MATERIAL SAFETY DATA SHEET



Potassium Nitrate 1.0 Molar Solution

SECTION 1 . Product and Company Idenfication

Product Name and Synonym: Potassium Nitrate 1.0 Molar Solution

Product Code: 7410

Material Uses:

Manufacturer: Aqua Solutions, Inc

6913 Hwy 225

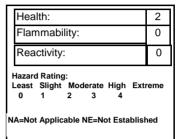
Deer Park, TX 77536

(281) 479-2569

Entry Date : 12/1/2014
Print Date: 12/1/2014

24 Hour Emergency Assistance : Chemtrec 800-424-9300

Canutec 613-996-6666



SECTION 2 HAZARD IDENTIFICATION

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
☐ Potassiun	n Nitrate	CAS# 7757-79- 1	10.1%	W/V	TXDS: orl-rat LD•□: 3750 mg/Kg
☐ Water, De Type II	eionized ASTM	CAS# 7732-18- 5	Balance	V/V	None Established

SECTION 4 FIRST AID MEASURES

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

FIRST AID: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, 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

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.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Carbon Dioxide, dry chemical powder or

appropriate foam

Fire / Explosion Hazards: oxidizer. Contact with combustible materials

may cause a fire.

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing

to prevent contact with skin and clothing.

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SECTION 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.

SECTION 7 HANDLING AND STORAGE

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

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection:

None required

Ventilation

Local Exhaust 🗸

Mechanical

Protective Gloves: Wear appropriate gloves to prevent skin exposure

Eye Protection: Splash Goggles

Other Protective Equipment: Wear appropriate clothing to prevent

skin exposure

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point: not available Percent Volatile by Volume: ~90%

Boiling Point: not available Evaporation Rate not available

Vapor Pressure: not available Evaporation Standard

Vapor Density: not available Auto Ignition Temp Not applicable

Solubility in Water: Soluble Lower Flamm. Limit in Air Not applicable

Upper Flamm. Limit in Air

Not applicable

liquid

not flammable

Clear odorless

Specific Gravity: ~1

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable

Conditions to Avoid: Avoid contact with incompatible materials.

Materials to Avoid: educing agents, finely powered metals, acids.

Hazardous Decomposition

Appearance /Odors:

Flash Point:

Products:

Nitrogen compounds, toxic fumes

Hazardous polymerization: not expected to occur

Conditions to Avoid: None known

SECTION 11	Toxicological Information	
SECTION 12	Ecological Information	
SECTION 13	Disposal Considerations	
SECTION 14	Transport Information	

Potassium Nitrate 1.0 Molar Solution

DOT Classification:

Not Regulated

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

SECTION 15 Regulatory Information

SECTION 16 Additional 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.

Flammability

Health Reactivity

Revisions 0.1

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