

1. Product and Company Identification

www.rxmarine.com

Product Name RXSOL-51-6004-025
Product Type No. 30 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

2. Composition / Information on ingredients

www.rxmarine.com

INGREDIENT	%W/W	CAS number
Sodium hydroxide (50%)	3-7	1310-73-2
Morpholine	1-5	110-91-8
tetrasodium salt of ethylene diamine tetraacetic acid (EDTA)	3-7	64-02-8

3. Hazards Identification

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Contains liquid. Contains toxic. Hazardous if swallowed.

4. First Aid Measures

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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

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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 containers. Large spills: prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material appropriate

7. Handling and Storage

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

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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
Sodium hydroxide (50% Sol.)	2 mg/m ³ Ceil	Not available	
Sodium nitrite	TLV (skin) 20 ppm		
tetrasodium salt of ethylene diamine tetraacetic acid (EDTA)	Not available		

9. Physical and chemical properties

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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	Not available
Odour threshold	Not available
Sp. Gravity	1.11
pH	alkaline
Appearance & odour	clear, pale liquid with amine odour

10. Stability and reactivity

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STABILITY

Conditions of instability	Not available
Incompatibility	<small>(1) Water (2) Oxidizers (3) Acids (4) Bases (5) Other</small>
Conditions of reactivity	<small>Reacts with acids and bases</small>
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	Corrosive to eyes. Causes severe burns.
Skin contact	Corrosive to skin. Causes severe 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

Sodium hydroxide (50%)	52-51-7
Morpholine	110-91-8

tetrasodium salt of ethylene diamine	64-02-8
tetrasodium salt of ethylene diamine	

12. Ecological information

www.rxmarine.com

Ecotoxicological information Not available
Other information

13. Disposal considerations

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Waste disposal

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

14. Transport information

www.rxmarine.com

TDG classification

Sodium hydroxide, solution; Class 8; UN 1824; PG II

15. Regulatory information

www.rxmarine.com

WHMIS E Corrosive material
D2B 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/S760%20MSDS.pdf>

1. Product and Company Identification

www.rxmarine.com

Product Name RXSOL-51-6004-025
Product Type OS-15 Oxygen Scavenger

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

2. Composition / Information on ingredients

www.rxmarine.com

INGREDIENT	%W/W	CAS number
Sodium Sulfite	10-30	7757-83-7

3. Hazards Identification

www.rxmarine.com

For internal use only

4. First Aid Measures

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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

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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

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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 appropriate container and flush with water.

7. Handling and Storage

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

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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 ³		

9. Physical and chemical properties

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Physical state

Liquid

Solubility in water

soluble

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

1.1451

pH

9.8

Appearance & odour

clear, pale liquid

10. Stability and reactivity

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STABILITY

Conditions of instability

Not available

Incompatibility

Not available

Conditions of reactivity

Hazardous decomposition products

Not available

11. Toxicological information

www.rxmarine.com

POTENTIAL ACUTE HEALTH EFFECTS

Inhalation
Ingestion
Eye contact

Irritating to respiratory system.
Harmful if swallowed.
May cause mild to severe irritation such as stinging, tearing, redness and
eyes.
May cause skin irritation.
Not applicable

Skin contact
Skin absorption

POTENTIAL CHRONIC HEALTH EFFECTS

Inhalation
Ingestion
Eye contact
Skin contact
Skin absorption
Irritancy of product
Sensitization of product
Carcinogenicity:
IARC (1, 2A or 2B)
ACGIH: (A1, A2 or A3)
Reproductive toxicity
Teratogenicity
Mutagenicity
Synergistic product

Repeat or prolonged exposure may cause damage to lungs.
Not available
Not available
Prolonged contact may cause discomfort
Not applicable
See WHMIS criteria
Not available

No known significant effects.
No known significant effects.
No known significant effects.
No known significant effects.
No known significant effects.
No known significant effects.

HAZARDOUS INGREDIENTS

Sodium Sulfite 7757-83-7

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 Sodium hydroxide, solution; Class 8; UN 1824; PG II

15. Regulatory information www.rxmarine.com

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/S746%20MSDS.pdf>

1. Product and Company Identification

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Product Name RXSOL-51-6004-025
Product Type No. 34 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

2. Composition / Information on ingredients

www.rxmarine.com

INGREDIENT	%W/W	CAS number
Sodium Molybdate	7-13	7631-95-0
Morpholine	3-7	110-91-8
tetrasodium salt of ethylene diamine	3-7	64-02-8
tetraacetic acid (EDTA)		

3. Hazards Identification

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Consult the liquid eye irritant hazard if available.

4. First Aid Measures

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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

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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 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

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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

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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

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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
Sodium Molybdate	TLV-TWA 5 mg/m ³		
Morpholine	TLV (skin) 20 ppm		
tetrasodium salt of	Not available		

ethylene
diamine tetraacetic acid
(EDTA)

9. Physical and chemical properties

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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	Not available
Odour threshold	Not available
Sp. Gravity	1.0838
pH	9.7
Appearance & odour	clear, amber liquid with distinct odour

10. Stability and reactivity

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STABILITY

Conditions of instability	Not available
Incompatibility	<small>(1) Water (2) Oxidizers (3) Acids (4) Bases (5) Other</small>
Conditions of reactivity	<small>Not available</small>
Hazardous decomposition products	Not available

11. Toxicological information

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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	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

Sodium Molybdate	7631-95-0
Morpholine	110-91-8

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

12. Ecological information

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Ecotoxicological information	Not available
Other information	

13. Disposal considerations

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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

B3
D2B

Combustible Liquid
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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