Material Safety Data Sheet

Potassium Nitrate (RXSOL-60-6250-500)

1. Product and Company Identifaction

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

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / informationon ingredients

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

3. Hazards Identification

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 Oxidizer. Contact With Other Material May Cause Fire. Harmful If Swallowed, Inhaled Or Absorbed Through Skin. Causes Irritation To Skin, Eyes And Respiratory Tract.

Inhalation:Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath.

Ingestion:Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhea. May cause gastroenteritis and abdominal pains. Purging and diuresis can be expected. Rare cases of nitrates being converted to the more toxic nitrites have been reported, mostly with infants.

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, dizziness, rapid heart beat, irregular breathing, convulsions, coma, and death can occur should this conversion take place. Chronic exposure to nitrites may cause anemia and adverse effects to kidney.

Aggravated by Exposure:No Information Found.

4. First Aid Measures

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

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

6. Accidental Release Measures

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

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

8. Exposure controls and personal protection

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

BOILING POINT	decomp @400°c
VAPOR PRESSURE	not
MELTING POINT	752°c
VAPOR DENSITY	not

EVAPORATION RATE	not applicable
Appearance /Odors	white crystals
Flash Point	information not available
Specific Gravity	2.109
Percent Volatile by Evaporation Standard	100%
Auto Ignition Temp	information not available
Lower Flamm. Limit in Air	information not available
Upper Flamm. Limit in Air	information not available
Solubility in Water	soluable

10. Stability and reactivity

STABILITY	Stable
CONDITIONS TO AVOID	Avoid contact with heat, sparks, flames, or other sources of ignition.
MATERIALS TO AVOID	strong oxidizers, reducing agents, finely powered metals, acids.
HAZARDOUS DECOMPOSITION PRODUCTS	nitrogen oxides and toxic fumes.
HAZARDOUS POLYMERIZATION	Will Not Occur
Conditions to Avoid	None known

11. Toxicological information

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

12. Ecological information

Environmental Fate:No information found.

Environmental Toxicity:No information found.

13. Disposal considerations

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

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

Chemical Inventory Status –
Part 1:Ingrdient
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

DANGER!! This material emits TOXIC fumes at high tempertures. Effects of over exposure:irritation of the eyes,skin upper respiratory tract and mucous membranes. Methemoglobin formation which in sufficent 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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