



# SAFETY DATA SHEET

## Z-KA-L

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Trade Name:** Z-KA-L  
**Product Name:** Potassium Acetate, 52%  
**Synonyms:** N/A  
**Company Name:** Horizon Mud Company, Inc. **Phone Number:**  
 500 West Wall Street, Ste. 200 (432) 687-1171  
 Midland, TX 79701  
**Web site address:** www.horizonmud.com  
**Emergency Contact:** 24 Hour (432) 687-1171

**Intended Use:** Commercial Use

### 2. HAZARDS IDENTIFICATION

**GHS Signal Word:** None  
**GHS Hazard Phrases:** No phrases apply.  
**GHS Precaution Phrases:** No phrases apply.  
**GHS Response Phrases:** No phrases apply.  
**GHS Storage and Disposal Phrases:** No phrases apply.



**OSHA Regulatory Status:** This material is classified as not hazardous under OSHA regulations.

**Potential Health Effects (Acute and Chronic):** Chronic: None.

**Inhalation:** No hazard expected in normal industrial use.

**Skin Contact:** Mild irritation effect.

**Eye Contact:** May cause eye irritation.

**Ingestion:** May cause gastrointestinal irritation with nausea, vomiting and diarrhea. No hazard expected in normal industrial use.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration	RTECS #
127-08-2	Potassium acetate {Acetic acid, potassium salt}	52 %	AJ3325000

#### Additional Chemical Information

**Appearance:** Clear Liquid



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#### 4. FIRST AID MEASURES

<b>Emergency and First Aid Procedures:</b>	No information is available.
<b>In Case of Inhalation:</b>	Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.
<b>In Case of Skin Contact:</b>	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.
<b>In Case of Eye Contact:</b>	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops get medical aid.
<b>In Case of Ingestion:</b>	Get medical aid. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.
<b>Note to Physician:</b>	Treat symptomatically and supportively.

#### 5. FIRE FIGHTING MEASURES

<b>Flammability Classification:</b>	non-flammable
<b>Flash Pt:</b>	N.D.
<b>Explosive Limits:</b>	LEL: N.D.      UEL: N.D.
<b>Autoignition Pt:</b>	N.D.
<b>Suitable Extinguishing Media:</b>	Use water spray, dry chemical, carbon dioxide, or chemical foam. Not available.
<b>Unsuitable Extinguishing Media:</b>	No information available.
<b>Fire Fighting Instructions:</b>	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn.
<b>Flammable Properties and Hazards:</b>	No data available.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Protective Precautions, Protective Equipment and Emergency Procedures:</b>	Safety shower in work area. Eye wash station in work area. Protective gloves. Goggles.
<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

#### 7. HANDLING AND STORAGE

<b>Precautions To Be Taken in Handling:</b>	Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Use with adequate ventilation.
<b>Precautions To Be Taken in Storing:</b>	Store away from oxidizers. Store away from heat. Store in a cool, dry place.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
127-08-2	Potassium acetate {Acetic acid, potassium salt}	No data.	No data.	No data.



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<b>Respiratory Equipment (Specify Type):</b>	A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use. Respirator protection is not normally required.
<b>Eye Protection:</b>	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
<b>Protective Gloves:</b>	Wear appropriate protective gloves to prevent skin exposure.
<b>Other Protective Clothing:</b>	Wear appropriate protective clothing to minimize contact with skin.
<b>Engineering Controls (Ventilation etc.):</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.
<b>Work/Hygienic/Maintenance Practices:</b>	Wash thoroughly after handling. Wash contaminated clothing before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical States:</b>	<input type="checkbox"/> Gas <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid
<b>Appearance and Odor:</b>	Clear Liquid. No odor. Odor threshold: Unavailable
	Flammability (solid, gas): NA- Not available
<b>Melting Point:</b>	NA
<b>Boiling Point:</b>	NA
<b>Decomposition Temperature:</b>	NE
<b>Autoignition Pt:</b>	N.D.
<b>Flash Pt:</b>	N.D.
<b>Explosive Limits:</b>	LEL: N.D.      UEL: N.D.
<b>Specific Gravity (Water = 1):</b>	>=1.280      at 60.0 F (15.6 C)
<b>Density:</b>	>=10.67 LB/GA    at 60.0 F (15.6 C)
<b>Bulk density:</b>	NP
<b>Vapor Pressure (vs. Air or mm Hg):</b>	NA
<b>Vapor Density (vs. Air = 1):</b>	NA
<b>Evaporation Rate:</b>	NA
<b>Solubility in Water:</b>	complete      at 25.0 C (77.0 F)
<b>Saturated Vapor Concentration:</b>	NA
<b>Viscosity:</b>	NA
<b>Octanol/Water Partition Coefficient:</b>	unavailable
<b>pH:</b>	10.5 - 11.5
<b>Percent Volatile:</b>	~ 50.00 % by weight.
<b>VOC / Volume:</b>	NP



