### 1. Product and Company Identifaction

www.rxmarine.com

Product Name RXSOL-31-3028-0251

Product Type Cationic Organic Surface Agent T

Company Details:

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

Stock Point: Mumbai, Kandla, Chennai, Visakhapatnam, Kolkata, Fujairah, Oman, Kenya, Canada

Phone +91 22 27815541 / 42

Fax +91 22 2781 1318 :::AOH :0091 9821214367

Email care@rxmarine.com

# 2. Composition / Information on ingredients

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Hazardous Ingredients% by WeightCas No.SymbolCalcium Hypochlorite30-40%7778-54-3NAHydrated Lime30-40%1305-62-0O, Xn, N

Calcium Carbonate 25-30% 471-34-1

#### 3. Hazards Identification

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Odour Chlorine
Appearance White

Contact with eyes Risk of serious damage to eyes. Causes serious eye irritation.

Contact with skin Causes irritation, Prolonged skin contact will result in defatting of the

skin.

Contact with acid Contact with acids liberates toxic gas.

Warning! Do not use together with other products. May release dangerous gasesWarning! Do not use together with other products. May release

dangerous gases

#### 4. First Aid Measures

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Inhalation Do not induce vomiting person Give water or milk to drink

Skin Contact / Absorption Remove/Take off immediately all contaminated clothing. Rinse skin with

water/shower.Wash with plenty of soap and water.

Eye Contact Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy todo. Continue rinsing.Get immediate medical

advice/attention.

Ingestion Do not induce vomiting person Give water or milk to drink

Additional Information When in doubt or symptoms persist, seek medical attention. Use good

personal hygiene practices

# 5. Fire-fighting Measures

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- Non-flammable

- In case of fire: use water for extinction

**Environmental Precautions** 

- DO NOT USE dry extinguishers containing ammonium compounds such as dry powder.

#### 6. Accidental Release Measures

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Personal Precautions - Avoid raising dust

- Wear protective clothing as per section 8

- Contact with water may form explosive gases

- Evacuate the area and keep personnel upwind

- Avoid release to the environment.

- Do not allow to enter public sewers and watercourses

- If contamination of drainage systems or water courses is unavoidable,

immediately inform appropriate authorities

Immediate Actions

Use appropriate containment to avoid environmental contamination

(S57).

Clean Up Actions - Collect as much as possible in clean container for reuse or disposal

- Do not absorb spillage in sawdust or other combustible material

- Seek expert advice for removal and disposal of all contaminated

materials and wastes

Special Precautions Wear protective clothing as per section 8.

# 7. Handling and Storage

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Handling Procedures

Use proper equipment for lifting and transporting all containers. Use

sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure.

Storage Requirements Store in a cool, dry, well-ventilated place. Keep container tightly closed,

and away from incompatible materials. Keep out of the sun. .

# 8. Exposure controls and personal protection

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Exposure limits

Exposure controls

Occupational Exposure Controls

- No exposure limits have been set for this substance.
- Engineering controls should be provided which maintain airborne concentrations below the relevant guidelines
- In case of inadequate ventilation wear respiratory protection.
- Wear suitable protective clothing, including eye/face protection and gloves (butyl rubber are recommended)
- When handling this substance, e.g. sampling, wear goggles giving complete eye protection

# 9. Physical and chemical properties

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Physical State

Odor and Appearance Odor Threshold

Specific Gravity (Water=1)

Vapor Pressure (mm Hg, 20C) Vapor Density (Air=1)

Evaporation Rate

**Boiling Point** 

Solid

White, strong chlorine odour

~ 1.4 mg/m3 based on chlorine Specific Gravity (Water=1)

Not applicable

Not available. Not available.

not applicable

Freeze/Melting Point Decomposes at 125-130°C pH 10.4-10.8 (1% solution)
Water/Oil Distribution Coefficient Not applicable

Water/Oil Distribution Coefficient

Bulk Density

0.8 g/cm3

Volatiles by Volume

Not available

Solubility in Water

Not available

### 10. Stability and reactivity

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#### Reactivity

- Oxidising agent
- Warning! Do not use together with other products. May release dangerous gases (chlorine).

Chemical stability

- Decomposes above 200  $^{\circ}\mathrm{C}$ 

Possibility of hazardous reactions

- Contact with acids liberates toxic gas.

Conditions to avoid

- Avoid contact with acids and alkalis
- Avoid contact with combustible material
- Avoid contact with foodstuffs
- Avoid contact with reducing agents
- Keep away from heat and sources of ignition

Incompatible materials

- Incompatible with acids and alkalis
- Incompatible with reducing agents
- Contact with water may form explosive gases
- Contact with acids liberates toxic gas.

**Hazardous Decomposition Products** 

- Decomposition products may include carbon oxides
- Decomposition products include chlorine.
- Decomposition products may include phosg

# 11. Toxicological information

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Toxicological information - LD50 (oral,rat) 809 mg/kg

- LD50 (skin,rabbit) 7600 mg/kg- Irritation to eyes (rabbit) :Corrosive- Irritation to skin (rabbit): Moderate

Inhalation - May cause dizziness

- Causes coughing

- Can cause damage to the mucous membranes

- In cases of severe exposure, burning sensation may develop

- In cases of severe exposure, delayed pulmonary oedema may develop

- May cause irritation

- In cases of severe exposure, burning sensation may develop

- In cases of severe exposure, dermatitis may develop

- Causes severe irritation

- Can cause damage to the eyes

- The ingestion of significant quantities may cause damage to digestive

system

- The ingestion of significant quantities may cause burning sensation

No evidence of carcinogenic effects

# 12. Ecological information

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Toxicity

Contact with skin

Contact with eyes

Carcinogenicity

Ingestion