide.
Explosion data	
Sensitivity to mechanical impact	Not applicable
Sensitivity to static discharge	Not applicable
Special firefighting procedures	As for surrounding fire.

## 6. Accidental Release Measures

[www.rxmarine.com](http://www.rxmarine.com)

Personal precautions	Wear appropriate protective equipment.
Environmental precautions	Prevent from entering sewers, waterways or low areas.
Methods for cleaning up	Isolate hazard area and restrict access. Small spills: soak up with inert absorbent material and scoop into container. Prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material. Dispose of in appropriate container and flush with water.

## 7. Handling and Storage

[www.rxmarine.com](http://www.rxmarine.com)

Handling	Do not ingest. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
Storage	Keep out of reach of children. Keep container tightly closed. Store in a cool, dry place.

## 8. Exposure controls and personal protection

[www.rxmarine.com](http://www.rxmarine.com)

Engineering controls	Provide exhaust ventilation to keep airborne levels below recommended limits.
Respiratory protection	Not normally necessary. An N95 NIOSH respirator may be worn.
Eye protection	Chemical goggles. Wear a face shield if splashing hazards exist.
Other protection	Not normally necessary.

Exposure limits:

INGREDIENT	ACGIH	OSHA	Other
ethylene glycol	TLV CEIL: 100mg/m <sup>3</sup> 8 hours		
sodium hydroxide (50%)	2 mg/m <sup>3</sup> Ceil.		
methanol	CAD AB OEL 200 ppm (262mg/m <sup>3</sup> )		
methylene phosphonic	Not available		

acid

tetrasodium salt of ethylene diamine tetraacetic acid (EDTA) Not available

## 9. Physical and chemical properties

www.rxmarine.com

Physical state	Liquid
Solubility in water	Complete
Boiling point	Not available
Vapour pressure	Not available
Vapour density	Not available
Evaporation rate	Not available
Freezing point	-45C
Odour threshold	Not available
Sp. Gravity	1.176
pH	1% Solution: 12.4
Appearance & odour	Clear, colourless liquid with slight ammonia odour

## 10. Stability and reactivity

www.rxmarine.com

### STABILITY

Conditions of instability	Not available
Incompatibility	<small>(1) Water (2) Oxidation (3) Acid (4) Base (5) Other oxidant/reductant, alkaline, or acid (6) Other</small>
Conditions of reactivity	Not available
Hazardous decomposition products	Not available

## 11. Toxicological information

www.rxmarine.com

### POTENTIAL ACUTE HEALTH EFFECTS

Inhalation	Corrosive to respiratory system.
Ingestion	Harmful if swallowed. Causes burns to mouth, throat and stomach.
Eye contact	Causes burns.
Skin contact	Causes burns.
Skin absorption	Not available

### POTENTIAL CHRONIC HEALTH EFFECTS

Inhalation	Repeat or prolonged exposure may cause damage to lungs.
Ingestion	Not available
Eye contact	Not available
Skin contact	Not applicable
Skin absorption	Not applicable
Irritancy of product	See WHMIS criteria
Sensitization of product	Not available
Carcinogenicity:	
IARC (1, 2A or 2B)	No known significant effects.
ACGIH: (A1, A2 or A3)	No known significant effects.
Reproductive toxicity	No known significant effects.
Teratogenicity	No known significant effects.

Mutagenicity  
Synergistic product

No known significant effects.  
Not available

#### HAZARDOUS INGREDIENTS

ethylene glycol	107-21-1
sodium hydroxide (50%)	1310-73-2
methanol	67-56-1
methylene phosphonic acid	6419-19-8
tetrasodium salt of ethylene diamine tetraacetic acid (EDTA)	64-02-8

## 12. Ecological information

[www.rxmarine.com](http://www.rxmarine.com)

Ecotoxicological information  
Other information

Not available

## 13. Disposal considerations

[www.rxmarine.com](http://www.rxmarine.com)

Waste disposal

Disposal of all waste must be done according to local, provincial and regulations.

## 14. Transport information

[www.rxmarine.com](http://www.rxmarine.com)

TDG classification

CORROSIVE LIQUID, FLAMMABLE, N.O.S. (SODIUM HYDRO  
METHANOL); Class 8 (3); UN 2920; PG II

## 15. Regulatory information

[www.rxmarine.com](http://www.rxmarine.com)

WHMIS

E  
B3  
D2A

Corrosive Material  
Combustible Material  
Material Causing Other Toxic Effects

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

## 16. Other information

[www.rxmarine.com](http://www.rxmarine.com)

The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the users own assessment of workplace risk as required by other health and safety legislation.

