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# MATERIAL SAFETY DATA SHEET

Date of Issue : September 2008 (Rev: 2)

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## Name of commodity & manufacturer

### EtchON Low Reflection-Frost Glass Frosting Powder

#### Name of Manufacturer :-

Axioma Technologies  
Shop# 5 &7, Suresh Bhawan 1, Chauraha, Near Raja Bazar,  
Aurangabad – 431001, Maharashtra, India.

## Composition/ Information on Ingredients

Ingredients : Ammonium Bifluoride and rest ingredients

## Hazards Identification

### Emergency Overview

**WARNING : KEEP OUT OF CHILDREN, HARMFUL IF SWALLOWED, ANY CAUSE BURNS WHICH MAY NOT BE IMMEDIATELY PAINFUL OR VISIBL. RINSE IMMEDIATELY WITH WATER IN CASE OF CONTACTING SKIN OR EYES.**

### Potential Health Effects

**Ingestion:-** May cause salivation, nausea, vomiting, diarrhea, and abdominal pain, followed by symptoms of weakness.

**Skin Contact:-** Cause irritation and burns to the skin. Effects may not appear immediately. In case of the direct skin contact –flush with plenty of water.

**Eye Contact:-** Cause irritation, May be extremely irritating with possible burns to eye tissue.

## First Aid Measures

**Inhalation :-** If inhaled , remove to fresh air, If breathing is difficult, give oxygen, CALL PHYSICIAN IMMEDIATELY.

**Ingestion:-** Administer milk, chewable calcium tablets or milk of magnesia . Never give anything by mouth to an unconscious person. CALL A PHYSICIAN IMMEDIATELY.

**Skin contact:-** Wipe off any excess material from skin and then immediately flush skin with large amounts of soapy water. Remove contaminated clothing and shoes. Wash cloth before re-use. Apply bandage soaked in magnesium sulfate. CALL A PHYSICIAN IMMEDIATELY.

**Eye Contact:- Immediately flush eyes with** gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. CALL A PHYSICIAN IMMEDIATELY.

## Fire Fighting Measures

**Fire :** Not considered to be a fire hazards.

**Explosion:** Contact with water and metal at the same time may evolve flammable hydrogen gas.

**Fire Extinguishing Media:** Dry Chemical , foam or carbon dioxide. Do not use water.

**Accidental Release Measures**

Ventilate area of leak or spill. Spills : Pickup and place in a suitable container for reclamation or disposal, using a method that does not generate dust.

**Handling and Storage**

Keep liquid in a closed container. Store in a cool, dry, ventilated area. Protect against physical damage. Separate from acids or alkalis. Do not store in metal containers, as contact with moisture and metal at the same time may release flammable hydrogen gas. Containers of this material may be hazardous when empty since they retain product residues (dust, solids) observe all warnings and precaution listed for the product.

**Exposure Controls / Personal Protection**

**Engineering Controls:**

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Personal Protection:**

Splash goggles. Synthetic apron. Vapor and dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

**Personal Protection in Case of a Large Spill:**

Splash goggles. Full suit. Vapor and dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits:**

TWA: 2.5

Consult local authorities for acceptable exposure limits.

**Physical and Chemical Properties**

**Appearance :** White Crystals

**Physical State:** Solid

**Odor:** Pungent

**T Fusion:** about 120 °C

**T boiling :** about 230 °C at 1013 mbar, with decomposition

**Solubility in water:** 65% at 20 °C Temperature

**pH:** 2-3 at 20 °C Temperature

**Inflammation Point :** does not applied

**T Inflammation :** does not applied

**Explosibility :** does not applied

**Stability and Chemical Activity**

**Stability:**

Stable under ordinary conditions of use and storage.

**Hazardous Decomposition Products:**

Emits toxic fumes of hydrogen fluoride, nitric oxides, and ammonia when heated to decomposition. Upon contact with moisture and metal, this material may release hydrogen gas.

**Hazardous Polymerization:**

Will not occur.

**Incompatibilities:**

Reacts with acids to liberate hydrogen fluoride and base to liberate ammonia. When combined with moisture, will corrode glass, cement and most metals.

**Conditions to Avoid:**

No information found.

**Toxic Information**

**Routes of Entry:** Eye contact. Inhalation. Ingestion.

LC50 for inhalation, rate : 1276 ppm, 1 h of exposition

LC50 for inhalation, rate : 342 ppm, 1h of exposition

**Other Toxic Effects on Humans:**

Hazardous in case of skin contact (irritant), of ingestion, .

Hazardous in case of skin contact (corrosive).

Hazardous in case of eye contact (corrosive), of inhalation (lung corrosive).

Slightly hazardous in case of skin contact (permeator).

**Ecological Information**

Noxious for the water inhabitants

Avoid disposal into rivers, sewer system and land penetration.

**Disposal Considerations**

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

**Transport Information**

Shipping Name: EtchON Low Reflection-Frost Glass Frosting Powder

Hazard Identification: None

Packing Group: The goods are packaged according to the packaging requirement of ordinary goods

The substance is not subject to IATA DGR

**Other Information****Label Hazard Warning :**

**WARNING : KEEP OUT OF CHILDREN, HARMFUL IF SWALLOWED, MAY CAUSE BURNS WHICH MAY NOT BE IMMEDIATELY PAINFUL OR VISIBLE. RINSE IMMEDIATELY WITH WATER IN CASE OF CONTACTING SKIN OR EYES.**

**Label Precautions :**

Do not breathe dust

Keep the poly bags sealed

Use only with adequate ventilation

Wash thoroughly after handling

Do not get in eyes, on the skin, or on clothing.

**Disclaimer:**

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