

**OLD WORLD INDUSTRIES, INC.**  
4065 COMMERCIAL AVENUE  
NORTHBROOK, ILLINOIS 60062-1851  
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## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Old World Industries, Inc.  
4065 Commercial Avenue  
Northbrook, Illinois 60062  
Phone: 847-559-2000

Effective Date: November 20, 2007  
Emergency Phone: 1-800-424-9300 [CHEMTRAC]

**PRODUCT:** PEAK® PA RUNWAY DEICING FLUID  
**Chemical Name:** Aqueous Potassium Acetate Solution

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Components</u>	<u>Percent</u>	<u>TLV (Units)</u>	<u>CAS #</u>
Potassium Acetate	~50.0%	None established	127-08-2
Water	~49.0%	None established	7732-18-5
Corrosion Inhibitors	<1.0%	None established	

### 3. HAZARDS IDENTIFICATION

#### *EMERGENCY OVERVIEW*

This product is not a hazard as defined by OSHA Communication Standard (29 CFR Section 1910.1200). Base ingredient is listed in TSCA Inventory.

<u>NFPA Rating</u>	<u>Key</u>
Health 1	0 - Minimal
Fire 0	1 - Slight
Reactivity 0	2 - Moderate
	3 - Serious
	4 - Severe

#### POTENTIAL HEALTH EFFECTS:

**Eye Contact:** This substance is slightly irritating to the eyes and could cause prolonged (days) impairment of your vision. The degree of the

injury will depend on the amount of material that gets into the eye and the speed and thoroughness of the first aid treatment. Signs and symptoms may include pain, tears, swelling, redness and blurred vision.

**Skin Contact:**

This substance is not expected to cause prolonged or significant skin irritation. The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if it gets on the skin.

**Inhalation (Breathing):**

This material does not present an inhalation hazard.

**Ingestion (Swallowing):**

Ingestion may cause irritation of the digestive tract which may result in nausea, vomiting and diarrhea.

**Exposure:**

This product contains potassium salts which is an acute risk. Ingestion of large amounts (25 or more grams) of potassium salts usually causes a person to vomit. If the person is not suffering from a pre-existing kidney and/or cardiac condition, the absorbed potassium salt is excreted in the urine.

**4. FIRST AID INFORMATION**

**Eye Contact:**

For direct contact, flush the affected eye(s) with clean water for 15 minutes or until irritation subsides. If irritation or redness persists, seek medical attention.

**Skin Contact:**

Cleanse affected area(s) by washing with mild soap and water.

**Inhalation (Breathing):**

Since this material is not expected to be an immediate inhalation problem, no first aid procedures are required.

**5. FIRE AND EXPLOSION INFORMATION**

**Flash Point:**

Not Flammable

**Ignition Temperature:**

N/A

**Extinguishing Media:**

Non-flammable. After water evaporates, remaining material will burn. Use alcohol-type or universal-type foams applied by manufacturer's recommended techniques for large fires. Carbon dioxide or dry chemical for small fires.

**6. SPILL AND DISPOSAL INFORMATION**

**Measure after Spillage:**

Before handling any spills, always observe the safety precautions described in Section 3. Spills can be removed with a suitable absorbent, (i.e., sand or sawdust). The rest can be removed with water.

**Disposal:**

If product should spill or become unsuitable for normal deicing applications, it may be disposed of in sanitary landfill in accordance with local, state, and federal regulations.

This product is not listed as a hazardous waste and does not classify as a RCRA hazardous waste.

## 7. HANDLING AND STORAGE

Store in recommended tanks or containers away from strong oxidizers or other chemicals. Use normal operational procedures for non-hazardous product.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: No special respiratory protection is normally required.

Ventilation: No special ventilation is necessary.

Protective Gloves: The use of gloves impermeable to the specific material handled is advised to prevent skin contact and possible irritation.

Eye Protection: Approved eye protection to safeguard against potential eye contact, irritation or injury is recommended.

Other Protective equip: It is suggested that a source of clean water be available in work area for flushing eyes and skin. Impervious clothing should be worn as needed.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Apprx. Boiling Point: 116°C (241°F)

Freezing Point: lower than -75F

Volatility/Vol %: None

Vapor Pressure (mm Hg): NDA

Vapor Density (Air=1): NDA

Solubility in H<sub>2</sub>O: Complete

Appearance: Clear colorless to light straw without blue dye. With blue dye, it is transparent blue.

Odor: Very minimal

Specific Gravity H<sub>2</sub>O =1): 1.265 - 1.285 @ 60°F

Viscosity: 20 - 25 cp @ 0°C

Evaporation Rate: NDA

pH: 9.3 - 10.3

## 10. STABILITY/REACTIVITY

Chemical Stability: This material is stable.

Conditions to Avoid: None

Incompatible Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Decomposition Products: None known

Hazardous Polymerization: Will not occur

## 11. TOXICOLOGY INFORMATION

Acute Oral Toxicity LD<sub>50</sub>  
Skin Irritation:  
Eye Irritation:  
Fish Toxicity LC<sub>50</sub>

5000mg/kg (rats)  
Non-irritant  
Non-irritant  
>500mg/L (Daphnia magna)  
>1000mg/L (Pimephales promelas)

This material is toxicologically harmless and is not considered a carcinogen.

**12. TRANSPORTATION INFORMATION**

D.O.T. Proper Shipping Name/Hazard: Not Regulated

**13. REGULATORY INFORMATION**

Reportable quantity (RQ), EPA Regulation 40 CFR 302 (CERCLA Section 102): N/A  
Threshold Planning Qty. (TPQ), EPA Regulation 40 CFR 355 (SARA Sections 301-304): N/A  
Toxic Chemical Release Reporting, EPA Regulation 40 CFR 372 (SARA Sections 311-313): N/A

**14. OTHER INFORMATION**

Contact: Karen Engelbrecht, Technical Product Manager Phone: 847-559-2000

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