## 1. Product and Company Identification

[www.rxmarine.com](http://www.rxmarine.com)

Product Name                      RXSOL-51-6004-025  
Product Type                      PBT-20 Polymer Boiler Treatment

### Company Details:

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

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

## 2. Composition / Information on ingredients

[www.rxmarine.com](http://www.rxmarine.com)

INGREDIENT	%W/W	CAS number
Polyacrylic Acid Sodium Salt	15-40	Not available

## 3. Hazards Identification

[www.rxmarine.com](http://www.rxmarine.com)

See Annex 1, Method 2, section 2

## 4. First Aid Measures

[www.rxmarine.com](http://www.rxmarine.com)

Inhalation	Remove from exposure. Get fresh air.
Ingestion	Do not induce vomiting. If irritation persists, seek medical attention.
Eye contact	Flush with plenty of water for 15 minutes. Get medical attention if irritation persists.
Skin contact	Remove contaminated clothing and flush with plenty of water.

## 5. Fire-fighting Measures

[www.rxmarine.com](http://www.rxmarine.com)

Flash point (test method)	Not applicable
Flammable limits (%)	Non-flammable
Lower	Not applicable.
Upper	Not applicable
Fire extinguishing substances	Use dry chemicals, carbon dioxide, water spray or foam.

Autoignition temperatures	Not applicable
Hazardous combustion products	May liberate carbon monoxide, carbon dioxide and Sulphur dioxide.
Explosion data	
Sensitivity to mechanical impact	Not applicable
Sensitivity to static discharge	Not applicable
Special firefighting procedures	As for surrounding fire.

## 6. Accidental Release Measures

[www.rxmarine.com](http://www.rxmarine.com)

Personal precautions	Wear appropriate protective equipment.
Environmental precautions	Prevent from entering sewers, waterways or low areas.
Methods for cleaning up	Isolate hazard area and restrict access. Small spills: soak up with inert absorbent material and scoop into container to prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material. Dispose of in appropriate container and flush with water.

## 7. Handling and Storage

[www.rxmarine.com](http://www.rxmarine.com)

Handling	Do not ingest. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
Storage	Keep out of reach of children. Keep container tightly closed. Store in a cool, dry place.

## 8. Exposure controls and personal protection

[www.rxmarine.com](http://www.rxmarine.com)

Engineering controls	Special ventilation requirements not normally necessary
Respiratory protection	Not normally necessary.
Eye protection	Not normally necessary. Safety glasses may be worn.
Other protection	Not normally necessary.
Exposure limits:	

INGREDIENT	ACGIH	OSHA	Other
polyacrylic sodium salt	Not applicable		

## 9. Physical and chemical properties

[www.rxmarine.com](http://www.rxmarine.com)

Physical state	Liquid
Solubility in water	Complete
Boiling point	Not available
Vapour pressure	Not available
Vapour density	Not available
Evaporation rate	Not available
Freezing point	0C
Odour threshold	Not available
Sp. Gravity	1.12
pH	8-8.5

## 10. Stability and reactivity

www.rxmarine.com

### STABILITY

Conditions of instability	Not available
Incompatibility	(1) Water (2) Oxidation (3) Acid (4) Base (5) Other
Conditions of reactivity	Not available
Hazardous decomposition products	Not available

Stable

## 11. Toxicological information

www.rxmarine.com

### POTENTIAL ACUTE HEALTH EFFECTS

Inhalation	No known significant effects
Ingestion	No known significant effects
Eye contact	May cause temporary discomfort and redness
Skin contact	May cause temporary discomfort
Skin absorption	Not available

### POTENTIAL CHRONIC HEALTH EFFECTS

Inhalation	No known significant effects
Ingestion	Not available
Eye contact	Not available
Skin contact	Prolonged contact may cause discomfort
Skin absorption	Not applicable
Irritancy of product	See WHMIS criteria
Sensitization of product	Not available
Carcinogenicity:	
IARC (1, 2A or 2B)	No known significant effects.
ACGIH: (A1, A2 or A3)	No known significant effects.
Reproductive toxicity	No known significant effects.
Teratogenicity	No known significant effects.
Mutagenicity	No known significant effects.
Synergistic product	Not available

### HAZARDOUS INGREDIENTS

None

CSGND

## 12. Ecological information

www.rxmarine.com

Ecotoxicological information	Not available
Other information	

### 13. Disposal considerations

www.rxmarine.com

Waste disposal

Disposal of all waste must be done according to local, provincial and regulations.

### 14. Transport information

www.rxmarine.com

TDG classification

Not Regulated

### 15. Regulatory information

www.rxmarine.com

WHMIS

D2B

Material Causing Other Toxic Effects

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

### 16. Other information

www.rxmarine.com

The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the users own assessment of workplace risk as required by other health and safety legislation.

<http://www.ostrem.com/msds/English/S768%20MSDS.pdf>

### 1. Product and Company Identification

www.rxmarine.com

Product Name

RXSOL-51-6004-025

Product Type

E-40 Boiler Water Blend

#### Company Details:

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

Phone

+91 22 65113333 / 5555 / 9999

## 2. Composition / Information on ingredients

[www.rxmarine.com](http://www.rxmarine.com)

INGREDIENT	%W/W	CAS number
tetrasodium salt of ethylene diamine tetraacetic acid (EDTA)	60-100	64-02-8

## 3. Hazards Identification

[www.rxmarine.com](http://www.rxmarine.com)

Chemical Safety Data Sheet. Hazardous if swallowed.

