

Material Safety Data Sheet

Effective Date: 19-JAN-2011  
Product: ECE-X K

I. IDENTIFICATION

Chemical Name: POLYACRYLIC ACID SOIL CONDITIONER  
Chemical Family: ACRYLIC ACID  
Formula: NOT APPLICABLE, FORMULATED MIXTURE  
Synonyms: ECE-X K 0-0-8  
CAS Number: NOT APPLICABLE, FORMULATED MIXTURE  
EPA Number: NOT REQUIRED

II. PHYSICAL DATA

Boiling Point: 212 DEGREES F.  
Freezing Point: <35 DEGREES F.  
Spec Gravity: 1.146-1.156 GMS/CC  
Vapor Pressure: NOT DETERMINED  
Vapor Density: NOT DETERMINED  
Solubility: DISPERSIBLE  
Volatiles: NOT DETERMINED  
Evaporation: NOT DETERMINED  
Melting Point: NOT APPLICABLE  
Appearance: CLEAR LIQUID, SLIGHT ACRYLIC ODOR.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
PROPRIETARY BLEND OF POTASSIUM HYDROXIDE (CAS NO 1310-58-3), WATER AND POLYACRYLIC ACID SALTS.		100.00	N/E	SKIN & EYE IRRITANT

GUARANTEED ANALYSIS:  
Soluble Potash (K2O): 8.00%

IV. FIRE AND EXPLOSION HAZARD

Flash Point: NON-COMBUSTIBLE  
Autoignition Temp: NOT APPLICABLE  
Flammable Limit: NOT APPLICABLE  
Extinguishing Media: DRY CHEMICAL, WATER SPRAY, WATER FOG, FOAM,  
SAND/EARTH OR CARBON DIOXIDE.  
Special Fire Fight Proc: FIREFIGHTERS MUST BE EQUIPPED TO PREVENT  
BREATHING OF VAPORS OR PRODUCTS OF COMBUSTION.  
WEAR AN APPROVED SELF-CONTAINED BREATHING  
APPARATUS AND PROTECTIVE CLOTHING.  
Fire and Expl Hazard: SPILLED MATERIAL WILL BE VERY SLIPPERY.

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V. HEALTH HAZARD  
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Carcinogen Information: NOT LISTED BY NTP, IARC, OR OSHA

ACUTE EFFECTS OF OVER EXPOSURE  
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Swallowing: LOW TOXICITY - POSSIBLE IRRITATION TO THROAT  
AND VOMITING.  
Skin Absorption: NONE CURRENTLY KNOWN.  
Inhalation: NONE CURRENTLY KNOWN.  
Skin contact: MAY CAUSE IRRITATION AFTER REPEATED EXPOSURE.  
Eye Contact: LIQUID MAY CAUSE EYE INJURY OR IRRITATION.  
Chronic Effects: NONE CURRENTLY KNOWN.  
Other Hazard: NONE CURRENTLY KNOWN.

EMERGENCY AND FIRST AID PROCEDURES  
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Swallowing: DILUTE BY GIVING LARGE AMOUNTS OF WATER. DO  
NOT INDUCE VOMITING. CONSULT A PHYSICIAN.  
Skin: WASH SKIN THOROUGHLY WITH SOAP AND WATER. IF  
IRRITATION DEVELOPS, CONSULT A PHYSICIAN. WASH  
CLOTHING BEFORE REUSE.  
Inhalation: MOVE TO FRESH AIR IF IRRITATION IS NOTED.  
CONSULT A PHYSICIAN IF IRRITATION PERSISTS.  
Eyes: FLUSH EYES WITH WATER FOR 15 MINUTES, HOLDING  
EYELIDS OPEN. IF IRRITATION DEVELOPS, CONSULT  
A PHYSICIAN.  
Notes to Physician: IN THE EVENT OF AN ADVERSE RESPONSE, TREATMENT  
SHOULD BE DIRECTED TOWARD CONTROL OF THE  
SYMPTOMS AND THE CLINICAL CONDITION OF THE  
PATIENT.

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VI. REACTIVITY  
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Stability: Stable  
Conditions to Avoid: NONE CURRENTLY KNOWN.  
Polymerization: Will Not Occur  
Conditions to Avoid: NONE CURRENTLY KNOWN.  
Incompatibility material: STRONG OXIDIZERS SUCH AS HYDROGEN PEROXIDE,  
BROMINE, AND CHROMIC ACID.  
Hazardous Combustion: CARBON MONOXIDE, CARBON DIOXIDE AND OXIDES OF  
SULFUR UNDER FIRE CONDITIONS.

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VII. SPILL OR LEAK PROCEDURES  
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Spill or Leak Proc: DIKE AND ABSORB SPILL WITH AN ABSORBENT SUCH AS CLAY, SAND, OR SAWDUST. TRANSFER TO SUITABLE CONTAINERS FOR PROPER DISPOSAL. FLUSH SPILL AREA WITH WATER, ABSORB AND PLACE IN SAME CONTAINERS WITH OTHER MATERIAL.  
Waste Disposal Method: THIS MATERIAL MUST BE DISPOSED OF ACCORDING TO FEDERAL, STATE, OR LOCAL PROCEDURES UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT.  
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VIII. SPECIAL PROTECTION INFORMATION  
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Respiration: IF SPRAY IS PRESENT, USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION APPROPRIATE FOR INDICATED COMPONENTS.  
Ventilation: MECHANICAL EXHAUST  
Gloves: IMPERVIOUS  
Eyes: CHEMICAL WORKERS GOGGLES.  
Other: EYE WASH STATION, IMPERVIOUS APRON AND FOOTWEAR.  
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IX. SPECIAL PRECAUTIONS  
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Special precaution: KEEP OUT OF REACH OF CHILDREN. DO NOT STORE WITH FOOD, FEED, OR OTHER MATERIAL TO BE USED OR CONSUMED BY HUMANS OR ANIMALS. DO NOT CONTAMINATE WATER SUPPLIES, LAKES, STREAMS, OR PONDS. STORE IN ORIGINAL CONTAINERS. KEEP CONTAINER TIGHTLY CLOSED, DO NOT ALLOW WATER TO BE INTRODUCED INTO THE CONTENTS OF THIS CONTAINER. DO NOT STORE NEAR HEAT OR OPEN FLAME.  
Other precaution: THIS PRODUCT DOES NOT CONTAIN ANY CHEMICAL SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.  
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X. SHIPPING INFORMATION  
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Shipping name: NOT REGULATED BY DOT (HIGHWAY), IATA (AIR) OR IMDG (WATER).  
Hazard Class: NONE  
Identification No: NONE  
Labels Required: NONE

Helena Chemical Company  
PH: 901-761-0050  
CHEMTREC: 800-424-9300

19-JAN-2011 14:44:14  
Page 4 Of 4

Material Safety Data Sheet

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Placarding: NONE  
Freight Class: ADHESIVE, ADJUVANTS, SPREADERS OR STICKERS,  
LIQUID, NOIBN(NMFC ITEM 4610, CLASS 60)  
Chemical Name Equivalent R.Q.  
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NOT APPLICABLE NOT APPLICABLE

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XI. GENERAL PRODUCT INFORMATION  
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National Fire Protection Association Rating:  
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 2                      Fire: 1                      Reactivity: 0

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

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Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017  
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responsibility. It is offered solely for your consideration, investigation  
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