



Hummel Croton Inc.
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South Plainfield, NJ 07080
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In Case Of Emergency Call
(U.S.) 800-424-9300
(International) +1-813-248-3924

Cryolite Safety Data Sheet

1. Product and Company

Product name: Cryolite

Synonym: Sodium Hexafluoroaluminate, Sodium Aluminium Fluoride

CAS-No.: 15096-52-3

Company: Hummel Croton Inc.
10 Harmich Rd.
South Plainfield, NJ 07080

Telephone: 908-754-1800
Fax: 908-754-1815

HMIS Rating	
Health	3
Flammability	0
Reactivity	0
Personal Protection	E

Emergency telephone number

Emergency Phone #: Chemtrec US: 800-424-9300
ChemTel International: +1-813-248-0585

2. Hazards

GHS Classification Acute toxicity, Inhalation (Category 4), H332
Specific target organ toxicity - repeated exposure (Category 1), H372
Acute aquatic toxicity (Category 2), H401
Chronic aquatic toxicity (Category 2), H411

GHS Label elements

Pictogram(s)



Signal word **DANGER**

Hazard statement(s)

H332 Harmful if inhaled.

H372 Causes damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.

P314 Get medical advice/ attention if you feel unwell.

P391 Collect spillage.

P501 Dispose of contents/ container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) or not covered by GHS

None.

3. Composition/Ingredients

Substance

Formula: AlF_6Na_3

Molecular weight: 209.94 g/mol

CAS-No.: 15096-52-3

Material	CAS	%	OSHA	ACGIH
Cryolite	15096-52-3	100%	2.5 mg/m ³	2.5 mg/m ³

4. First Aid

First Aid For Eye: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

First Aid For Skin: In case of contact, flush skin with water. Wash clothing before reuse. Call a physician if irritation occurs.

First Aid For Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

First Aid For Ingestion: If swallowed, call a physician immediately.

5. Fire Data

Flammability: Non-Flammable

Flash Point: Not Applicable

Auto Ignition: Not Applicable

Flammable Limits: Not Applicable

Extinguishing Media: Carbon dioxide, dry chemical powder or appropriate foam.

Fire Fighting Procedure: Firefighters should wear self-contained breathing apparatus and prevent contact with skin and eyes.

Fire/Explosion Hazards: Emits carbon monoxide, carbon dioxide and hydrogen fluoride under fire conditions.

6. Accidental Release

Spill Or Leak Procedures: Utilize recommended protective clothing and equipment. Clean spills in a manner that does not disperse dust into the air. Spill area can be washed with water. Collect wash water for approved disposal. Keep from entering water or ground water.

7. Handling And Storage

Storage Temperatures: Store at ambient temperature

Shelf Life: Unlimited in tightly sealed container

Special Sensitivity: None.

Handling/Storage Precautions: Avoid breathing dust. Avoid getting in eyes or on skin. Wash thoroughly after handling. Store in a dry place away from direct sunlight, heat and incompatible materials. Reseal containers immediately after use. Store away from food and beverages.

8. Exposure Controls/Personal Protection

Eye Protection: Safety glasses or goggles.

Skin Protection: PVC gloves with impervious boots, apron or coveralls. Wash hands and face before eating, drinking or using tobacco.

Respirator: Work ambient concentrations should be monitored and if the recommended exposure limit is exceeded, a NIOSH/MSHA approved dust respirator must be worn.

Ventilation: Use local ventilation if dusting is a problem, to maintain air levels below the recommended exposure limit.

Additional Measures: Emergency showers and eye wash stations should be available. Educate and train employees in the safe handling of hazardous chemicals.

9. Physical And Chemical Properties

Physical Form: Powder

Color: White

Odor: Odorless

Molecular Weight: 209.94 g/mol

Boiling Point: Not Applicable

Melting/Freezing Point: 1000°C

Solubility In Water: Insoluble

Specific Gravity: 2.95

10. Stability And Reactivity

Stability: Stable.

Hazardous Polymerization: Will not occur.

Incompatibilities: Acids and water, strong oxidizers.

Instable Conditions: Excessive temperatures (see incompatibilities).

Decomposition Temperature: N/A

Decomposition Products: Carbon monoxide, carbon dioxide and hydrogen fluoride.

11. Toxicological Information

RTECS Number: WA962500

Routes Of Exposure: Eye contact. Ingestion. Inhalation. Skin contact.

Toxicity Data: LD50- oral- >5000mg/kg (rat). Toxic if inhaled. Harmful if swallowed.

Chronic Toxic Effects: Overexposure may cause fluorosis, which is a condition affecting the bones and teeth. Acute Toxic Effects: Poison by ingestion. Large doses of overexposure cause severe nausea, vomiting, diarrhea, abdominal burning and cramp-like pains. Contact with skin and eyes may cause irritation. Inhalation can cause irritation to mucous membranes and respiratory tracts.

12. Ecological Information

Ecotoxicity: Toxicity to fish LC50 - Rainbow Trout - 42.5 mg/l - 96.0 h.

13. Disposal Considerations

Waste Disposal Method: Waste disposal should be in accordance with existing federal, state and local environmental regulations.

14. Transportation Information

Proper Shipping Name: Environmentally Hazardous Substance, Solid, N.O.S. (Cryolite)

UN Number: 3077

Class: 9

P.G.: III

Label Code: 9

15. Regulatory Information

OSHA Status: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Chemical Inventory: This compound is on the EPA Toxic Substance Control Act (TSCA) Inventory List

California Proposition 65: To the best of our knowledge, this product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects or other reproductive effects.

SARA 313 Title III:

Section 320 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: Acute Health
Section 313 Toxic Chemicals: None

16. Other Information

Prepared By: Michael Richard

Date: March 21, 2018

Reason For Issue: Emergency Contact Update

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