



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Formulator: Gowan Company
P.O. Box 5569
Yuma, Arizona 85366-5569
(928) 783-8844

Emergency Phone: (928) 783-3803
For 24-Hour Emergency Assistance (Spill, Leak, Fire, or Exposure), Call CHEMTREC®:

Inside the U.S.: (800) 424-9300
Outside the U.S.: (703) 527-3887
(888) 478-0798

For MEDICAL Emergency:

Product: Prokil® Cryolite 50 Dust

EPA Signal Word: Caution

EPA Registration No.: 10163-243

Active Ingredient: Sodium Aluminofluoride (50%)

CAS No.: 15096-52-3

Chemical Name: Sodium Fluoaluminate

Chemical Class: Aluminofluoride

2. HAZARDS IDENTIFICATION

Physical Properties

Appearance: White crystalline powder

Odor: Odorless

Relevant Routes of Exposure

Harmful if swallowed, absorbed through skin, or inhaled.

Hazardous Decomposition Products

None Known

3. 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

Only the identities of the active ingredient(s) and any *hazardous* inert ingredients are listed. Specific information on all of this product's ingredients can be obtained by the treating medical professional or spill emergency responder for the management of exposures, spills, or safety assessments.

4. FIRST AID MEASURES

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.

IF ON SKIN: Wash with soap and water.

IF IN EYES: Flush eyes with plenty of clear water for at least 15 minutes

FOR MEDICAL EMERGENCIES INVOLVING THIS PRODUCT, CALL TOLL FREE: (888) 478-0798

5. FIRE FIGHTING MEASURES

Flashpoint (test method): Not applicable
Flammable Limits (% in air): Not applicable
Flammability: Not flammable

Appropriate Extinguishing Media

Use dry chemical, foam, water spray, water fog, water stream, earth, sand, or CO₂ extinguishing media.

Fire Fighting Guidance

Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

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.

7. HANDLING AND STORAGE

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PPE for Applicators and Handlers

Applicators and other handlers must wear:

- Long-sleeved shirts and long pants,
- Waterproof gloves, and
- Shoes plus socks.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

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 H₂O

Sodium Aluminofluoride 0.025 mg/L @ 20°C

Vapor Pressure

Sodium Aluminofluoride Not applicable

10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous
Polymerization: Will not occur
Conditions to Avoid: None known
Decomposition
Products: None known

11. TOXICOLOGICAL INFORMATION

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

12. ECOLOGICAL INFORMATION

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.

13. DISPOSAL CONSIDERATION

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.

14. TRANSPORT INFORMATION

DOT Classification

Not regulated

International Maritime Organization

Not regulated

International Civil Aviation Organization

Not regulated

15. REGULATORY INFORMATION

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

16. OTHER INFORMATION

NMIS Hazard Ratings

Health: 1
Flammability: 0
Reactivity: 0

0	Least
1	Slight
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
(928) 783-8844

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