

1. Product and Company Identification

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

Company Details:

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2. Composition / Information on ingredients

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SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<small>Potassium Nitrate</small>	<small>CAS# 7757-09-1</small>	40 - 70%	W/V	TXDS: orl-rat 79-1 LD ₅₀ : 3750 mg/Kg
Water, Deionized ASTM Type II	<small>CAS# 7732-18-5</small>	30-60%	V/V	None Established

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: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

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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: Remove contaminated clothing. Wash exposed area with soap and

EYES:

water. if irritation persists, seek medical attention. Potassium Nitrate
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

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Fire Extinguisher Type:

Carbon Dioxide, dry chemical powder or appropriate foam solution. Contact with combustibles

Fire / Explosion Hazards:

materials may cause a fire.

Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing to prevent contact with fire and charring.

6. Accidental Release Measures

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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

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

8. Exposure controls and personal protection

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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

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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

Information not available

Evaporation Standard

Amb Airborne Temp

Information not available

Solubility in Water

Soluble

10. Stability and reactivity

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STABILITY

CONDITIONS TO AVOID

Avoid contact with incompatible materials.

MATERIALS TO AVOID

oxidizing agents, finely powdered metals, acids

HAZARDOUS DECOMPOSITION PRODUCTS

Nitrogen compounds, toxic fumes

HAZARDOUS POLYMERIZATION Not expected to 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.

13. Disposal considerations

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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

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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

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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

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

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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 more susceptible. Strong oxidizer. Contact with other material may cause fire. Harmful if inhaled, swallowed or absorbed through the skin.

Flammability

Health

Reactivity

Revisions

7/7/2010

NFPA

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

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