

## 1. Product and Company Identification

www.rxmarine.com

Product Name RXSOL-60-6604-816  
Product Type LEAD NITRATE PURE

### 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](mailto:mail@rxmarine.com)

## 2. Composition / Information on ingredients

www.rxmarine.com

Substance / Preparation : LEAD NITRATE PURE 99%

CAS No :10099-74-8

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

## 3. Hazards Identification

www.rxmarine.com

### 3.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification : Xn; R20/22 R33

Xi; R41 N; R50-53

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Health hazards : Acute toxicity, Oral - Category 4 - Warning (CLP : Acute Tox. 4) H302

Acute toxicity, Inhalation - Category 4 - Warning (CLP : Acute Tox. 4) H332

Environmental hazards : Hazardous to the aquatic environment

- Acute hazard - Category 1 - Warning (CLP : Aquatic Acute 1) H400

### 3.2. Label elements

Labelling EC 67/548 or EC 1999/45

Symbol(s) : O : Oxidizing T : Toxic N : Dangerous for the environment

R Phrase(s) : R61 : May cause harm to the unborn child.

R20/22 : Harmful by inhalation and if swallowed.

---

R33 : Danger of cumulative effects.

R41 : Risk of serious damage to eyes.

R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects

in the aquatic environment. R62 : Possible risk of impaired fertility. S

Phrase(s) : S53 : Avoid exposure - obtain special instructions before use.

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

S39 : Wear eye/face protection.

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

S60 : This material and its container must be disposed of as hazardous waste.

S61 : Avoid release to the environment. Refer to special instructions/Safety data sheets.

Labelling Regulation EC 1272/2008 (CLP)

Hazard pictograms :

Signal words : Warning Hazard statements : H302 : Harmful if swallowed.

H332 : Harmful if inhaled. H400 : Very toxic to aquatic life. Precautionary statements

☒ Prevention : P271: Use only outdoors or in a well-ventilated area.

P261: Avoid breathing dust, fume, gas, mist, vapours, spray.

P273: Avoid release to the environment. P264: Wash thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

☒ Response : P301+P312: IF SWALLOWED : Call a POISON CENTER or doctor if you feel unwell.

P391: Collect spillage.

P304+P340: IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing.

☒ Disposal considerations : P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 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

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

### 4.1. Description of first aid measures

Inhalation : Assure fresh air breathing.

---

Allow the victim to rest. Call a POISON CENTER or doctor if you feel unwell.

Remove to fresh air and keep at rest in a position comfortable for breathing.

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. Call a POISON CENTER or doctor if you feel unwell.

Do NOT induce vomiting. Rinse mouth.

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

Symptoms relating to use : Danger of serious damage to health by prolonged

exposure through inhalation. Swallowing a small quantity of this material

will result in serious health hazard.

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

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

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

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

### 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. Avoid release to the environment.

### 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

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

### 7.1. Precautions for safe handling

Handling : Avoid breathing dust, fume, gas, mist, vapours, spray.

Do not eat, drink or smoke when using this product. Use only outdoors

or in a well-ventilated area. Wash thoroughly after handling.

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

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

## 8.1. Exposure controls

Personal protection : Avoid all unnecessary exposure.

☒ Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

☒ 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

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

## 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] : 205 °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 : 11

---

Density [g/cm<sup>3</sup>] : 4,53

Relative density, gas (air=1) : N/A

Relative density, liquid (water=1) : N/A

Solubility in water

[% weight] : 50 gm in 100 gm of w

Solubility in water : N/A

Log Pow octanol / water at 20°C : No data available.

Solubility : 3 - 4

Viscosity at 40°C

[mm<sup>2</sup>/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

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

### 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

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

### 11.1. Information on toxicological effects

Acute toxicity

☒ Inhalation : Harmful if inhaled.

☒ Dermal : Based on available data, the classification criteria are not met.

☒ Ingestion : Harmful if swallowed. 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

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

### 12.1. Toxicity

Toxicity information : Very toxic to aquatic life.

### 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

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

#### 13.1. Waste treatment methods

General : Avoid release to the environment.

Dispose in a safe manner in accordance with

local/national regulations. Dispose of this material

and its container to hazardous or special waste

collection point, in accordance with local, regional,

national and/or international regulation.

### 14. Transport information

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

#### 14.1. Land transport (ADR-RID)

Proper shipping name : LEAD NITRATE

UN N° : 1469

H.I. nr : 56

ADR - Class : 5.1

Labelling - Transport : 5.1 : Oxidizing

substances. 6.1 : Toxic substances.

ADR - Classification code : OT2 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 : LEAD NITRATE

UN N° : 1469

IMO-IMDG - Class or division : 5.1 : Oxidizing

substances. ( 6.1 : Toxic substances. )

IMO-IMDG - Packing group : II

IMO- IMDG - Packing instructions : P002

IMO-IMDG - Limited quantities : 1 kg

IMO-IMDG - Marine pollution : Yes

EMS-Nr : F-A S-Q

#### 14.3. Air transport (ICAO-IATA) [English only]

Proper shipping name : LEAD NITRATE

UN N° : 1469

IATA - Class or division : 5.1 : Oxidizing

substances. ( 6.1 : Toxic 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 Quantities : 1 kg

ERG-Nr : 5P

## 15. Regulatory information

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

#### 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

[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

**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.