

1. Product and Company Identification

www.rxmarine.com

Product Name RXSOL-51-6004-025
Product Type No. 38 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

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INGREDIENT	%W/W	CAS number
Sodium hydroxide (50%)	3-7	1310-73-2
Sodium molybdate	5-10	7631-95-0
Sodium nitrite	5-10	7632-00-0
tetrasodium salt of ethylene diamine tetraacetic acid (EDTA)	1-5	64-02-8

3. Hazards Identification

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Corrosive liquid. Causes burns. Harmful 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

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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

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Handling	Do not ingest. Avoid contact with eyes, skin and clothing.
Storage	Keep out of reach of children. Keep container tightly closed.

8. Exposure controls and personal protection

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Engineering controls	Provide exhaust ventilation to keep airborne levels below the recommended exposure limit.
Respiratory protection	Use appropriate respiratory protection.
Eye protection	Wear safety glasses.
Other protection	Wear protective clothing as necessary to prevent skin contact.

Exposure limits:

INGREDIENT	ACGIH	OSHA
Sodium hydroxide (50% Sol.)	2 mg/m ³ Ceil	Not available
Sodium molybdate	TLV-TWA 0.5 mg/m ³	
Sodium nitrite	Not available	
tetrasodium salt of ethylene diamine tetraacetic acid (EDTA)	Not available	

9. Physical and chemical properties

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Physical state	Liquid
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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	1.154
pH	13.5 - 14
Appearance & odour	clear, pale liquid

10. Stability and reactivity

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STABILITY

Conditions of instability	Not available <small>() Water (X) Oxidation (X) Acid () Base () Other</small>
Incompatibility	
Conditions of reactivity	Reacts with acids and metals
Hazardous decomposition products	Nitrogen compounds, nitrogen oxides and carbon oxides

11. Toxicological information

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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 respiratory system.
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%)	1310-73-2
Sodium molybdate	7631-95-0
Sodium nitrite	7632-00-0

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

14. Transport information

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TDG classification

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

15. Regulatory information

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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

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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/S750%20MSDS.pdf>

1. Product and Company Identification

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Product Name

RXSOL-51-6004-025

Product Type

No. 110 Descaler

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

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INGREDIENT	%W/W	CAS number
lactic acid (88%)	7-13	79-33-4
hydrochloric acid	15-40	7647-01-0

3. Hazards Identification

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Corrosive liquid. Causes burns. Harmful 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.
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Hazardous combustion products	May liberate carbon monoxide carbon dioxide and oxides of sodium
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appropriate container and flush with water.

7. Handling and Storage

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Handling
Storage

Do not ingest. Avoid contact with eyes, skin and clothing.
Keep out of reach of children. Keep container tightly closed.

8. Exposure controls and personal protection

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Engineering controls
Respiratory protection
Eye protection
Other protection

Provide exhaust ventilation to keep airborne levels below 1 mg/m³.

If respiratory controls are not used, use an appropriate NIOSH approved respirator.

Chemical goggles. Wear a face shield if splashing towards eyes.

Wear protective clothing as necessary to prevent skin contact.

Exposure limits:

INGREDIENT
lactic acid (88%)
oxalic acid
hydrochloric acid

ACGIH
Not available
TLV - 1 mg/m
TLV - 5 ppm

OSHA

9. Physical and chemical properties

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Physical state
Solubility in water
Boiling point
Vapour pressure
Vapour density
Evaporation rate
Freezing point
Odour threshold
Sp. Gravity
pH

100%
Not available
Not available
Not available
Not available
Not available
Not available
1.109

Liquid