

MSDS SHEET

Synthetic Cryolite

Section I.

Chemical Product and Company Identification

Supplier:

Triveni Chemicals

135 Pancharatna Char Rasta G I D C Vapi.396195

Gujarat India

Tel. 91 260 2400022 / 3258683 Fax. 2400045

Chemical Name: Synthetic Cryolite

Synonym: Cryolite, Sodium Aluminium Fluoride, Sodium fluoaluminate

CAS Number: 15096-52-3

Chemical Formula: Na₃(AlF₆)

Section II.

Composition and Information on Ingredients

Chemical Name Sodium Aluminum Fluoride

CAS # 15096-52-3

Section III

Identification:

Accute Health 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.

Chronic Health Effects: Overexposure may cause fluorosis, which is a condition affecting the bones and teeth.

Section IV.

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.

Section V.

Extinguishing Media: Carbon Dioxide, dry chemical powder, or appropriate form.

Fire Fighting Procedure: If excessive smoke or fumes are encountered, wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

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

Section VI.

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

Section VII.

Storage Temperatures: Store at ambient temperature

Shelf Life: Unlimited in tightly closed container.

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 (see Section X). Reseal containers immediately after use. Store away from food and beverages.

Section VIII.

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

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

Section IX.

Specification:

| | |
|--------------------------------|----------------------------------|
| Assay. | 98.00% |
| Formula | Na ₃ AlF ₆ |
| Al Content. | 12.5 to 14 |
| Physical Form: | Powder |
| Colour: | White |
| Odour: | Odorless |
| Molecular Weight: | 209.94 |
| Boiling Point: | N/A |
| Melting/Freezing Point: | 1000oC |
| Solubility In Water: | Insoluble |
| Specific Gravity: | 2.95 |

Section X.

Stability: Stable

Incompatibilities: Acids and Water, strong oxidizers

Instable Conditions: Excessive temperatures (see Incompatibilities).

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

Section XI.

RTECS Number: WA962500

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

Toxicity Data: LD50- rat- 200mg/Kg

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.

Section XII.

Ecotoxicity: Not available at this time.

Section XIII. Disposal Considerations

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

Section XIV. Transportation Information

Proper Shipping Name: Cryolite

UN Number: N/A

Class: N/A

P.G.: N/A

DOT Label: N/A

Section XV.

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 XVI.

No warranty, expressed or implied, or merchantability, fitness for a particular purpose or otherwise is made, except that the products herein discussed comply with the chemical description on the labels. Buyer assumes risks of the use, storage and handling. Hummel shall not be liable for any incidental or consequential damages arising directly or indirectly in connection with the purchase, use, storage or handling of this product. The information contained herein is, to the best of our knowledge, true and accurate. However, all recommendations or suggestions are made without guarantee, since the conditions of use are beyond our control. We disclaim any

liability incurred in connection with the use of these data or suggestions. This information is not to be taken as a license to operate under, or a recommendation to infringe any patent(s). The observance of all regulations and patents is the responsibility of the user. No agent, representative or employee of this company is authorized to vary any terms of this notice.