



Millennium Signatures
MARKING SYSTEMS

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Emergency Numbers

Canutec: (613) 996-6666
Poison ControlCentre:

Revised: February 1st, 2008

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MATERIAL SAFETY DATA SHEET

Section I

Chemical Name: 59NCL (Nuclear Grade) Electrolyte

Formula: Trade Secret

Section II Hazardous Ingredients/ Identity Information

Mixed Nitrate Salt 4%

ACGIH TLV: None Established

TXDS: ORL-HMN LDLO: 500mg/kg

Section III Physical/ Chemical Characteristics

Boiling Point: 212 Degrees (F)

Specific Gravity: 1.14

Vapour Pressure (mm Hg) @ 25 Degrees (C) [77 Degrees (F)]: 23.7

Melting Point: N/A

Vapour Density (AIR – 1): N/A

Evaporation Rate: N/A

Solubility in Water: Complete (100%) (Butyl Acetate – 1)

Appearance: Clear, Slight Odour

Section IV Fire and Explosion Hazard Data

Flash Point: N/A

Flammable Limits: N/A

ph: 3.1

Extinguishing Media: N/A

Spec. Fire Fighting Procedures: N/A

Unusual Fire & Explosion Hazards: N/A

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Section V Reactivity Data

Stability: Stable

Conditions to Avoid: If solution dries; Heat, open flame sparks

Incompatibility (Materials to Avoid): With dried solution, Reducing agents, organic material, oxidizers

Hazard Polymerization: Will not occur

Hazardous Decomposition or By-Products: None, but surrounding fire may release nitrogen oxide

Conditions to Avoid: N/A

Section VI Health Hazard Data

Route(s) of Entry:

Inhalation: N/A

Skin: Y

Ingestion: Y

Health Hazards (Acute & Chronic):

Ingestion: Toxic to digestive tract and central nervous system; may decrease ability of blood to carry oxygen

Skin and Eyes: May cause serious irritation or allergic reaction

Carcinogenicity: NTP: IARC Monographs: No

OSHA Regulated: No

Signs and Symptoms of exposure:

Ingestion: Nausea, vomiting, diarrhea and possible facial discoloration

Skin and Eyes: Irritation

Medical conditions generally aggravated by exposure: Dermatitis may possibly be aggravated

Emergency and First Aid Procedures:

Ingestion: Give emetic and contact a physician

Skin and Eyes: Flush thoroughly with water for fifteen minutes; Call a physician.

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Section VII Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:

Small Spills: Flush with to sewer

Large Spills: 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: None

Section VIII Control Measures

Respiratory Protections (specify type): N/A

Ventilation: Local exhaust is sufficient

Protective gloves: Optional- for sensitive skin

Eye protection: For extra protection, wear safety goggles

Other protective clothing or equipment: Optional- Apron

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