



## MATERIAL SAFETY DATA SHEET

### Product: **PROKIL<sup>®</sup> CRYOLITE 50 DUST**

Formulator: Gowan Company  
P.O. Box 5569  
Yuma, Arizona 85366-5569  
(520) 783-8844

Emergency Phone: (520) 783-3803

For 24-Hour Emergency Assistance (Spill, Leak, Fire, or Exposure), Call CHEMTREC<sup>®</sup>:

Inside the U.S.: (800) 424-9300  
Outside the U.S.: (703) 527-3887  
(800) 225-5635 ext. 283

For **MEDICAL** Emergency:

### 1. CHEMICAL IDENTIFICATION

**Product:** Cryolite 50 Dust  
**EPA Signal Word:** Caution  
**Active Ingredient:** Sodium Aluminofluoride (50%)  
**Chemical Name:** Sodium Fluoaluminate  
**Chemical Class:** Inorganic Pesticide

**EPA Registration No.:** 10163-243  
**CAS No.:** 15096-52-3

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	OSHA – PEL	ACGIH – TLV	OTHER	NTP/IARC/OSHA CARCINOGEN
Sodium Aluminofluoride (50%)	Not established	Not established	Not established	No

### 3. HAZARDS IDENTIFICATION

#### Physical Properties

**Appearance:** White crystalline powder  
**Odor:** Odorless

#### Symptoms of Acute Exposure

Not Available

#### Medical Conditions Likely to be Aggravated by Exposure

Not Available

#### Relevant Routes of Exposure

Harmful if swallowed, absorbed through skin, or inhaled.

#### Hazardous Decomposition Products

None Known

#### Unusual Fire, Explosion, and Reactivity Hazards

Not Available

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## 4. FIRST AID MEASURES

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If poisoning is suspected, immediately contact a physician, the nearest hospital, or the nearest Poison Control Center. Tell the person contacted the complete product name, and the type and amount of exposure. Describe any symptoms and follow the advice given.

**Ingestion:** Seek medical attention immediately.

**Inhalation:** Move victim from contaminated area to fresh air. Apply respiration if necessary. Seek medical advice.

**Eye Contact:** Flush eyes with plenty of clear water for at least 15 minutes.

**Skin Contact:** Wash with soap and water.

**!! IN ALL CASES OF SUSPECTED POISONING, GET MEDICAL ATTENTION IMMEDIATELY !!**

For emergency **MEDICAL** response and hazard communication **ONLY**, call:

**Hazard Information Services at (800) 228-5635 ext. 283.**

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## 5. FIRE FIGHTING MEASURES

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**Flashpoint (test method):** Not applicable

**Flammable Limits (% in air):** Not applicable

**Autoignition Temperature:** Not available

**Flammability:** Not flammable

### Appropriate Extinguishing Media

Use dry chemical, foam, water spray, water fog, water stream, earth, sand, or CO<sub>2</sub> extinguishing media.

### Fire Fighting Guidance

Wear self-contained breathing apparatus.

### Unusual Fire, Explosion, and Reactivity Hazards

Not Available

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## 6. ACCIDENTAL RELEASE MEASURES

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### In Case of Spills or Leaks

Wear chemical safety glasses with side shields or chemical goggles, rubber gloves, rubber boots, long-sleeved shirt, long pants, head covering, and a NIOSH-approved dual cartridge dust with high efficiency pre-filters or self-contained breathing apparatus. For small spills, sweep up, keeping dusts to a minimum, and place in an approved chemical container. Wash the spill area with water containing a strong detergent, absorb with pet litter or other absorbent material. Sweep up and place in a chemical container. Seal the container and handle in an approved manner. Flush the area with water to remove any residue. Do not allow washwaters to contaminate water supplies.

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## 7. HANDLING AND STORAGE

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### Precautions in Storing and Handling

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

### Storing Instructions

Store the material in a well-ventilated, secure area out of the reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco usage, and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### PPE for Applicators and Handlers

Applicators and other handlers must wear:

- Long-sleeved shirts and long pants,
  - Waterproof gloves, and
  - Shoes plus socks.
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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (Continued)

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Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

### User Safety Recommendations

#### Users should:

Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**Appearance:** White crystalline powder

**Odor:** Odorless

**Physical State:** Solid

**Melting Point:** Not applicable

**Boiling Point:** Not applicable

#### Specific Gravity/

**Density:** 0.9 kg/L

**pH:** Not applicable

#### Solubility in H<sub>2</sub>O

Sodium Aluminofluoride 0.025 mg/L @ 20°C

#### Vapor Pressure

Sodium Aluminofluoride Not applicable

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## 10. STABILITY AND REACTIVITY

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**Stability:** Stable

#### Hazardous

**Polymerization:** Will not occur

**Conditions to Avoid:** None known

#### Decomposition

**Products:** None known

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## 11. TOXICOLOGICAL INFORMATION

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Harmful if swallowed, absorbed through skin, or inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing dust.

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## 12. ECOLOGICAL INFORMATION

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### Summary of Effects

#### Sodium Aluminofluoride

For terrestrial uses, do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water or rinsate.

#### Eco-Acute Toxicity

Not available

#### Environmental Fate

Not available

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## 13. DISPOSAL CONSIDERATION

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### Pesticide Disposal

Wastes resulting from the use of this product may be disposed of on site if allowed by state and local authorities or at an approved waste disposal facility.

### Container Disposal

Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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## 14. TRANSPORT INFORMATION

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### DOT Classification

Not regulated

### International Maritime Organization

None

### International Civil Aviation Organization

None

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## 15. REGULATORY INFORMATION

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### SARA Title III Classification

Section 302: Not applicable  
Section 311/312: Not applicable  
Section 313 chemical(s): Not applicable

### Proposition 65

Not applicable

### CERCLA Reportable Quantity (RQ)

None

### RCRA Classification

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

### TSCA Status

Exempt from TSCA

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## 16. OTHER INFORMATION

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### NMIS Hazard Ratings

<b>Health:</b>	1	0	Least
<b>Flammability:</b>	0	1	Slight
<b>Reactivity:</b>	0	2	Moderate
		3	High
		4	Severe

**Notice:** The information and recommendations contained herein are provided in good faith and are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information herein.

### Prepared By:

Gowan Company  
(520) 783-8844

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