# Material Safety Data Sheet

**CAPRYLIC ACID SODIUM SALT** (RXSOL-60-6604-247)

## 1. Product and Company Identifaction

| | |
|---|---|
| Product Name | **RXSOL-60-6604-233** |
| Product Type | CALCIUM NITRATE 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 |
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| Email | **mail@rxmarine.com** |

## 2. Composition / informationon ingredients

**2.1. Substances :** CALCIUM NITRATE AR
CAS-No. : 13477-34-4
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 according to Regulation (EC) No. 1272/2008 [CLP]**
Oxidising Solids, H272
Category 3
**Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]**
O; Xi; R8
**Adverse physicochemical, human health and environmental effects**
No additional information available
**3.2. Label elements**
**Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to displayExtra classification(s) to display**
**Symbol(s) :** O : Oxidizing
Xi : Irritation.
**R Phrase(s) :** R8: Contact with combustible material may cause fire.
R36/38: Irritating to eyes 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.
S36: Wear suitable protective clothing.
**Hazard pictograms**



**Signal word :** Warning
**Hazard statements :** H272 - May intensify fire; oxidiser.
**Precautionary statements :** P220 - Keep/Store away from clothing and other combustible materials.
**3.3. Other hazards**
No additional information available

## 4. First Aid Measures

**4.1. Description of first aid measures**
First-aid measures after inhalation : Assure fresh air breathing. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact : Wash with plenty of water/…. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Get medical advice/attention.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
First-aid measures after ingestion : Rinse mouth. Do not induce vomiting.
**4.2. Most important symptoms and effects, both acute and delayed**
No additional information available
**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 : Carbon dioxide. Dry powder. Foam. Water spray.
Unsuitable extinguishing media : Do not use a heavy water stream.
**5.2. Special hazards arising from the substance or mixture**
No additional information available
**5.3. Advice for firefighters**
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## 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 : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.
**6.2. Environmental precautions**
Avoid release to the environment.
**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. On land, sweep or shovel into suitable 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 and eyes. Do not breathe vapours.
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
**7.2. Conditions for safe storage, including any incompatibilities**
Storage conditions : Store in a well-ventilated place. Keep container tightly closed.
**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 : [In case of inadequate ventilation] wear respiratory protection.

## 9. Physical and chemical properties

**9.1. Information on basic physical and chemical properties**
**Odour threshold :** No data available
**pH :** 5.5 - 7
**Relative evaporation rate (butylacetate=1) :** No data available
**Melting point :** 44 °C
**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
**Density :** 1.86 g/cm³
**Solubility :** Water: 121 g/100ml
**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 : No data available
**9.2. Other information**
No additional information available

## 10. Stability and reactivity

**10.1. Reactivity**
No additional information available
**10.2. Chemical stability**
Stable under normal conditions.
**10.3. Possibility of hazardous reactions**
No additional information available
**10.4. Conditions to avoid**
Air contact. Direct sunlight. Moisture.
**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 : Not classified
Skin corrosion/irritation : Not classified
pH: 5.5 - 7
Serious eye damage/irritation : Not classified
pH: 5.5 - 7
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

