

## 1. Product and Company Identification

www.rxmarine.com

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

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Email [mail@rxmarine.com](mailto:mail@rxmarine.com)

## 2. Composition / Information on ingredients

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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

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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 display  
Extra classification(s) to display

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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 advice.

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

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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

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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

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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

[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 : 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

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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 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

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### 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

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

Odour threshold : No data available

pH : 5.5 - 7

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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/cm<sup>3</sup>

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

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### 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.

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#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

No additional information available

## 11. Toxicological information

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#### 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

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

#### 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

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No additional information available

#### 12.6. Other adverse effects

No additional information available

## 13. Disposal considerations

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### 13.1. Waste treatment methods

No additional information available

## 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) : 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

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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

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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

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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

[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

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

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

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

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) N° 1907/2006 and with CLP Regulation

(CE) N° 1272/2008

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