## 4. First Aid Measures

[www.rxmarine.com](http://www.rxmarine.com)

Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	Induce vomiting only on the direct advice of a poison control centre. Get medical attention.
Eye contact	Flush with plenty of water for at least 15 minutes. Get medical attention.
Skin contact	Remove contaminated clothing and flush with plenty of water.

## 5. Fire-fighting Measures

[www.rxmarine.com](http://www.rxmarine.com)

Flash point (test method)	Not applicable
Flammable limits (%)	Non-flammable
Lower	Not applicable.
Upper	Not applicable
Fire extinguishing substances	Use extinguishing media appropriate for surrounding fire.
Autoignition temperatures	Not applicable
Hazardous combustion products	May liberate carbon oxides and nitrogen oxides.
Explosion data	
Sensitivity to mechanical impact	Not applicable
Sensitivity to static discharge	Not applicable
Special firefighting procedures	As for surrounding fire. Fire fighters should wear full protective clothing and self contained breathing equipment.

## 6. Accidental Release Measures

[www.rxmarine.com](http://www.rxmarine.com)

Personal precautions	Wear appropriate protective equipment.
Environmental precautions	Prevent from entering sewers, waterways or low areas.
Methods for cleaning up	Isolate hazard area and restrict access. Small spills: soak up with inert absorbent material and scoop into containers to prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent

appropriate container and flush with water.

## 7. Handling and Storage

[www.rxmarine.com](http://www.rxmarine.com)

Handling

Do not ingest. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Storage

Keep out of reach of children. Keep container tightly closed. Store in a cool, dry place.

## 8. Exposure controls and personal protection

[www.rxmarine.com](http://www.rxmarine.com)

Engineering controls

Provide exhaust ventilation to keep airborne levels below recommended limits.

Respiratory protection

If exposure exceeds occupational exposure limits, use an appropriate respirator.

Eye protection

Chemical goggles. Wear a face shield if splashing hazards exist.

Other protection

Wear protective clothing as necessary to prevent skin contact.

Exposure limits:

INGREDIENT	ACGIH	OSHA	Other
Tetrasodium salt of ethylene diamine tetraacetic acid (EDTA)	Not available		

## 9. Physical and chemical properties

[www.rxmarine.com](http://www.rxmarine.com)

Physical state		Liquid
Solubility in water	Complete	
Boiling point	100C	
Vapour pressure	Not available	
Vapour density	Not available	
Evaporation rate	Not available	
Freezing point	Not available	
Odour threshold	Not available	
Sp. Gravity	1.3	
pH	1% Solution: 13.5	
Appearance & odour	clear pale solution	

## 10. Stability and reactivity

[www.rxmarine.com](http://www.rxmarine.com)

## STABILITY

Conditions of instability	Not available
Incompatibility	(1) Water (2) Oxidation (3) Acid (4) Base (5) Other
Conditions of reactivity	Not available
Hazardous decomposition products	produces hydrogen in the presence of aluminum.

## 11. Toxicological information

[www.rxmarine.com](http://www.rxmarine.com)

### POTENTIAL ACUTE HEALTH EFFECTS

Inhalation	Irritating to respiratory system.
Ingestion	May be harmful if swallowed.
Eye contact	May cause mild to severe irritation such as stinging, tearing, redness and pain in eyes.
Skin contact	May cause skin irritation.
Skin absorption	Not available

### POTENTIAL CHRONIC HEALTH EFFECTS

Inhalation	Repeat or prolonged exposure may cause damage to lungs.
Ingestion	Not available
Eye contact	Not available
Skin contact	Not available
Skin absorption	Not available
Irritancy of product	See WHMIS criteria
Sensitization of product	Not available
Carcinogenicity:	
IARC (1, 2A or 2B)	No known significant effects.
ACGIH: (A1, A2 or A3)	No known significant effects.
Reproductive toxicity	No known significant effects.
Teratogenicity	No known significant effects.
Mutagenicity	No known significant effects.
Synergistic product	Not available

## HAZARDOUS INGREDIENTS

tetrasodium salt of ethylene diamine	64-02-8
tetraacetic acid (EDTA)	

## 12. Ecological information

[www.rxmarine.com](http://www.rxmarine.com)

Ecotoxicological information	Not available
Other information	

## 13. Disposal considerations

[www.rxmarine.com](http://www.rxmarine.com)

Waste disposal

Disposal of all waste must be done according to local, provincial and regulations.

## 14. Transport information

[www.rxmarine.com](http://www.rxmarine.com)

TDG classification

CORROSIVE LIQUID, N.O.S. (TETRASODIUM EDTA SOLUTION)  
1760; PG III

## 15. Regulatory information

[www.rxmarine.com](http://www.rxmarine.com)

WHMIS

E  
D2B

Corrosive  
Other toxic effects

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

## 16. Other information

[www.rxmarine.com](http://www.rxmarine.com)

The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the users own assessment of workplace risk as required by other health and safety legislation.

**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.