

## 1. Product and Company Identification

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

Product Name RXSOL-51-6004-025  
Product Type No. 87 Cooling Water 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
methylene phosphonic acid	10-20	6419-19-8
phosphoric acid	3-7	7664-38-2
sulphuric acid	1-5	7664-93-9

## 3. Hazards Identification

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

Contains liquid. Contains toxic. 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. 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) 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 monoxide, carbon dioxide and oxides of sodium.
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 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	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 exists.
Other protection	Wear protective clothing as necessary to prevent skin contact.
Exposure limits:	

INGREDIENT	ACGIH	OSHA	Other
methylene phosphonic acid	Not available		
phosphoric acid	Not available		
sulphuric acid	Not available		

## 9. Physical and chemical properties

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

Physical state	Liquid
Solubility in water	100%
Boiling point	Not available
Vapour pressure	Not available
Vapour density	Not available

Evaporation rate	Not available
Freezing point	Not available
Odour threshold	Not available
Sp. Gravity	1.065
pH	1.2
Appearance & odour	Clear, colourless liquid

## 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</small>
Conditions of reactivity	<small>Reacts with acids</small>
Hazardous decomposition products	Not available

## 11. Toxicological information

www.rxmarine.com

### POTENTIAL ACUTE HEALTH EFFECTS

Inhalation	Irritating 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 applicable

### 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	No known significant effects.
Synergistic product	Not available

### HAZARDOUS INGREDIENTS

methylene phosphonic acid	6419-19-8
phosphoric acid	7664-38-2
sulphuric acid	7664-93-9

## 12. Ecological information

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.(sulphuric acid,methylenephosphonic acid);  
8;UN 1760,PG II

### 15. Regulatory information

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

WHMIS

E

Corrosive material

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.

<http://www.ostrem.com/msds/English/S763%20MSDS.pdf>

### 1. Product and Company Identification

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

Product Name RXSOL-51-6004-025  
Product Type SP-50 Powdered 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
Sodium Sulfit	40-70	7757-83-7
Sodium Carbonate	15-40	497-19-8

## 3. Hazards Identification

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

For online Hazard Identification

## 4. First Aid Measures

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

Inhalation	Remove from exposure. Get fresh air.
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 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. 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 container to prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material. Store 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	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
Sodium Sulfite	TLV-TWA 5 mg/m <sup>3</sup>		
Sodium Carbonate	Not available		

## 9. Physical and chemical properties

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

Physical state		Solid
Solubility in water	5-10%	
Boiling point	Not available	
Vapour pressure	Not available	
Vapour density	Not available	
Evaporation rate	Not available	
Freezing point	Not available	
Odour threshold	Not available	
Sp. Gravity	1	
pH	1% Solution: 10.7	
Appearance & odour	free-flowing powder	

## 10. Stability and reactivity

www.rxmarine.com

### STABILITY

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

## 11. Toxicological information

www.rxmarine.com

### POTENTIAL ACUTE HEALTH EFFECTS

Inhalation	Irritating to respiratory system.
Ingestion	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 applicable

### POTENTIAL CHRONIC HEALTH EFFECTS

Inhalation	Repeat or prolonged exposure may cause damage to lungs.
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

Sodium Sulfite	7757-83-7
Sodium Carbonate	497-19-8

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

TDG classification

Not regulated

## 15. Regulatory information

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

WHMIS

D2A

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

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<http://www.ostrem.com/msds/English/S755%20MSDS.pdf>

## 1. Product and Company Identification

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

Product Name

RXSOL-51-6004-025

Product Type

No. 98 Cooling Water 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

INGREDIENT	%W/W	CAS number
methylene phosphonic acid	10-20	6419-19-8
phosphoric acid	3-7	7664-38-2
sulphuric acid	15-40	7664-93-9

## 3. Hazards Identification

www.rxmarine.com

Contains liquid. Contains hazardous material if released.

## 4. First Aid Measures

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

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 monoxide, carbon dioxide and oxides of sodium.
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

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

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
methylene phosphonic acid	Not available		
phosphoric acid	Not available		
sulphuric acid	Not available		

## 9. Physical and chemical properties

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

Physical state

Liquid

Solubility in water

100%

Boiling point

Not available

Vapour pressure

Not available

Vapour density

Not available

Evaporation rate

Not available

Freezing point

Not available

Odour threshold

Not available

Sp. Gravity

1.157

pH

6310 mg/kg

phosphoric acid

7664-38-2

sulphuric acid

7664-93-9

## 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,N.O.S.(sulphuric acid,methylenephosphonic acid);  
8;UN 1760,PG II

### 15. Regulatory information

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

WHMIS

D1A  
E

Very Toxic Material  
Corrosive material

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

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