

Millennium Signatures
MARKING SYSTEMS

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Emergency Numbers

Canutec: (613) 996-6666
Poison ControlCentre:

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MATERIAL SAFETY DATA SHEET

Section I

Chemical Name: ESN

Formula: Trade Secret

Section II Hazardous Ingredients/ Identity Information

Monoethanolamine (CAS #141-43-5) TLV:3ppm PEL:3ppm STEL:6ppm

Section III Physical/ Chemical Characteristics

Boiling Point: 215 Degrees (F) **Evaporation Rate:** Like Water

Vapour Pressure: Like Water

% Volatile: 30-60 **pH:** 9.2 TO 9.6

Vapour Density: Like Water

Appearance: Green Fluorescent Fluid, Amine Odor

Section IV Fire and Explosion Hazard Data

Flash Point: None Obtained **LEL:** N/A **UEL:** N/A

Explosive: Not under normal conditions

Extinguishing Media: N/A

Special Fire Fighting Instructions: If water boils off, use water fog carbon dioxide, foam, dry chemical

Unusual Fire and Explosion Hazards: None

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Section V Reactivity Data

Stability: Stable

Conditions to Avoid: N/A

Incompatibility (Materials to Avoid): Strong Oxidizers

Hazard Polymerization: Will not occur

Hazardous Decomposition or Byproducts: Thermal; Oxides of Carbon and Nitrogen

Section VI Health Hazard Data

Route(s) of Entry:

Inhalation: N/A

Skin: Y

Ingestion: Y

Health Hazards (Acute & Chronic):

Ingestion: Harmful

Skin and Eyes: Mild Irritation

Inhalation: Avoid breathing products mists, breathing mists in excess may cause irritation of upper respiratory tract. Persons with chronic respiratory disease may show increased symptoms due to irritation.

Signs and Symptoms of exposure:

Ingestion: May effect persons with existing kidney or liver disease.

Skin and Eyes: Mild Irritation

Medical conditions generally aggravated by exposure: See inhalation effects.

Emergency and First Aid Procedures:

Remove to source of fresh air

Skin and Eyes: Flush thoroughly with water for fifteen minutes, if irritation continues contact a physician. **Skin:** Wash with soap and water.

Ingestion: Induce vomiting by administering emetic, consult physician.

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Section VII Precautions for Safe Handling and Use

Hygienic Practices: Minimize skin contact, wash exposed skin frequently, do not wear contaminated clothing

Special protective measures during repair maintenance of contaminated equipment: If need, use protective clothing and work practices to avoid constant contact with material.

Spill handling/Clean-up: Use suitable absorbent and dispose of in dot approved waste containers

Waste Disposal: To be performed in compliance with all current local, provincial and federal regulations

Precautions to be taken in handling and storing: Keep containers tightly closed, and keep from freezing (32 degrees [F]). Wash hands thoroughly after handling

Other precautions: Wash hands thoroughly after handling

Section VIII Control Measures

Respiratory Protections (specify type): If needed, an approved mist respirator can be used

Ventilation: Local exhaust is sufficient

Protective gloves: Rubber gloves

Eye protection: For extra protection, wear safety goggles

Other protective clothing or equipment: Optional- Apron

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