Material Safety Data Sheet

SODIUM COBALTINITRITE AR (RXSOL-60-6605-493)

1. Product and Company Identifaction

Product Name	RXSOL-60-6605-493
Product Type	SODIUM COBALTINITRITE AR
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

Phone	+91 22 27815541 / 42
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	mail@rxmarine.com

2. Composition / informationon ingredients

Substance / Preparation : SODIUM COBALTINITRITE AR
CAS No :13600-98-1
Substance.
Contains no other components or impurities which will influence the classification of the product

3. Hazards Identification

3.1. Classification of the substance or mixture
Classification EC 67/548 or EC 1999/45
Classification : Xi; R36/37/38
Xn ; R42/43
Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)
Not classified.
3.2. Label elements
Labelling EC 67/548 or EC 1999/45
Symbol(s) : O : Oxidizing
Xn : Harmful
R Phrase(s) :
R36/37/38 : Irritating to eyes, respiratory system and skin.
R40 : Limited evidence of a carcinogenic effect.
R42/43 : May cause sensitization by inhalation and skin contact.
S Phrase(s) : S17 : Keep away from combustible material.
S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37 : Wear suitable protective clothing and gloves.
Labelling Regulation EC 1272/2008 (CLP)
Not classified.
3.3. Other hazards
Other hazards : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

4. First Aid Measures

4.1. Description of first aid measures
Inhalation : Assure fresh air breathing. Allow the victim to rest.
Skin contact : Remove affected clothing and wash all exposed skin area with mild soap

and water, followed by warm water rinse.
Eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
Ingestion : Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth.
4.2. Most important symptoms and effects, both acute and delayed
Symptoms relating to use : Not expected to present a significant hazard under anticipated conditions of normal use.
4.3. Indication of any immediate medical attention and special treatment needed
General information : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

5. Fire-fighting Measures

5.1. Extinguishing media
Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.
Surrounding fires : Use water spray or fog for cooling exposed containers.
5.2. Special hazards arising from the substance or mixture
Hazardous combustion products : Under fire conditions, hazardous fumes will be present.
5.3. Advice for fire-fighters
Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.
Special procedures : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures
For emergency responders : Equip cleanup crew with proper protection.
Ventilate area.
For non-emergency personnel : Evacuate unnecessary personnel.
6.2. Environmental precautions
Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.
6.3. Methods and material for containment and cleaning up
Clean up methods : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.
6.4. Reference to other sections
See section 8. Exposure controls/personal protection

7. Handling and Storage

7.1. Precautions for safe handling
Handling : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.
Technical protective measures : Provide good ventilation in process area to prevent formation of vapour.
7.2. Conditions for safe storage, including any incompatibilities
Storage : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.
Storage - away from : Strong bases. Strong acids. Sources of ignition. Direct sunlight.
7.3. Specific end use(s)
Specific end use(s) : None.

8. Exposure controls and personal protection

8.1. Exposure controls
Personal protection : Avoid all unnecessary exposure.
• Respiratory protection : Wear approved mask.
• Hand protection : Wear protective gloves.
• Eye protection : Chemical goggles or safety glasses.
• Others : When using, do not eat, drink or smoke.
8.2. Control parameters
Occupational Exposure Limits : No data available.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties
Physical state at 20 °C : Solid.
Odour : Odorless
Odour threshold : No data available.
pH value : Not applicable.
Melting point [°C] : 220 °C
Decomposition point [°C] : N/A
Critical temperature [°C] : N/A
Auto-ignition temperature [°C] : N/A
Flammability (solid, gas) : N/A
Flash point [°C] : N/A
Boiling point [°C] : N/A
Initial boiling point [°C] : N/A
Final boiling point [°C] : N/A
Evaporation rate : N/A
Vapour pressure [20°C] : N/A
Vapour pressure mm/Hg : N/A
Vapour density : N/A
Density [g/cm3] : N/A
Relative density, gas (air=1) : N/A
Relative density, liquid (water=1) : N/A
Solubility in water [% weight] : Soluble in water
Solubility in water : N/A
Log Pow octanol / water at 20°C : No data available.
Solubility : N/A
Viscosity at 40°C [mm2/s] : N/A
9.2. Other information
Explosive properties : N/A
Explosion limits - upper [%] : N/A
Explosion limits - lower [%] : N/A
Oxidising properties : No data available.

10. Stability and reactivity

10.1. Reactivity
Reactivity : Not established.
10.2. Chemical stability
Chemical stability : Stable under recommended storage conditions.
10.3. Possibility of hazardous reactions
Hazardous reactions : Not established.
10.4. Conditions to avoid
Conditions to avoid : Direct sunlight. Extremely high or low temperatures.
10.5. Incompatible materials
Materials to avoid : Strong acids. Strong bases.
10.6. Hazardous decomposition products
Hazardous decomposition products : Fumes. Carbon monoxide. Carbon dioxide.

