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POTASSIUM ARSENITE STANDARD, 0.075 NORMAL AQUEOUS SOLUTION

Material Safety Data Sheet

Section 1: Chemical Product and Company Identification

Catalog Number: R5872500	
Product Identity: POTASSIUM ARSENITE STANDARD, 0.075 NORMAL AQUEOUS SOLUTION	
Manufacturer's Name: RICCA CHEMICAL COMPANY LLC	Emergency Contact(24 hr) -- CHEMTREC® Domestic: 800-424-9300 International: 703-527-3887
CAGE Code: 4TCW6, 0V553, 4XZQ2	
Address: 448 West Fork Dr Arlington, TX 76012	Telephone Number For Information: 817-461-5601
Date Prepared: 6/7/06	Revision: 0 Last Revised: 06/07/2006 Date Printed: 10/01/2014 3:00:50 pm

Section 2. Composition/Information on Ingredients

Component	CAS Registry #	Concentration	ACGIH TLV	OSHA PEL
Potassium Hydroxide	1310-58-3	< 1	Not Available C 2 mg/m3	Not Available Not Available
Arsenic Trioxide	1327-53-3	< 0.5	Not Available 0.01 mg/m3	Not Available Not Available
Water, Deionized	7732-18-5	Balance	Not Available Not Available	Not Available Not Available

Section 3: Hazard Identification

Emergency Overview: WARNING! This solution is toxic and contains a known carcinogen. May be fatal if swallowed. May cause liver and kidney damage. If ingested, dilute immediately with water and induce vomiting. Call a physician. Wash areas of contact with plenty of water. For eyes, get medical attention.

Target Organs: eyes, skin, liver, kidneys, lymphatic system, central nervous system, cardiovascular system, respiratory system.

Eye Contact: May cause irritation and burns.

Inhalation: Main inhalation hazard is in reference to Arsenic dust, which may cause inflammation of the mucous membranes with cough and foamy sputum, restlessness, dyspnea, cyanosis.

Skin Contact: May cause irritation, redness, and pain.

Ingestion: Arsenic is highly toxic! May cause burning in the esophagus, vomiting and bloody diarrhea. Symptoms of cold and clammy skin, low blood pressure, weakness, headache, cramps, convulsions, and coma may follow. May cause damage to liver and kidneys. A suspected fetal toxin.

Chronic Effects/Carcinogenicity: Chronic exposure may lead to kidney and liver damage.

IARC - Arsenic Trioxide is carcinogenic to humans . Arsenic Trioxide is carcinogenic to humans .

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NTP - Arsenic Trioxide - Substances or groups of substances, and medical treatments that are known to be carcinogenic. Arsenic Trioxide - Substances or groups of substances, and medical treatments that are known to be carcinogenic.

OSHA - No.

Reproductive Information: Reproductive effects cited in 'Registry of Toxic Effects of Chemical Substances' for Arsenic Trioxide. Reproductive effects cited in 'Registry of Toxic Effects of Chemical Substances' for Arsenic Trioxide.

Teratology (Birth Defect) Information: Mutation data cited in 'Registry of Toxic Effects of Chemical Substances' for Potassium Hydroxide. Mutation data cited in 'Registry of Toxic Effects of Chemical Substances' for Arsenic Trioxide. Mutation data cited in 'Registry of Toxic Effects of Chemical

Section 4: First Aid Measures - In all cases, seek qualified evaluation.

Eye Contact: Irrigate immediately with large quantity of water for at least 15 minutes. Call a physician if irritation develops.

Inhalation: Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.

Skin Contact: Immediately flush with plenty of water for at least 15 minutes. Remove any contaminated clothing. Wash with soap and water, then flush again with water. Call a physician if irritation develops.

Ingestion: Dilute immediately with water or milk. Induce vomiting. Call a physician.

Section 5: Fire Fighting Measures

Flash Point: Not Available.

Method Used: Not Available.

LFL: Not Available.

UFL: Not Available.

Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Fire & Explosion Hazards: Not considered to be a fire or explosion hazard.

Fire Fighting Instructions: Use normal procedures/instructions.

