



Safety Data Sheet

Report Date 10-May-15

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1. Identification

Product Name : ECE-X K 0-0-8
Synonyms : Ece-X K
Product Use : Soil Conditioner/Concentrated Potash/Line Cleaner
Manufacturer/Supplier : Helena Chemical Company
Address : 225 Schilling Blvd. Collierville, TN 38017
General Information : 901-761-0050
Transportation Emergency Number : CHEMTREC:800-424-9300

2. Hazard Identification



Signal Word : Warning
Skin Irritation : Causes skin irritation
Eye Irritation : Causes serious eye irritation
Acute Toxicity Oral : May be harmful if swallowed
Acute Toxicity Dermal : May be harmful in contact with skin

Hazard Categories : Oral/Dermal/Inhalation Toxicity - 5/5/5; Eye Irritation - 2A; Skin Irritation - 2

Hazard Statement : May be harmful if swallowed
May be harmful in contact with skin
Causes serious eye irritation
Causes skin irritation
May be harmful if inhaled

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Polyacrylic acid salt (as line cleaner and soil conditioner)	Proprietary	30.00
Soluble potash, derived from potassium hydroxide.	Proprietary	8.00
Inert ingredients	Nonhazardous	62.00
GUARANTEED ANALYSIS:		
Soluble Potash (K ₂ O): 8.00%		

4. First Aid Measures

Eye : Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

Skin : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation : Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Ingestion : Call a poison control center or doctor immediately for treatment advice. Rinse mouth with water. Do not induce vomiting. Do not give anything by mouth if unconscious.

Indication of Immediate Medical Attention and Special Treatment Needed : In the event of an adverse response, treatment should be directed toward control of the symptoms.



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5. Fire Fighting Measures

- Extinguishing Media** : Use dry chemical, water spray, water fog, foam, carbon dioxide or sand/earth.
Specific Hazards Arising from the Chemical : Emits carbon monoxide, carbon dioxide and oxides of sulfur under fire conditions.
Special Fire Fight Proc : Wear self-contained breathing apparatus and full protective clothing.

6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area.
Protective Equipment : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use NIOSH-approved respiratory protection if spray is present. Eyewash should be available in work area.
Emergency Procedures : Spilled material will be quite slippery.
Methods and Materials for Containment and Cleanup : Dike and absorb spilled material with an absorbent such as clay, sand or sawdust. Collect and transfer to suitable containers for proper disposal. Flush spill area with water, then absorb and place in same containers with other material.

7. Handling and Storage

- Precautions for Safe Handling** : Keep locked up and out of reach of children. Do not contaminate water, food or feed by storage, handling or disposal. Keep container tightly closed. Do not allow water to be introduced into the contents of the container.
Conditions for Safe Storage : Store in original container only. Store in a dry place. Temperatures below 25 Degrees F. may result in product crystallization. The product will readily reconstitute, however, with warmer temperatures and gentle agitation of the container.

8. Exposure Controls / Personal Protection

- TLV/PEL** : No TLV or PEL available for mixture.
Appropriate Engineering Controls : Mechanical exhaust recommended.
Personal Protective Equipment : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Use NIOSH-approved respiratory protection if spray is present. Eyewash should be available in work area.

9. Physical and Chemical Properties

- Odor/Appearance** : Clear yellow slightly viscous liquid/acrylic odor.
Flash Point, °F : Non-combustible
Boiling Point, °F : 212 Degrees F.
Melting Point(Freezing point), °C : Not applicable
Vapor Pressure, mm Hg @ 20 °C : Not determined
Vapor Density : Not determined
Solubility in Water : Dispersible
Molecular Formula : Not applicable, formulated mixture.
Density, g/mL @ 25 °C : 1.146-1.156
Evaporation Rate(Butyl Acetate = 1) : Not determined



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Octanol/Water Partition Coefficient : No information found
pH : 6.0 to 7.5
Flammable Limits (approximate volume % in air) : Not determined
Auto-ignition Temperature : No information found
Decomposition temperature : No information found

10. Stability and Reactivity

Reactivity : No information found
Chemical Stability : Stable
Hazardous Decomposition Products : Carbon monoxide, carbon dioxide and oxides of sulfur under fire conditions.
Hazardous Polymerization : Will not occur
Conditions to Avoid : Do not mix with strong oxidizers such as hydrogen peroxide, bromine and chromic acid.
Incompatible Materials : Strong oxidizers such as hydrogen peroxide, bromine and chromic acid.

11. Toxicological Information

Acute Toxicity (Oral LD50) : >5,000 mg/kg (rat). May be harmful if swallowed.
Acute Toxicity (Dermal LD50) : No data available. May be harmful in contact with skin.
Acute Toxicity Inhalation LC50 : No LC50 available. May be harmful if inhaled.
Likely Routes of Exposure : Skin and eyes
Skin Irritation : Causes skin irritation
Eye Irritation : Causes serious eye irritation
Skin Sensitization : Not a skin sensitizer
Carcinogenic : Not listed by IARC, NTP or OSHA.
Chronic Effects : No information found
Other Hazards : No component of this product identified as probable, possible or confirmed human carcinogen and present at levels greater than or equal to 0.1%.

12. Ecological Information

Ecotoxicity : No information found
Persistence and Degradability : No information found
Bioaccumulative Potential : No information found
Mobility in Soil : No information found
Other Adverse Effects : No information found

13. Disposal Considerations

Waste Disposal Method : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

14. Transport Information

UN Proper Shipping Name : Not regulated by DOT, IATA or IMDG.
Transport Hazard Class : None
UN Identification Number : None



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Packaging Group : None
Environmental Hazards : No information found
Transport in Bulk : No information found
Special Precautions for Transportation : No information found
Freight Classification : Fertilizing Compound, (Manufactured Fertilizer), Liquid, NOIBN (NMFC Item 68140, Sub 6, Class 70)

15. Regulatory Information

National Fire Protection Association Rating

Health: 2 Fire: 1 Reactivity: 0
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

S.A.R.A Title III Hazard Classification (Yes/No)

Immediate(Acute) Health: Y
Delayed (Chronic) Health: N
Sudden Release of Pressure: N
Fire: N
Reactive: N

16. Other Information

Data of Preparation/Revision : 10-May-2015