V & Associates, Inc. – Icex Products

Earth Friendly Ice Melters

MATERIAL SAFETY DATA SHEET

SECTION I: MATERIAL IDENTIFICATION

Product Name: E36®

Chemical Name: E36® Contains 50% Potassium Acetate: CAS#127-08-2
<1% Corrosion Inhibitors in 50% Water: CAS# 7732-18-5

Manufactured For: V & Associates, Inc. – Icex Products (414)379-0601
N8336 Deadwood Point Rd.
Fond du Lac, WI  54937

Date Prepared: October 16, 2009 Updated: October 17, 2009

SECTION II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components: None

SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: ~115°C Specific Gravity: 1.28 @ 20°C
Vapor Pressure: (20°C) 17 mm Hg Melting Point: -40°C
Vapor Density: No Data Evaporation Rate: No Data Available
Solubility in Water: Completely miscible in water pH: 10.5 – 11.5

Appearance and Odor: Clear, colorless to light straw colored liquid (may be dyed blue at customer request)

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flammable Limits: Non-flammable
LEL: N/A UEL: N/A
Extinguishing Media: N/A – Material is not flammable
Flash Point: N/A
Special Fire Fighting Procedures: This material normally will not burn.
Unusual Fire and Explosion Hazards: Normal combustion forms carbon dioxide and water vapor
NFPA Classification: 4=Severe, 3=Serious, 2=Moderate, 1=Slight, 0=Minimal
Health = 1 Flammability = 0 Reactivity = 0

SECTION V: REACTIVITY DATA

Stability: Stable
Incompatibilities: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
Hazardous Decomposition: None known
Hazardous Polymerization: Polymerization will not occur
Conditions to Avoid: Prolonged contact with reactive metals such as magnesium and zinc, especially in closed systems where hydrogen gas may accumulate over time. Store away from strong oxidizing materials.
SECTION VI:  HEALTH HAZARD DATA

Signs and Symptoms of Exposure:  Caution:  May cause eye irritation
   Eyes:  Slightly irritation to eyes and could cause prolonged (days) impairment of vision.  May include tears, pain, swelling, redness, and blurred vision.
   Skin:  Not expected to cause significant skin irritation
   Dermal Toxicity:  Should be practically non-toxic to internal organs if it is absorbed through the skin
   Inhalation:  Does not present inhalation hazard
   Ingestion:  If swallowed, it is considered practically non-toxic to internal organs.  Ingestion may cause irritation of the digestive tract which may result in nausea, vomiting, and diarrhea. (Product contains potassium salts which usually causes vomiting)

Emergency and First Aid Procedures:
   Eyes:  Flush immediately with fresh water for at least 15 minutes.  Remove contact lenses if worn.  If irritation persists, see a doctor.
   Skin:  Wash skin thoroughly with soap and water as a precaution.  Remove and wash contaminated clothing.
   Inhalation:  No first aid procedures required
   Ingestion:  If swallowed, give water or milk to drink and telephone for medical advice.  DO NOT make the person vomit unless directed to do so by medical personnel.  If medical advice cannot be obtained, take the person and the product container to the nearest medical emergency treatment center or hospital.

SECTION VII:  PRECAUTION FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled:  In Chemical Emergency – spill, leak, fire, or accident, call CHEMTREC day or night (800) 424-9300 or Outside continental USA call (703) 527-3887
   Contain spillage and absorb on suitable material e.g. sawdust, sand, or earth.  Transfer to container for disposal.
   Wash the spillage area with plenty of water.

Waste Disposal Method:  Dispose of according to federal, state, and local regulations.

Precautions to be taken in handling and storage:  Avoid contact with eyes and skin.  Avoid breathing mists when spraying.

Other Precautions:  Store in clean containers.  Do not store or handle product with systems constructed of wetted parts that have galvanized steel, zinc, or brass components.

SECTION VIII:  CONTROL MEASURES

Respiratory Protection:  None normally required
Ventilation:  No special ventilation is necessary
Protective Gloves:  Skin contact may be minimized by wearing protective clothing.
Eye Protection:  Chemical goggles
Other:  Avoid prolonged contact with skin.

The information contained in this Material Safety Data Sheet (MSDS) is, to the best of our knowledge, accurate and reliable.  No warranty of any kind is either expressed or implied.

This information should be provided to all individuals handling this product.  Federal, state, and local regulations should be followed when handling this product.