Fire Fighting Equipment: Use protective clothing and breathing equipment appropriate for the surrounding fire.

Section 6: Accidental Release Measures

Do not flush to sewer. Absorb with suitable material. Containerize for disposal with a hazardous waste disposal facility. Dispose of in accordance with local regulations.

Section 7. Handling and Storage

As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin. Protect from freezing and physical damage.

Safety Storage Code: Health

Section 8: Exposure Control/Personal Protection

Engineering Controls: No specific controls are needed. Normal room ventilation is adequate.

Respiratory Protection: Normal room ventilation is adequate.

Skin Protection: Chemical resistant gloves.

Eye Protection: Safety glasses or goggles.

Section 9: Physical and Chemical Properties

Appearance: Clear, colorless liquid

Odor: Odorless

Solubility in Water: Infinite

Specific Gravity: Approximately 1.0

pH: Approximately 8

Boiling Point(°C): Approximately 100

Melting Point(°C): Approximately 0

Vapor Pressure: Not Applicable.

Section 10: Stability and Reactivity

Chemical Stability: Stable under normal conditions of use and storage.

Incompatibility: Acids, Iron, Tannic Acid, Hydrogen Fluoride, Sodium Chlorate, Mercury.

Hazardous Decomposition Products: Emits toxic fumes of Arsenic when heated to decomposition.

Hazardous Polymerization: Will not occur.

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Section 11. Toxicological Information

LD50, Oral, Rat: 14.6 mg/kg (Arsenic Trioxide), details of toxic effects not reported other than lethal dose value .

Section 12. Ecological Information

Ecotoxicological Information: This material is expected to be slightly toxic to aquatic life.

Chemical Fate Information: This material may bioaccumulate to some extent.

Section 13. Disposal Considerations

Absorb with suitable material and containerize for disposal at a RCRA approved hazardous waste disposal facility in accordance with local regulations . Do not flush to sewer. Always dispose of in accordance with local, state and federal regulations.

Section 14. Transport Information

Part Numbers:

This product is not regulated.

Section 15. Regulatory Information (Not meant to be all inclusive - selected regulation represented)

OSHA Status:These items meet the OSHA Hazard Communication Standard (29 CFR 1910.1200) definition of a hazardous material.

TSCA Status:All components of this solution are listed on the TSCA Inventory or are mixtures (hydrates) of items listed on the TSCA Inventory.

Sara Title III:

Section 302 Extremely Hazardous Substances:Not Applicable.

Section 311/312 Hazardous Categories:Acute, Chronic: Yes Fire, Pressure, Reactivity: No

Section 313 Toxic Chemicals:Not Applicable.

California: Contains an ingredient (Arsenic Trioxide) known to the state of California to cause cancer. Contains an ingredient (Arsenic Trioxide) known to the state of California to cause cancer.

Pennsylvania: Potassium Hydroxide is listed as an Environmental Hazard on the state's Hazardous Substances List. Arsenic Trioxide is listed as both Special and Environmental Hazards on the state's Hazardous Substances List. Potassium Hydroxide is listed as an Environmental Hazard on the state's Hazardous Substances List. Arsenic Trioxide is listed as both Special and Environmental Hazards on the state's Hazardous Substances List.

RCRA Status: P012,P012

CERCLA Reportable Quantity: Potassium Hydroxide - 1,000 pounds. Arsenic Trioxide - 1 pounds. Potassium Hydroxide - 1,000 pounds. Arsenic Trioxide - 1 pounds.

WHMIS: D-2A: Poisonous and Infectious Material. Materials causing other toxic effects - Very Toxic Material.



Section 16. Other Information

NFPA Ratings:

Health: 2 Flammability: 0 Reactivity: 0 Special Notice Key:None

HMIS Ratings:

Health: 2* Flammability: 0 Reactivity: 0 Protective Equipment:B (Protective Eyewear, Gloves)



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For RICCA, SpectroPure, Red Bird, and Solutions Plus Brands
Emergency Contact(24 hr) -- CHEMTREC®
Domestic: 800-424-9300
International: 703-527-3887

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When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and RICCA CHEMICAL COMPANY assumes no legal responsibility or liability whatsoever resulting from its use.