11. Toxicological information

11.1. Information on toxicological effects
Acute toxicity
• Inhalation : Based on available data, the classification criteria are not met
• Dermal : Based on available data, the classification criteria are not met.
• Ingestion : Based on available data, the classification criteria are not met.
Corrosion : Based on available data, the classification criteria are not met.
Irritation : Based on available data, the classification criteria are not met.
Sensitization : Based on available data, the classification criteria are not met.
Mutagenicity : Based on available data, the classification criteria are not met.
Carcinogenicity : Based on available data, the classification criteria are not met.
Toxic for reproduction : Based on available data, the classification criteria are not met.
STOT-single exposure : Based on available data, the classification criteria are not met.
STOT-repeated exposure : Based on available data, the classification criteria are not met.
Aspiration hazard : Based on available data, the classification criteria are not met.

12. Ecological information

12.1. Toxicity
Toxicity information : Not established.
12.2. Persistence - degradability
Persistence - degradability : Biodegradable.
12.3. Bioaccumulative potential
Bioaccumulative potential : Not established.
12.4. Mobility in soil
Mobility in soil : Not established.
12.5. Results of PBT and vPvB assessment
Results of PBT and vPvB assessment : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.
12.6. Other adverse effects
Environmental precautions : Avoid release to the environment.

13. Disposal considerations

13.1. Waste treatment methods
General : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

14. Transport information

14.1. Land transport (ADR-RID)
Proper shipping name : OXIDIZING SOLID, N.O.S.
UN N° : 1479
H.I. nr : 50
ADR - Class : 5.1
Labelling - Transport : 5.1 : Oxidizing substances.
JÑ ADR - Classification code : O2
ADR - Group : II
ADR - Packing instructions : P002
ADR - Limited Quantity : 1 KG
ADR - Tunnel code : E : Passage forbidden through tunnels of category E.
14.2. Sea transport (IMDG) [English only]
Proper shipping name : OXIDIZING SOLID, N.O.S.
UN N° : 1479
IMO-IMDG - Class or division : 5.1 : Oxidizing substances.
IMO-IMDG - Packing group : II
IMO- IMDG - Packing instructions : P002
IMO-IMDG - Limited quantities : 1 kg
IMO-IMDG - Marine pollution : No
EMS-Nr : F-A S-Q
14.3. Air transport (ICAO-IATA) [English only]
Proper shipping name : OXIDIZING SOLID, N.O.S
. UN N° : 1479
IATA - Class or division : 5.1 : Oxidizing substances.
IATA - Packing group : II
IATA - Passenger and Cargo Aircraft : ALLOWED
- Passenger and Cargo - Packing : 558
instruction
- Passenger and Cargo - Maximum : 5 kg
Quantity/Packing
IATA - Cargo only : ALLOWED
- Cargo only - Packing instruction : 562 -
Cargo only - Maximum Quantity/ : 25 kg
Packing IATA - Limited Quantites : 2.5 kg
ERG-Nr : 5L

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Safety, health and environmental : Ensure all national/local regulations are observed.
regulations/legislation specific for the substance or mixture
REACH Restrictions - Annex XVII : The components of this product are not subject to restrictions.
REACH Authorisation - Annex XIV : The components of this product are not subject to authorization.
15.2. Chemical Safety Assessment

Chemical Safety Assessment : It has not been carried out.

16. Other information

Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic.
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) Nº 1907/2006 and with CLP Regulation (CE) Nº 1272/2008 DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling,storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.
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
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

1. Product and Company Identifaction

Product Name	RXSOL-60-6605-488
Product Type	SODIUM CHLORITE FLAKES 80%
Revised date	

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
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Stock Point : Mumbai, Kandla, Chennai, Visakhapatnam, Kolkata, Fujairah, Muscat Barka

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2. Composition / informationon ingredients

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

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
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 librates 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 advise
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
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

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.

5. Fire-fighting Measures

5.1. Extinguishing media
Suitable extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).
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

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

7. Handling and Storage

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

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

9.1. Information on basic physical and chemical properties
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

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.
10.5. Incompatible materials
No additional information available
10.6. Hazardous decomposition products
No additional information available

11. Toxicological information

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

12.1. Toxicity
No additional information available
12.2. Persistence and degradability
No additional information available
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

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

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
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
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
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
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

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

Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic.
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) Nº 1907/2006 and with CLP Regulation

(CE) Nº 1272/2008 DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling,storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.
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
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

1. Product and Company Identifaction

Product Name	RXSOL-60-6605-488
Product Type	SODIUM CHLORITE FLAKES 80%
Revised date	

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
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2. Composition / informationon ingredients

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

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
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 librates 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 advise
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
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

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.

5. Fire-fighting Measures

5.1. Extinguishing media
Suitable extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).
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

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

7. Handling and Storage

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

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

9.1. Information on basic physical and chemical properties
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

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.
10.5. Incompatible materials
No additional information available
10.6. Hazardous decomposition products
No additional information available

11. Toxicological information

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

12.1. Toxicity
No additional information available
12.2. Persistence and degradability
No additional information available
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

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

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
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