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Particle Size: NP  
 Heat Value: NP  
 Corrosion Rate: NA

### Additional Physical Information

## 10. STABILITY AND REACTIVITY

**Reactivity:** Not Established.  
**Stability:** Unstable [ ] Stable [ X ]  
**Conditions To Avoid - Instability:** Incompatible materials.  
**Incompatibility - Materials To Avoid:** chlorates, nitrates, Strong oxidizing agents.  
**Hazardous Decomposition or Byproducts:** Carbon monoxide, None known.  
**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]  
**Conditions To Avoid - Hazardous Reactions:** No data available.

## 11. TOXICOLOGICAL INFORMATION

**Toxicological Information:** Epidemiology: No information available.  
 Teratogenicity: No information available.  
 Reproductive Effects: Mutagenicity: Neurotoxicity: Other Studies: No data available.  
 CAS# 127-08-2:  
**Carcinogenicity/Other Information:** Acute toxicity, LD50, Oral, Rat, 3250. MG/KG.  
 Result:  
 Behavioral: Convulsions or effect on seizure threshold.  
 Gastrointestinal: Hypermotility, diarrhea.  
 Nutritional and Gross Metabolic: Changes in: Body temperature increase.  
 - American Industrial Hygiene Association Journal., AIHA, 475 Wolf Ledges Pkwy., Akron, OH 44311, Vol/p/yr: 30,470, 1969  
 CAS# 127-08-2: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
127-08-2	Potassium acetate {Acetic acid, potassium salt}	n.a.	n.a.	n.a.	n.a.

## 12. ECOLOGICAL INFORMATION

**General Ecological Information:** Environmental: No information available.  
 Physical: No information available.  
 Other: Do not empty into drains.  
**Results of PBT and vPvB assessment:** CAS# 127-08-2:  
 LC50, Fathead Minnow (Pimephales promelas), 421.0 MG/L, 96 H, Mortality, Water temperature: 20.00 C (68.0 F) C, Hardness: 180.00 MG/L.  
 Result:  
 No loss of equilibrium observed.  
 - Aquatic Toxicity of Airfield-Pavement Deicer Materials and Implications for Airport Runoff, Corsi, S.R., S.W. Geis, G. Bowman, G.G. Failey, and T.D. Rutter, 2009  
 Effective concentration to 50% of test organisms., Water Flea (Daphnia similis), neonate, 1.150 G/L, 48 H, Mortality, Water temperature: 20.00 C (68.0 F) C, Hardness: 44.00



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MG/L.

Result:

Morphological changes.

- Acute and Chronic Toxicity of Potassium Chloride (KCl) and Potassium Acetate (KC<sub>2</sub>H<sub>3</sub>O<sub>2</sub>) to Daphnia similis and Ceriodaphnia dubia (Crustacea; Cladocera), Utz, L.R.P., and M.B.C. Bohrer, 2001

Effective concentration to 50% of test organisms., Water Flea (Daphnia similis), neonate, 1.050 G/L, 48 H, Mortality, Water temperature: 20.00 C (68.0 F) C, Hardness: 44.00 MG/L.

Result:

Morphological changes.

- Acute and Chronic Toxicity of Potassium Chloride (KCl) and Potassium Acetate (KC<sub>2</sub>H<sub>3</sub>O<sub>2</sub>) to Daphnia similis and Ceriodaphnia dubia (Crustacea; Cladocera), Utz, L.R.P., and M.B.C. Bohrer, 2001

Effective concentration to {0} % of test organisms, Water Flea (Ceriodaphnia dubia), neonate, 0.300 G/L, 12 D, Reproduction, Water temperature: 25.00 C (77.0 F) C, Hardness: 44.00 MG/L.

Result:

Morphological changes.