## 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**
No additional information available

## 14. Transport information

In accordance with ADR / RID / IMDG / IATA / ADN
**14.1. UN number**
UN-No. (ADR) : 1454
UN-No. (IMDG) : 1454
UN-No. (IATA) : 1454
UN-No. (ADN) : 1454
UN-No. (RID) : 1454
**14.2. UN proper shipping name**
Proper Shipping Name (ADR) : CALCIUM NITRATE
Proper Shipping Name (IMDG) : CALCIUM NITRATE
Proper Shipping Name (IATA) : Calcium nitrate
Proper Shipping Name (ADN) : CALCIUM NITRATE
Proper Shipping Name (RID) : CALCIUM NITRATE
Transport document description (ADR) : UN 1454 CALCIUM NITRATE, 5.1, III, (E)
Transport document description (IMDG) : UN 1454 CALCIUM NITRATE, 5.1, III
Transport document description (IATA) : UN 1454 Calcium nitrate, 5.1, III Transport document description (ADN) : UN 1454 CALCIUM NITRATE, 5.1, III Transport document description (RID) : UN 1454 CALCIUM NITRATE, 5.1, III
**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) : III
Packing group (IMDG) : III
Packing group (IATA) : III
Packing group (ADN) : III
Packing group (RID) : III
**14.5. Environmental hazards**
Dangerous for the environment : No
Marine pollutant : No
Other information : No
supplementary information available
**14.6. Special precautions for user**
**Overland transport-** Classification code (ADR) : O2
Special provisions (ADR) : 208
Limited quantities (ADR) : 5kg
Excepted quantities (ADR) : E1
Packing instructions (ADR) : P002, IBC08, LP02, R001
Special packing provisions (ADR) : B3
Mixed packing provisions (ADR) : MP10
Portable tank and bulk container instructions (ADR) : T1, BK1, BK2, BK3
Portable tank and bulk container special provisions (ADR) : TP33
Tank code (ADR) : SGAV
Tank special provisions (ADR) : TU3
Vehicle for tank carriage : AT
Transport category (ADR) : 3
Special provisions for carriage – Bulk (ADR) : VC1, VC2, AP6, AP7
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 : 1Z
**Transport by sea-** Special provisions (IMDG) : 208, 967

Limited quantities (IMDG) : 5 kg
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : P002, LP02
IBC packing instructions (IMDG) : IBC08
IBC special provisions (IMDG) : B3
Tank instructions (IMDG) : T1, BK2, BK3
Tank special provisions (IMDG) : TP33
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-Q
Stowage category (IMDG) : A
Stowage and handling (IMDG) : SW23
Properties and observations (IMDG) : White deliquescent solid, soluble in water. Mixtures with combustible material are readily ignited and may burn fiercely. Harmful if swallowed.
MFAG-No : 140
**Air transport-** PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y546
PCA limited quantity max net quantity (IATA) : 10kg
PCA packing instructions (IATA) : 559
PCA max net quantity (IATA) : 25kg
CAO packing instructions (IATA) : 563
CAO max net quantity (IATA) : 100kg
Special provisions (IATA) : A83, A803
ERG code (IATA) : 5L
**Inland waterway transport-** Classification code (ADN) : O2
Special provisions (ADN) : 208
Limited quantities (ADN) : 5 kg
Excepted quantities (ADN) : E1
Carriage permitted (ADN) : B
Equipment required (ADN) : PP
Provisions prior to loading (ADN) : LO04
Provisions for carriage in bulk (ADN) : CO02
Number of blue cones/lights (ADN) : 0
Additional requirements/Remarks (ADN) : CO02 and LO04 apply only when this substance is carried in bulk or without packaging
**Rail transport-** Classification code (RID) : O2
Special provisions (RID) : 208
Excepted quantities (RID) : E1
Packing instructions (RID) : P002, IBC08, LP02, R001
Special packing provisions (RID) : B3
Mixed packing provisions (RID) : MP10
Portable tank and bulk container instructions (RID) : T1, BK1, BK2, BK3
Portable tank and bulk container special provisions (RID) : TP33
Tank codes for RID tanks (RID) : SGAV
Special provisions for RID tanks (RID) : TU3
Transport category (RID) : 3
Special provisions for carriage – Bulk (RID) : VC1, VC2, AP6, AP7
Special provisions for carriage - Loading, unloading and handling (RID) : CW24
Colis express (express parcels) (RID) : CE11
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
CALCIUM NITRATE TETRAHYDRATE AR/ACS is not on the REACH Candidate List
CALCIUM NITRATE TETRAHYDRATE AR/ACS is not on the REACH Annex XIV List

**15.1.2. National regulations**

**Germany**

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

**Netherlands**

SZW-lijst van kankerverwekkende stoffen : The substance is not listed
SZW-lijst van mutagene stoffen : The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed
NIET-limitatieve lijst van voor de

voortplanting giftige stoffen – Vruchtbaarheid : The substance is not listed
NIET-limitatieve lijst van voor de
voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

**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.

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