

## 1. Product and Company Identification

www.rxmarine.com

Product Name RXSOL-60-6605-489  
Product Type SODIUM CHLORITE FLAKES 80%  
Revised date

### Company Details:

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

Stock Point : Mumbai, Kandla, Chennai, Visakhapatnam, Kolkata, Fujairah, Muscat Barka

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

## 2. Composition / Information on ingredients

www.rxmarine.com

2.1. Substance : SODIUM CHLORITE 80%

CAS No : 7758-19-2

Substance.

Contains no other components or impurities which will influence the classification of the product.

2.2. Mixture

Not applicable

## 3. Hazards Identification

www.rxmarine.com

3.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Oxidising Solids, H272

Category 2

Acute toxicity (oral), H301

Category 3

Acute toxicity (dermal), H310

Category 1

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Acute toxicity H330

(inhalation:dust,mist)

Category 1

Skin corrosion/irritation, H314

Category 1

Hazardous to the aquatic H400

environment ⓘ Acute

Hazard, Category 1

Full text of classification categories and H statements : see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

Symbol(s) : O : Oxidizing

T : Very toxic

C: Corrosive

N : Dangerous for the environment

R Phrase(s) :R8 : Contact with combustible material may cause fire.

R20: Harmful by inhalation.

R24/25: Toxic in contact with skin and if swallowed.

R32: Contact with acids liberates very toxic gas.

R36/37/38: Irritating to eyes, respiratory system and skin.

S Phrase(s) : S17 : Keep away from combustible material.

S26 : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S27: Take off immediately all contaminated clothing

S36 : Wear suitable protective clothing.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

### 3.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Extra labelling to displayExtra classification(s) to display

Hazard pictograms

Signal word : Danger

Hazard statements : H272 - May intensify fire; oxidiser

H301 - Toxic if swallowed

H310+H330 - Fatal in contact with skin or if inhaled

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H314 - Causes severe skin burns and eye damage

H400 - Very toxic to aquatic life

Precautionary statements : P220 - Keep/Store away from clothing/ /combustible materials

P260 - Do not breathe dust/fume/gas/mist/vapours/spray

P273 - Avoid release to the environment

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P284 - [In case of inadequate ventilation] wear respiratory protection

P301+P310 - IF SWALLOWED: immediately call a POISON CENTER or doctor/physician

### 3.3. Other hazards

No additional information available

## 4. First Aid Measures

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

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. If you feel unwell, seek medical advice. First-aid measures after skin contact : Take off contaminated clothing. Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention. First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention. First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. If you feel unwell, seek medical advice.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Causes severe skin burns and eye damage.

Symptoms/injuries after inhalation : Fatal if inhaled.

Symptoms/injuries after skin contact : Fatal in contact with skin.

Symptoms/injuries after ingestion : Toxic if swallowed.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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## 5. Fire-fighting Measures

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

### 5.1. Extinguishing media

Suitable extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>).

Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : May intensify fire; oxidiser.

Explosion hazard : Explosive when mixed with combustible material. Heating may cause an explosion. Hazardous decomposition products in case of fire : Thermal decomposition generates : Toxic fumes may be released.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment.

## 6. Accidental Release Measures

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

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required.

Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Very toxic to aquatic life.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Large spills: scoop solid spill into closing containers.

### 6.4. Reference to other sections

No additional information available

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## 7. Handling and Storage

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

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin, eyes and clothing.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash ...  
thoroughly after handling.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Store in original container. Store in a  
dry place. Incompatible products : Oxidizing agent. Strong bases. Strong acids.

### 7.3. Specific end use(s)

No additional information available

## 8. Exposure controls and personal protection

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

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Hand protection : protective gloves

Eye protection : Chemical goggles or safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Wear respiratory protection

## 9. Physical and chemical properties

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

### 9.1. Information on basic physical and chemical properties

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Odour threshold : No data available

pH : 10 - 11

Relative evaporation rate (butylacetate=1) : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Relative density : No data available

Solubility : Water: Appreciable (> 10%) Log Pow : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosive properties : No data available

Oxidising properties : No data available

Explosive limits : ? 0.07 vol %

#### 9.2. Other information

No additional information available

## 10. Stability and reactivity

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

### 10.1. Reactivity

May cause or intensify fire; oxidizer.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Highly reactive material. Contact with acids liberates very toxic gas.

### 10.4. Conditions to avoid

Direct sunlight. Heat. Water, humidity.

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#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

No additional information available

## 11. Toxicological information

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

### 11.1. Information on toxicological effects

Acute toxicity : Oral: Toxic if swallowed. Dermal: Fatal in contact with skin.

Inhalation:dust/mist: Fatal if inhaled.

Skin corrosion/irritation : Causes severe skin burns and eye damage.

pH: 10 - 11

Serious eye damage/irritation : Serious eye damage, category 1, implicit

pH: 10 - 11

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Potential adverse human health effects and symptoms

: Harmful if swallowed. Toxic in contact with skin.

## 12. Ecological information

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

### 12.1. Toxicity

No additional information available

### 12.2. Persistence and degradability

No additional information available

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### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## 13. Disposal considerations

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

### 13.1. Waste treatment methods

Product/Packaging disposal

Recommendations : Dispose of contents/container to ...

Ecology - waste materials : Hazardous waste due to toxicity.

