

# MATERIAL SAFETY DATA SHEET

Product name: **ET-FOAM**  
Last revised date: 11-Jan-10  
Print date: 21-Jul-11

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## 1. SUBSTANCE AND SUPPLIER IDENTIFICATION

**PRODUCT NAME:** ET-Foam

**MANUFACTURER:** Germiphene Corporation  
**ADDRESS:** 1379 Colborne Street East, Brantford, Ontario N3T 5M1, Canada  
**PHONE:** 519-759-7100  
**FAX:** 519-759-1625

**EMERGENCY PHONE:** CANUTEC 613-996-6666

**PRODUCT USE:** Enzymatic soaking foam that pre-cleans and protects instruments, prior to processing.

## 2. COMPOSITION / INFORMATION ON INGREDIENTS (not intended as specifications)

**INGREDIENT:** Propylene glycol  
**CAS No** 57-55-6 % wt 15-20  
**HAZARDOUS:** Mildly

**INGREDIENT:** Protease A-2.5L  
**CAS No** 9014-01-1 % wt < 1%  
**HAZARDOUS:** Yes

**INGREDIENT:** Calcium chloride  
**CAS No** 10043-52-4 % wt < 1%  
**HAZARDOUS:** Mildly

**INGREDIENT:** Triethanolamine  
**CAS No** 102-71-6 % wt < 2%  
**HAZARDOUS:** May cause irritation to skin and eyes.

## 3. HAZARD IDENTIFICATION

**EYES:** May cause irritation.  
**SKIN:** Irritating to skin.  
**INGESTION:** Corrosive. Swallowing may cause burns of mouth, throat, and stomach.  
**INHALATION:** May cause respiratory tract irritation.

## 4. FIRST AID MEASURES

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**EYES:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.  
**SKIN:** Wash off with plenty of water removing all contaminated clothes and shoes.  
**INGESTION:** Drink plenty of water. Do not induce vomiting.  
**INHALATION:** Move to fresh air.

## 5. FIREFIGHTING MEASURES

**EXTINGUISHING MEDIA:** Not a fire hazard.  
**SPECIAL FIREFIGHTING PROCEDURES:** Standard procedure for chemical fires.

## 6. ACCIDENTAL RELEASE MEASURES

Ventilate area of leak or spill. Keep unnecessary and unprotected people away from area of spill. Wear appropriate personal protective equipment. Flush with plenty of water. Soak up with inert absorbent material (e.g. sand, silica gel, universal binder, sawdust). Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

Keep in a tightly closed container. Protect from physical damage. Store in a cool, dry, ventilated area away from sources of heat, moisture and incompatibilities. Do not store with aluminum or magnesium.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**VENTILATION:** Ensure adequate ventilation, especially in confined areas.  
**EYE PROTECTION:** Goggles are recommended.  
**SKIN PROTECTION:** Rubber gloves are recommended.  
**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Use lightweight protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Clear to light purple liquid  
**ODOUR:** Mild  
**PHYSICAL STATE:** Liquid  
**pH AS SUPPLIED:** 6.5 - 8.5  
**SPECIFIC GRAVITY:** 1.02 g/ml  
**SOLUBILITY:** Infinite in water  
**VISCOSITY:** Non-viscous

## 10. STABILITY AND REACTIVITY

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**STABILITY:** Stable at normal conditions.  
**CONDITIONS TO AVOID:** Avoid temperatures above 50°C.  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Oxidizing agents.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition can lead to release of irritating gases and vapors.  
**HAZARDOUS POLYMERIZATION:** Does not occur.

## 11. TOXICOLOGICAL INFORMATION

**PROPYLENE GLYCOL** Oral rat LD50 20 g/kg  
Dermal rabbit LD50 20.8 g/kg  
Eye irritation rabbit (Draize) 500 mg/24H mild

**TRIETHANOLAMINE** Oral rat LD50 4920 mg/kg  
Oral rabbit LD50 5160 mg/kg  
Oral mouse LD50 7400 mg/kg  
Oral guinea pig LD50 5300 mg/kg  
Skin rabbit LD50 > 20 mL/kg  
Skin irritation rabbit 560 mg/24H mild  
Eye irritation rabbit 20 mg severe

**BORIC ACID** Oral rat LD50 2660 mg/kg  
Oral woman LDLo 200 mg/kg  
Investigated as a mutagen, tumorigen, reproductive effector

## 12. ECOLOGICAL INFORMATION

Completely soluble. Bioaccumulation unlikely. Ecological injuries are not known or expected under normal use.

## 13. DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Flush thoroughly with large quantities of water into sewage disposal system in accordance with federal, provincial, and local regulations.

## 14. TRANSPORT INFORMATION

**TRANSPORT HAZARD CLASS:** Not applicable.

## 15. REGULATORY INFORMATION

None

## 16. OTHER INFORMATION

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**Prepared by:** Germiphene Technical Department

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