

Material Safety Data Sheet

Effective Date: 19-JAN-2000
Product: ELE-MAX SUPER ZINC FL

1. IDENTIFICATION

Chemical Name: LIQUID SUSPENSION CONCENTRATE OF ZINC.
Chemical Family: INORGANIC METAL SALTS.
Formula: NOT APPLICABLE, FORMULATED MIXTURE.
Synonyms: NONE
CAS Number: SEE INGREDIENT STATEMENT, SECTION III.
EPA Number: NONE REQUIRED

II. PHYSICAL DATA

Boiling Point: >100 DEGREES C.
Freezing Point: <-7 DEGREES C.
Spec Gravity: 1.759 GMS/CC
Vapor Pressure: NOT ESTABLISHED
Vapor Density: NOT ESTABLISHED
Solubility: MISCIBLE WITH WATER.
Volatiles: NOT ESTABLISHED
Evaporation: NOT ESTABLISHED
Melting Point: <-7 DEGREES C.
Appearance: WHITE LIQUID SUSPENSION, VERY LOW ODOR.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
PROPRIETARY LIQUID SUSPENSION CONCENTRATE OF ZINC OXIDE WITH UREA		100.00	NOT ESTABLI SHED	PARTICLES IN SUSPENSION MAY CAUSE SKIN & EYE IRRIT

IV. FIRE AND EXPLOSION HAZARD

Flash Point: NONCOMBUSTIBLE
Autoignition Temp: NOT APPLICABLE
Flammable Limit: NOT APPLICABLE
Extinguishing Media: NON-COMBUSTIBLE LIQUID. USE EXTINGUISHING MEDIA
FOR UNDERLYING CAUSE OF FIRE.
Special Fire Fight Proc: WEAR SELF-CONTAINED BREATHING APPARATUS AND
FULL PROTECTIVE EQUIPMENT. USE WATER SPRAY TO
KEEP FIRE-EXPOSED CONTAINERS COOL.
Fire and Expl Hazard: PRODUCT MAY PRODUCE TOXIC FUMES UNDER FIRE
CONDITIONS.

Material Safety Data Sheet

Effective Date: 19-JAN-1998
Product: ELE-MAX SUPER ZINC FL

V. HEALTH HAZARD

Carcinogen Information: NONE CURRENTLY KNOWN.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: INGESTION MAY RESULT IN NAUSEA, FEVER AND
STOMACH CRAMPS.
Skin Absorption: NONE CURRENTLY KNOWN.
Inhalation: MIST MAY PRODUCE IRRITATION OF THE RESPIRATORY
TRACT
Skin contact: PRODUCT MAY PRODUCE MILD SKIN IRRITATION.
Eye Contact: PRODUCT MAY PRODUCE EYE IRRITATION.
Chronic Effects: NONE CURRENTLY KNOWN.
Other Hazard: NONE CURRENTLY KNOWN.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: IF CONSCIOUS, GIVE MILK OR WATER TO DRINK.
OBTAIN MEDICAL ATTENTION IMMEDIATELY.
Skin: WASH SKIN THOROUGHLY WITH SOAP AND WATER.
OBTAIN MEDICAL ATTENTION IF IRRITATION
DEVELOPS. LAUNDRER CLOTHING BEFORE REUSE.
Inhalation: MOVE TO FRESH AIR, OBTAIN MEDICAL ATTENTION IF
IRRITATION DEVELOPS.
Eyes: FLUSH EYES WITH WATER FOR 15 MINUTES, HOLDING
EYELIDS OPEN. OBTAIN MEDICAL ATTENTION IF
IRRITATION DEVELOPS.
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: NONE CURRENTLY KNOWN.
Hazardous Combustion: PRODUCT MAY PRODUCE TOXIC FUMES AND/OR VAPORS
UNDER FIRE CONDITIONS.

Material Safety Data Sheet

Effective Date: 19-JAN-1998
Product: ELE-MAX SUPER ZINC FL

VI. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: CONTAIN PRODUCT, REUSE MATERIAL IF UNCONTAMINATED. IF CONTAMINATED, ABSORB MATERIAL WITH AN ABSORBENT SUCH AS CLAY OR SAND AND PLACE IN SUITABLE PLASTIC CONTAINER FOR PROPER DISPOSAL. DO NOT CONTAMINATE WATER SUPPLIES.

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: NONE NEEDED UNDER NORMAL CONDITIONS. USE NIOSH/MSHA MIST RESPIRATOR UNDER MISTY CONDITIONS.

Ventilation: LOCAL EXHAUST NORMALLY SUFFICIENT.

Gloves: IMPERVIOUS GLOVES

Eyes: SPLASH PROOF 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, AWAY FROM EXCESSIVE HEAT BUT DO NOT ALLOW TO FREEZE.

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.

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

08-AUG-2001 16:13:54
Page 4 Of 4

Material Safety Data Sheet

Effective Date: 19-JAN-1998
Product: ELE-MAX SUPER ZINC FL

X. SHIPPING INFORMATION

Shipping name: NOT REGULATED BY DOT (HIGHWAY), IATA (AIR) OR
IMDG (WATER).
Hazard Class: NONE
Identification No: NONE
Labels Required: NONE REQUIRED
Placarding: NONE REQUIRED
Freight Class: COMPOUND, FERTILIZER (MANUFACTURED FERTILIZER)
LIQUID, NOIBN (NMFC ITEM 68140, SUB 6, CLASS
70)

Chemical Name	Equivalent R.Q.
-----	-----
N/A	N/A

XI. GENERAL PRODUCT INFORMATION

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

Health: 2 Fire: 0 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	

Helena Chemical Company believes that the data contained herein
is factual. This data is not to be taken as a warranty or
representation of legal responsibility. It is offered solely
for your consideration, investigation and verification.