Material Safety Data Sheet

Potassium Nitrate, Saturated Solution (RXSOL-60-6204-100)

1. Product and Company Identifaction

Product Name	RXSOL-60-6204-100
Product Type	Potassium Nitrate, Saturated Solution

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	40 - 70%	W/V	TXDS: orl-rat 79-1 LD••: 3750 mg/Kg
Water, Deionized ASTM Type II	CAS# 7732-18-5	30-60%	V/V	None Established

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:Warning! Causes irritation to skin, eyes and respiratory tract. Harmful if swallowed or inhaled.

Inhalation:Effects are expected to be less severe than for exposure to higher concentrations wheresymptoms include irritation to the respiratory tract with coughing and shortness of breath.

Ingestion:Effects are expected to be less severe to exposure to higher concentrations where symptoms Include irritation to the gastrointestinal tract with nausea, vomiting and diarrhea.

Skin:Effects are expected to be less severe than for exposure to higher concentrations where symptoms include irritation to the skin with redness, itching and pain.

Eye Contact:Effects are expected to be less severe than exposure to higher concentrations where symptoms include eye irritation, redness and pain.

Chronic Exposure:No information found.

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:	Remove contaminated clothing. Wash exposed area with soap and water. if irritation persists, seek medical attention. Potassium Nitrate
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 water. Never give anything by mouth to an unconscious person.

5. Fire-fighting Measures

Fire Extinguisher Type:	Carbon Dioxide, dry chemical powder or appropriate foam oxidizer. Contact with combustible
Fire / Explosion Hazards:	materials may cause a fire.
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

6. Accidental Release Measures

Absorb spill with inert material, then place in a chemical waste container. Dispose of in a manner consistent with federal, local law.

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in section 8. Contain and recover liquid when possible. Collect liquid in an appropriate container or absorb with an inert material (vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust

7. Handling and Storage

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

8. Exposure controls and personal protection

Respiratory Protection	None required
Ventilation	Local
OTHER	Mechanical
Protective Gloves	Wear appropriate gloves to prevent skin exposure
EYE PROTECTION	Splash Goggles
Other Protective Equipment	Wear appropriate clothing to prevent skin exposure

9. Physical and chemical properties

BOILING POINT	Information not available
VAPOR PRESSURE	Information not available
MELTING POINT	Information not available
VAPOR DENSITY	Information not available
EVAPORATION RATE	Information not available
Appearance /Odors	Clear odorless liquid
Flash Point	Not applicable

Specific Gravity	Information not available
Percent Volatile by Evaporation Standard	Information not available
Auto Ignition Temp	Information not available
Lower Flamm. Limit in Air	Information not available
Upper Flamm. Limit in Air	Not applicable
Solubility in Water	Soluble

10. Stability and reactivity

STABILITY	Stable
CONDITIONS TO AVOID	Avoid contact with incompatible materials.
MATERIALS TO AVOID	educing agents, finely powered metals, acids.
HAZARDOUS DECOMPOSITION PRODUCTS	Nitrogen compounds, toxic fumes
HAZARDOUS POLYMERIZATION	Not expected to 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.

13. Disposal considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal 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: UN3139, Oxidizing Liquid, n.o.s.(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
SARA 311/312: Acute: Yes
Chronic: Yes
Fire: NO
Pressure: No
Reactivity: No (MIXTURE/SOLID)
Australian Hazchem 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 more susceptible. Strong oxidizer. Contact with other material may cause fire. Harmful if inhaled, swallowed or absorbed through the skin.

Flammability

Health Reactivity

Revisions	NFPA
7/7/2010	0.1 updated msds to 16 section from 10 section msds. STN

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