

# SAFETY DATA SHEET



Conforms to regulation (EC) no. EU 453/2010

## SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product Identifier

**Product Name:** Potassium Acetate, 5M Solution

**Product Number:** EC-909

### 1.2 Relevant Identified Uses of the Substance/Mixture and Uses Advised Against

Investigational research by professional users

### 1.3 Details of the Supplier of the Safety Data Sheet

#### Manufacturer

National Diagnostics  
305 Patton Drive  
Atlanta, GA 30036  
(404) 699-2121  
(800) 526-3867  
info@nationaldiagnostics.com

### 1.4 Emergency Telephone Number

#### ChemTel Inc.

Contract number MIS8894340  
1-800 255-3924 (United States, Canada, Puerto Rico & US Virgin Islands)  
01-800-099-0731 (Mexico)  
400-120-0751 (China)  
000-800-100-4086 (India)  
1-300-954-583 (Australia)  
0-800-591-6042 (Brazil)  
+1-813-255-3924 (All other regions)

## SECTION 2 - HAZARDS IDENTIFICATION

### 2.1 Classification of the Substance or Mixture

Not a hazardous substance or mixture according to regulation (EC) No. 1272/2008.

### 2.2 Label Elements

This product has no labeling elements associated with EC directives or respective national laws.

### 2.3 Other Hazards

None found.

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixture

#### Chemical Names/Description

Aqueous buffered solution of potassium acetate and acetic acid.

#### Component List

Component	% Comp.	CAS #	EC #	1278/2008 Classification
Potassium Acetate	49.07	127-08-2	204-822-2	N.A.

## SECTION 4 - FIRST AID MEASURES

### 4.1 Description of First Aid Measures

#### Inhalation

Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

#### Ingestion

Wash mouth out with water.

#### Skin

Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

#### Eyes

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

### 4.2 Most Important Symptoms and Effects, Both Acute and Delayed

**Inhalation**

No information available.

**Ingestion**

No information available.

**Skin**

No information available.

**Eyes**

No information available.

**4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed**

Unknown/not applicable

**SECTION 5 - FIRE FIGHTING MEASURES****5.1 Extinguishing media**

For small fires, use water spray, dry chemical, carbon dioxide or chemical foam.

**5.2 Special Hazards Arising from the Substance/Mixture****Hazardous Combustion Products**

N.A

**Hazardous Decomposition Products**

Oxides of carbon

**Hazardous Polymerization**

May occur

**5.3 Advice for Firefighters**

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

**5.4 Further Information**

No data available.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES****6.1 Personal Precautions**

Use proper personal protective equipment as indicated in Section 8.

**6.2 Environmental Precautions**

Prevent discharge into the environment. Dike spills and stop leakage where practical. Do not allow material to enter drains.

**6.3 Methods and Materials for Containment and Cleaning Up**

Use absorbent material to collect and contain for salvage or disposal.

**6.4 References to Other Sections**

For disposal information, see Section 13. For protective clothing and equipment, see Section 8.

**SECTION 7 - HANDLING AND STORAGE****7.1 Precautions for Safe Handling**

Avoid contact and inhalation. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling.

**7.2 Conditions for Safe Storage (including any incompatibles)**

Store tightly capped at room temperature.

**Incompatibles**

No information available.

**7.3 Specific End Uses**

Investigational research by professional users

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PRECAUTIONS****8.1 Control Parameters**

ACGIH Threshold Limit Value (TLV): None established

OSHA Permissible Exposure Limit (PEL): None established

**8.2 Exposure Controls****Engineering Controls**

Good general ventilation should be sufficient to control airborne levels. Facilities storing or utilizing this material should be equipped with an eyewash facility

### Respiratory Protection

No information available

### Eye Protection

Wear safety glasses with side shields.

### Skin Protection

Wear appropriate gloves to prevent skin exposure.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on Basic Physical & Chemical Properties

a. Appearance	Clear, colorless solution	b. Odor	None
c. Odor Threshold	N.A.	d. pH	Neutral
e. Melting/Freezing Point (°C)	0	f. Boiling point (°C)	104.4
g. Flash Point (°C)	N.A.	h. Evaporation Rate	1.0
i. Flammability	N.A.	j. Upper/Lower Flammability or Explosive Limits	N.A.
k. Vapor Pressure	Water	l. Vapor Density (Air = 1)	N.A.
m. Relative Density	>1	n. Water Solubility	Soluble
o. Partition Coefficient n-octanol/water	Mixture	p. Autoignition Temperature (°C)	N.A.
q. Decomposition Temperature (°C)	N.A.	r. Viscosity	No data available.
s. Explosive Properties	N.A.	t. Oxidizing Properties	Not an oxidizer

## SECTION 10 - STABILITY AND REACTIVITY

### 10.1 Reactivity

Not reactive under recommended conditions of use.

