

Material Safety Data Sheet

Effective Date: 30-NOV-2001
Product: ECE-X SOIL CONDITIONER

I. IDENTIFICATION

Chemical Name: POLYACRYLIC ACID SOIL CONDITIONER.
Chemical Family: TRADE SECRET
Formula: NOT APPLICABLE, FORMULATED MIXTURE
Synonyms: NONE
CAS Number: NOT APPLICABLE, FORMULATED MIXTURE
EPA Number: NOT REQUIRED

II. PHYSICAL DATA

Boiling Point: NOT ESTABLISHED
Freezing Point: <35 DEGREES F.
Spec Gravity: 1.116 GMS/CC
Vapor Pressure: NOT ESTABLISHED
Vapor Density: NOT ESTABLISHED
Solubility: DISPERSIBLE
Volatiles: NOT ESTABLISHED
Evaporation: NOT ESTABLISHED
Melting Point: NOT ESTABLISHED
Appearance: CLEAR LIQUID, LOW ODOR.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
PROPRIETARY BLEND OF POLYACRYLIC ACID SALTS		100.00	NOT ESTABLI SHED	SKIN & EYE IRRITANT

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: NONE CURRENTLY KNOWN.

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V. HEALTH HAZARD

Carcinogen Information: NONE CURRENTLY KNOWN.

ACUTE EFFECTS OF OVER EXPOSURE

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

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.

VI. REACTIVITY

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.

VI. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: DIKE AND ABSORB SPILL WITH AN ABSORBENT SUCH AS

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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.

VIII. SPECIAL PROTECTION INFORMATION

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.

IX. SPECIAL PRECAUTIONS

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.

X. SHIPPING INFORMATION

Shipping name: NOT REGULATED BY DOT, IATA, OR IMO.
Hazard Class: NONE
Identification No: NONE

Helena Chemical Company
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CHEMTREC: 800-424-9300

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Labels Required: NONE
Placarding: NONE
Freight Class: ADHESIVE, ADJUVANT, SPREADER OR STICKER,
LIQUID, NOIBN

Chemical Name	Equivalent R.Q.
----- NOT APPLICABLE	----- NOT APPLICABLE

XI. GENERAL PRODUCT INFORMATION

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	

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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