## 14. Transport information

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

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

UN-No. (ADR) : 1496

UN-No. (IMDG) : 1496

UN-No.(IATA) : 1496

UN-No.(ADN) : 1496

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : SODIUM CHLORITE

Proper Shipping Name (IMDG) : SODIUM CHLORITE

Proper Shipping Name (IATA) : SODIUM CHLORITE

Proper Shipping Name (ADN) : SODIUM CHLORITE

Proper Shipping Name (RID) : SODIUM CHLORITE



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Transport document description (ADR) : UN 1496 SODIUM CHLORITE, 5.1, II, (E)

, ENVIRONMENTALLY HAZARDOUS Transport document description (IMDG) : UN 1496 SODIUM CHLORITE, 5.1, II, MARINE POLLUTANT/ENVIRONMENTALLY

HAZARDOUS

Transport document description (IATA) : UN 1496 SODIUM CHLORITE, 5.1, II,

ENVIRONMENTALLY HAZARDOUS

Transport document description (ADN) : UN 1496 SODIUM CHLORITE, 5.1, II,

ENVIRONMENTALLY HAZARDOUS

Transport document description (RID) : UN 1496 SODIUM CHLORITE, 5.1, II,

ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

ADR : Transport hazard class(es) (ADR) : 5.1

Danger labels (ADR) : 5.1

IMDG :Transport hazard class(es) (IMDG) : 5.1

Danger labels (IMDG) : 5.1

IATA : Transport hazard class(es) (IATA) : 5.1

Hazard labels (IATA) : 5.1

ADN : Transport hazard class(es) (ADN) : 5.1

Danger labels (ADN) : 5.1

RID : Transport hazard class(es) (RID) : 5.1

Danger labels (RID) : 5.1

14.4. Packing group

Packing group (ADR) : II

Packing group (IMDG) : II

Packing group (IATA) : II

Packing group (ADN) : II

Packing group (RID) : II

14.5. Environmental hazards

Dangerous for the environment : Yes

Marine pollutant : Yes

Other information : No

supplementary information available

14.6. Special precautions for user

- Overland transport

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Classification code (ADR) : O2

Limited quantities (ADR) : 1kg

Excepted quantities (ADR) : E2

Packing instructions (ADR) : P002, IBC08

Special packing provisions (ADR) : B4

Mixed packing provisions (ADR) : MP2

Portable tank and bulk container

instructions (ADR) : T3

Portable tank and bulk container special

provisions (ADR) : TP33

Tank code (ADR) : SGAN

Tank special provisions (ADR) : TU3

Vehicle for tank carriage : AT

Transport category (ADR) : 2

Special provisions for carriage - Packages

(ADR) : V11

Special provisions for carriage - Loading,

unloading and handling (ADR) : CV24

Hazard identification number (Kemler No.) : 50

Orange plates : Tunnel restriction code (ADR) : E

EAC code : 1Y

- Transport by sea

Limited quantities (IMDG) : 1 kg

Excepted quantities (IMDG) : E2

Packing instructions (IMDG) : P002

IBC packing instructions (IMDG) : IBC08

IBC special provisions (IMDG) : B2, B4

Tank instructions (IMDG) : T3

Tank special provisions (IMDG) : TP33

EmS-No. (Fire) : F-H EmS-No. (Spillage) : S-Q

Stowage category (IMDG) : A

Segregation (IMDG) : SG38, SG49

MFAG-No : 143

- Air transport

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PCA Excepted quantities (IATA) : E2

PCA Limited quantities (IATA) : Y544

PCA limited quantity max net quantity

(IATA) :

2.5kg

PCA packing instructions (IATA) : 558

PCA max net quantity (IATA) : 5kg

CAO packing instructions (IATA) : 562

CAO max net quantity (IATA) : 25kg

ERG code (IATA) : 5L

- Inland waterway transport

Classification code (ADN) : O2

Limited quantities (ADN) : 1 kg

Excepted quantities (ADN) : E2

Equipment required (ADN) : PP

Number of blue cones/lights (ADN) : 0

- Rail transport

Classification code (RID) : O2

Limited quantities (RID) : 1kg

Excepted quantities (RID) : E2

Packing instructions (RID) : P002, IBC08

Special packing provisions (RID) : B4

Mixed packing provisions (RID) : MP2

Portable tank and bulk container

instructions (RID) : T3

Portable tank and bulk container special

provisions (RID) : TP33

Tank codes for RID tanks (RID) : SGAN

Special provisions for RID tanks (RID) : TU3

Transport category (RID) : 2

Special provisions for carriage ☐ Packages

(RID) : W11

Special provisions for carriage ☐ Loading

and unloading (RID) : CW24

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Colis express (express parcels) (RID) : CE10

Hazard identification number (RID) : 50

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## 15. Regulatory information

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

15.1. Safety, health and environmental regulations/legislation specific for  
the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Sodium chlorite is not on the REACH Candidate List

Sodium chlorite is not on the REACH Annex XIV List

15.1.2. National regulations

Germany

AwSV/VwVwS Annex reference : Water hazard class (WGK) 2, hazardous to water

(Classification according to VwVwS, Annex 2; WGK No 487)

12th Ordinance Implementing the Federal

Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous  
Incident Ordinance)

Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not  
allowed to use the product Pregnant/breastfeeding women working with the product must  
not be in direct contact with the product

15.2. Chemical safety assessment

No additional information available

## 16. Other information

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

Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic.

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vPvB: very persistent and very bioaccumulative

Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN  
PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification,  
labelling and packaging of substances and mixtures, amending and repealing Directives  
67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Further information : None.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation  
(CE) N° 1272/2008

8.1. Control parameters No additional information available 8.2. Exposure controls Hand protection : protective gloves Eye protection : Chemical  
goggles or safety glasses Skin and body protection : Wear suitable protective clothing Respiratory protection : Wear respiratory protection

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