### 10.2 Chemical Stability

Stable under ordinary conditions of use and storage.

### 10.3 Possibility of Hazardous Reactions

May occur

### 10.4 Conditions to Avoid

Heat, shock, UV light, and incompatibles.

### 10.5 Incompatible Materials

No information available.

### 10.6 Hazardous Decomposition Products

Oxides of carbon

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Product LD50 Values

#### Oral Rat LD50 (mg/kg)

No data available.

#### Dermal Rabbit LD50 (mg/kg)

No data available.

### Component Cancer List Status

	NTP Carcinogen		IARC Category
	Known	Anticipated	
Potassium Acetate	No	No	None

### Potential Health Effects

#### Inhalation

No information available.

#### Ingestion

No information available.

**Skin**

No information available.

**Eyes**

No information available.

**Carcinogenicity**

No information available.

**Mutagenicity**

No information available.

**Reproductive Toxicity**

No information available.

**Teratogenic Effects**

No information available.

**Routes of Entry**

No information available.

**Target Organ Statement**

No information available.

**SECTION 12 - ECOLOGICAL INFORMATION****12.1 Toxicity**

	Vertebrates	Invertebrates	Algae	Microorganisms
Aquatic Toxicity (ppm unless otherwise noted)	LC50 (96hr, zebrafish) <992mg/l	EC50 (24hr, daphnia) 991mg/l	EC50 (72hr)>1000mg/l	EC50 (72hrs) >7000mg/l
	Birds	Arthropods	Plants	Microorganisms
Terrestrial Environment Toxicity (ppm unless otherwise noted)	No Data	No Data	No Data	No Data

**12.2 Persistence and Degradability**

Readily biodegradable (99% in 28 days)

**12.3 Bioaccumulative Potential**

BCF=3.1

**12.4 Mobility in Soil**K<sub>oc</sub>=1**12.5 Results of PBT and vPvB Assessment**

The substance is not PBT / vPvB

**12.6 Other Adverse Effects****SECTION 13 - DISPOSAL CONSIDERATIONS****13.1 Waste Treatment Methods**

Offer surplus or non-recyclable product to licensed disposal company. Disposal is subject to user compliance with applicable law and product characteristics at time of disposal. Dispose of packaging as product.

**SECTION 14 - TRANSPORT INFORMATION**

	ADR/RID	IATA	IMO	DOT
14.1 UN Number	N.A.	N.A.	N.A.	N.A.
14.2 Shipping Name	N.A.	N.A.	N.A.	N.A.
14.3 Hazard Class	N.A.	N.A.	N.A.	N.A.
14.4 Packing Group	N.A.	N.A.	N.A.	N.A.
14.5 Environmental Hazards	N.A.	N.A.	N.A.	N.A.
14.6 Special Precautions	N.A.	N.A.	N.A.	N.A.

**SECTION 15 - REGULATORY INFORMATION****15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance/Mixture United States****TSCA Regulatory Statement**

All intentional ingredients are listed on the TSCA Inventory.

**SARA 311/312 Hazard Categories**

<b>Component</b>	<b>Fire</b>	<b>Pressure</b>	<b>Reactivity</b>	<b>Acute</b>	<b>Chronic</b>
Potassium Acetate	No	No	No	No	No

**Europe****EEC Regulatory**

All intentional ingredients are listed on the European EINECS Inventory.

**SECTION 16 - OTHER INFORMATION****Revisional Updates**

4/26/2019 - Updated Section 1.4

5/29/2015 - Updated Sections 2.1 and 3.2

1/15/2014 - Released Version 1.0

**NFPA Codes**

Health 0 Flammability 0 Reactivity 0

**Dangers**

Potassium Acetate

None

**MANUFACTURER DISCLAIMER:** The information given herein is offered in good faith as accurate, but without guarantee. Conditions of the use and suitability of the product for particular uses are beyond our control. All risks of use of the product are therefore assumed by the user. Nothing is intended as a recommendation for uses which infringe valid patents or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users.