- Acute and Chronic Toxicity of Potassium Chloride (KCl) and Potassium Acetate (KC<sub>2</sub>H<sub>3</sub>O<sub>2</sub>) to Daphnia similis and Ceriodaphnia dubia (Crustacea; Cladocera), Utz, L.R.P., and M.B.C. Bohrer, 2001

Effective concentration to {0} % of test organisms, Water Flea (Ceriodaphnia dubia), neonate, 0.600 G/L, 12 D, Growth, Water temperature: 25.00 C (77.0 F) C, Hardness: 44.00 MG/L.

Result:

Morphological changes.

- Acute and Chronic Toxicity of Potassium Chloride (KCl) and Potassium Acetate (KC<sub>2</sub>H<sub>3</sub>O<sub>2</sub>) to Daphnia similis and Ceriodaphnia dubia (Crustacea; Cladocera), Utz, L.R.P., and M.B.C. Bohrer, 2001

Inhibition concentration to 25% of test organisms, Water Flea (Ceriodaphnia dubia), 54.50 MG/L, 6 - 7 D, Reproduction, Water temperature: 25.00 C (77.0 F) C; Aquatic Toxicity of Airfield-Pavement Deicer Materials and Implications for Airport Runoff, Corsi, S.R., S.W. Geis, G. Bowman, G.G. Failey, and T.D. Rutter, 2009

### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method:**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.



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### 14. TRANSPORT INFORMATION

**GHS Classification:** No GHS classifications apply.

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Not Regulated.

**DOT Hazard Class:**

**UN/NA Number:**

**LAND TRANSPORT (Canadian TDG):**

**TDG Shipping Name:** Not Regulated.

**UN Number:**

**Hazard Class:**

**TDG Classification:**

**LAND TRANSPORT (European ADR/RID):**

**ADR/RID Shipping Name:**

**UN Number:**

**Hazard Class:**

**MARINE TRANSPORT (IMDG/IMO):**

**IMDG/IMO Shipping Name:**

**UN Number:** |N|

**Hazard Class:**

**Packing Group:**

**IMDG MFAG Number:** |

**IMDG EMS Page:** |

**Additional Transport Information**

### 15. REGULATORY INFORMATION

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
127-08-2	Potassium acetate {Acetic acid, potassium salt}	No	No	No

**This material meets the EPA** [ ] Yes [X] No Acute (immediate) Health Hazard

**'Hazard Categories' defined** [ ] Yes [X] No Chronic (delayed) Health Hazard

**for SARA Title III Sections** [ ] Yes [X] No Fire Hazard

**311/312 as indicated:** [ ] Yes [X] No Sudden Release of Pressure Hazard

[ ] Yes [X] No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
127-08-2	Potassium acetate {Acetic acid, potassium salt}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
127-08-2	Potassium acetate {Acetic acid, potassium salt}	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; Australia ICS: Yes; China IECSC: Yes; Japan ENCS: Yes - (2)-692; Korea ECL: Yes - KE-29069; Philippines ICCS: Yes; Taiwan TCSCA: Yes; REACH: Yes - (R), (P)



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### Regulatory Information Statement:

Regulatory information provided in this SDS was prepared for this product and is to be used only for the product in its present form, If this material is used as a component in another material or altered in any way, the information in this SDS may no longer be applicable. This document was generated for the purpose of distributing health, safety and environmental data.

### 16. OTHER INFORMATION

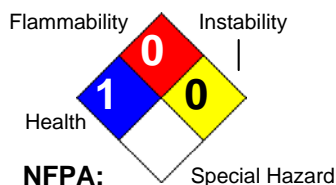
**SDS Creation Date:** 6/18/2018

**Preparer Name:** Horizon HSE Department (432) 687-1171

**Hazard Rating System:**

<b>HEALTH</b>		<b>1</b>
<b>FLAMMABILITY</b>		<b>0</b>
<b>PHYSICAL</b>		<b>0</b>
<b>PPE</b>		

**HMIS:**



**NFPA:**

**Additional Information About This Product:** SDS Data Field Acronym Legend:

NA- Not Available  
 NE- Not Established  
 NP- Not Applicable  
 NR- Not Required  
 PR- Proprietary  
 TS- Trade Secret.

**Company Policy or Disclaimer:**

**MANUFACTURER DISCLAIMER: NOTICE:** We believe that the information contained on this Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily either all- inclusive or fully adequate in every circumstance. Also, these suggestions should not be confused with or followed in violation of applicable laws, regulation, rules or insurance requirements. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE.