

# 1. Product and Company Identification

www.rxmarine.com

Product Name      RXSOL-60-6250-500  
Product Type      Potassium Nitrate

## Company Details:

RX MARINE INTERNATIONAL  
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# 2. Composition / Information on ingredients

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SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
Potassium Nitrate	CAS 7757-79-1	100%	W/W	TXDS: orl-rat LD <sub>50</sub> : 3750 mg/Kg

# 3. Hazards Identification

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Heat, shock, friction, or contact with other materials may cause fire or explosion. Harmful if swallowed. Avoid breathing vapor or dust. Use adequate ventilation. Avoid contact with eyes, skin or clothes. Wash thoroughly after handling. Keep closed.

Emergency Overview/ Danger! Strong Oxidant. Contact With Other Material May Cause Fire. Harmful If Swallowed. Irritant On Absorbed Through Skin. Causes Irritation To Skin, Eyes And Respiratory Tract.

Irritation Causes Irritation to the respiratory tract. Symptoms may include coughing, shortness of breath.

Irritation Causes Irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhea. May cause gastroenteritis and abdominal pain. Nausea, vomiting, diarrhea, rapid heart beat, irregular breathing, convulsions, coma, and death can occur should this substance come in contact with the skin. Chronic exposure to irritants may cause adverse and adverse effects to kidney.

Skin Causes Irritation to skin. Symptoms include redness, itching and pain.

Eye Contact Causes Irritation, redness, and pain.

Chronic Exposure Under some circumstances methemoglobinemia occurs in individuals when the nitrate is converted by bacteria in the stomach to nitrite. Nausea, vomiting, diarrhea, rapid heart beat, irregular breathing, convulsions, coma, and death can occur should this substance take place. Chronic exposure to irritants may cause adverse and adverse effects to kidney.

Approved by Exposure/No Information Found

# 4. First Aid Measures

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Heat, shock, friction, or contact with other materials may cause fire or explosion. Harmful if swallowed. Avoid breathing vapor or dust. Use adequate ventilation. Avoid contact with eyes, skin or clothes. Wash thoroughly after handling. Keep closed.

SKIN:	Wash exposed area with soap and water. If irritation persists, seek medical attention.
EYES:	Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid.
INHALATION:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

**INGESTION:**

If swallowed, induce vomiting immediately after giving two glasses of

**5. Fire-fighting Measures** www.rxmarine.com

<p>Fire Extinguisher Type:</p>	<p>Water spray contact with other material causes fire.</p>
<p>Fire / Explosion Hazards:</p>	
<p>Fire Fighting Procedures:</p>	<p>Wear self-contained breathing apparatus and protective clothing to prevent contact with fire and cooling.</p>

**6. Accidental Release Measures** www.rxmarine.com

evacuate area. Wear self-contained breathing apparatus and protective clothing. Cover with dry lime or soda ash. Remove all sources of ignition. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Clean up spills in a manner that does not disperse dust into the air. Use non-sparking tools and equipment. Reduce airborne dust and prevent scattering by moistening with water. Pick up spill for recovery or disposal and place in a closed container.

**7. Handling and Storage** www.rxmarine.com

Store in a cool, dry, well-ventilated place away from incompatible materials. Wash thoroughly after handling and inhibition of dust.

**8. Exposure controls and personal protection** www.rxmarine.com

Respiratory Protection	NIOSH/MSHA-approved respirator
Ventilation	Local
OTHER	Mechanical
Protective Gloves	chemical resistant gloves.
EYE PROTECTION	Splash Goggles
Other Protective Equipment	Wear appropriate clothing to prevent skin exposure

**9. Physical and chemical properties** www.rxmarine.com

BOILING POINT	<p>decamp @ 400°C</p>
VAPOR PRESSURE	not applicable
MELTING POINT	702°C
VAPOR DENSITY	not applicable
EVAPORATION RATE	not applicable
Appearance /Odors	white crystals
Flash Point	information not available
Specific Gravity	2.108
Particle Size (by)	100%
Exposure Standard	
Air Quality Temp	information not available
Lower Flamm. Limit in Air	information not available
Upper Flamm. Limit in Air	information not available
Solubility in Water	insoluble

## 10. Stability and reactivity

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### STABILITY

CONDITIONS TO AVOID Avoid contact with heat, sparks, flames, or other sources of ignition.

### MATERIALS TO AVOID

### HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION Will Not Occur  
Conditions to Avoid None known

## 11. Toxicological information

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Carcinogenic References: NTP Carcinogen - Known: No, IARC Category- None

## 12. Ecological information

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Environmental Fate: No information found.

Environmental Toxicity: No information found.

## 13. Disposal considerations

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Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

## 14. Transport information

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DOT Classification: UN1486, Potassium Nitrate, 5.1, PG III

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

## 15. Regulatory information

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### Chemical Inventory Status

Part 1: Ingredient

Potassium Nitrate (7757-79-1)

TSCA Yes

EC Yes

Japan YES

Australia Yes

### Chemical Inventory Status

Part 2: Ingredient

Potassium Nitrate (7757-79-1)

Korea Yes

DSL Yes

NDSL No

Phil. Yes

### Federal, State & International Regulations

Part 1: Ingredient.

Potassium Nitrate (7757-79-1)

RQ No  
TPQ No  
List NO  
Chemical Catg No

Federal, State &  
International Regulations ☐  
Part 2:Ingredient  
Potassium Nitrate (7757-79-1)  
CERCLA NO  
261.33 No  
8(d) No

Chemical Weapons Convention: No  
TSCA 12 (b):No  
CDTA:No PURE/SOLID  
SARA 311/312: Acute:YES  
Chronic: YES  
Fire: YES  
Pressure: No  
Reactivity: No  
Australian Hazchem Code: 1T  
Poison Schedule:NONE ALLOCATED

## 16. Other information

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**DANGER!!** This material emits TOXIC fumes at high temperatures. Effects of over exposure:irritation of the eyes,skin upper respiratory tract and mucous membranes. Methemoglobin formation which in sufficient amounts can cause cyanosis.,this onset can be delayed 2- 4 hours. Acute:the acute systems will be more severe than the effects of over exposure.Chronic: continues to be more severe than the effects of over exposure and acute. Target organs: blood and central nervous system. Conditions aggravated/target organs. Persons with pre-existing eye, skin, or respiratory conditions may be

### Flammability

Health

Reactivity

Revisions

NFPA

6/22/2010

0.1 updated msds to 16 section from 10 section msds. STN

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