

MATERIAL SAFETY DATA SHEETS

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SECTION I - PRODUCT IDENTIFICATION

Product Name: Storage Solution
Chemical Name: Potassium Hydrogen Phthalate and Potassium Chloride in water
Formula: $\text{KH}_5\text{C}_8\text{O}_4$ and KCl
Formula Weight: 204.22 and 74.56
CAS. Number: 877-24-7 and 7447-40-7
Chemical Family: Organometallic

SECTION II - INGREDIENTS

Potassium Hydrogen Phthalate		
PCT: < 1%	Cas No.: 877-24-7	SARA: NA
TLV: Not established		PEL: Not established
Hazard: NA		
Potassium Chloride		
PCT: < 3%	Cas No.: 7447-40-7	SARA: NA
TLV: Not established		PEL: Not established
Hazard: NA		
Water		
PCT: < 100%	Cas No.: NA	SARA: NA
TLV: Not established		PEL: Not established
Hazard: NA		

SECTION III - PHYSICAL DATA

State: Liquid	Appearance: Clear, colorless
Odor: None	Solubility: Water: NA
Other: NA	Acid: NA
Boiling Point: > 100 C	Vapor Pressure (mm Hg): NA
Melting Point: NA	Vapor Density (air = 1): NA
Specific Gravity: 1.2	Evaporation Rate: NA
pH: NA	
Storage Precautions: None	

* NA/ND - Defined as not applicable or not defined.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: NA
NFPA Codes: Health: 0 Flammability: 0 Reactivity: 0
Toxic Gases Produced: None
Fire Extinguishing Media: Water, carbon dioxide, foam or dry chemical

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value (TLV/TWA): NA

Toxicity: LD50 (oral-rat): Potassium Chloride = 3020 mg/kg

This product : May irritate eyes, skin and respiratory tract. Chronic skin exposure cause dermatitis. High exposure to eyes may cause conjunctivitis. If swallowed, excess amounts may cause nausea, vomiting or diarrhea.

Acute Toxicity: NA

Route of Exposure: NA

Target Organs: NA

Chronic Toxicity: ND

Routes of Exposure: NA

Target Organs: ND

Cancer Information: NA

Routes of Exposure: NA

Target Organs: NA

Overexposure: May irritate eyes, skin and respiratory tract. Chronic skin exposure cause dermatitis. High exposure to eyes may cause conjunctivitis. If swallowed, excess amounts may cause nausea, vomiting or diarrhea.

Medical conditions aggravated by exposure: None reported.

SECTION VI - PRECAUTIONARY MEASURES

Avoid contact with eyes, skin and clothing.

Wash thoroughly after handling.

Protective equipment: rubber gloves and safety glasses.

SECTION VII - FIRST AID

CALL FOR MEDICAL ASSISTANCE IMMEDIATELY.

If eye contact: Flush thoroughly with running water. Get medical help if irritation persists.

If skin contact: Wash exposed area immediately with plenty of soap and water. Get medical help if irritation persists.

Ingestion: If large volume is swallowed, give large quantities of water and induce vomiting by touching finger to back of throat. Get medical attention.

SECTION VIII - REACTIVITY DATA

Stability: Stable

Hazardous Polymeration: None

Conditions to Avoid: Heat

Incompatibles: NA

Decomposition of Products: Thermal decomposition may produce toxic oxides of carbon.

SECTION IX - SPILL AND DISPOSAL PROCEDURES

In Case of Spill or Release: NA

Disposal Procedure: Dispose of in accordance with all federal, state, and local regulations.

SECTION X - TRANSPORTATION DATA

Proper Shipping Name: NA

Hazard Class: NA

ID: NA

GROUP: NA

SECTION XI - REFERENCES

1) TLV's Threshold Limit Values and Biological Exposure Indices for 1988-1989. American Conference of Governmental Industrial Hygienists, 1988.

2) Air contaminants. Federal Register, Vol. 54, No. 12, Thursday, January 19, 1989. pp2332-2983.

3) Outside testing

4) In-house information

5) Technical judgment

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