

---

---

# MATERIAL SAFETY DATA SHEET

---

---

Date of Issue : March 2007

## Name of commodity & manufacturer

### EtchON Electrolyte – General Purpose

#### Name of Manufacturer :-

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

## Composition/ Information on Ingredients

#### Ingredients :

Chloride Salts 1-41%, Nitrate Salts 1-33%, Wetting Agents 1-17%, Water 1-92%

## Hazards Identification

### Emergency Overview

**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.**

### Potential Health Effects

**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.

**Ingestion:** Possible facial Discoloration, Nausea.

**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

**Flash Point :** - Does not apply

**Flammable Limits :-** Does not apply

**Non-Flammable pH:-** 5.5

**Explosion:-** N/A

**Fire Extinguishing Media:-** Does not apply, does not burn

## 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. 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. 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:**

Consult local authorities for acceptable exposure limits.

**Physical and Chemical Properties**

**Appearance :** White

**Physical State:** Liquid

**Odor:** Pungent

**Boiling Point:** about 100 °C (212 °F)

**Solubility in water:** 100 % at 20 °C Temperature

**Melting Point :** does not applied

**Evaporation Rate :** does not applied

**Stability and Chemical Activity****Stability:**

Stable under ordinary conditions of use and storage.

**Hazardous Decomposition Products:**

Does not applied

**Hazardous Polymerization:**

Will not occur.

**Incompatibilities:**

Reducing agents, oxides of nitrogen and chlorine

**Conditions to Avoid:**

No information.

**Toxic Information**

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

**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).

**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 Electrolyte General Purpose  
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, AMY CAUSE BURNS WHICH MAY NOT BE IMMEDIATELY PAINFUL OR VISIBL. RINSE IMMEDIATELY WITH WATER IN CASE OF CONTACTING SKIN OR EYES.**

**Label Precautions :**

- Do not breath 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:**

\*\*\*\*\*

Axioma Technologies provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. AXIOMA TECHNOLOGIES MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, AXIOMA TECHNOLOGIES WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.

\*\*\*\*\*

Prepared by: Axioma Technologies, India  
Phone Number : +91-240-2323859