

Material Safety Data Sheet

Effective Date: 17-MAY-2000
Product: TRACITE ZFM

I. IDENTIFICATION

Chemical Name: FORMULATED MIXTURE
Chemical Family: INORGANIC METAL SALTS
Formula: NA
Synonyms: NA
CAS Number: SEE MATERIAL SECTION III.
EPA Number: NONE REQUIRED

II. PHYSICAL DATA

Boiling Point: >100 DEGREES C.
Freezing Point: <32 DEGREES F.
Spec Gravity: 1.341 GMS/CC
Vapor Pressure: NA
Vapor Density: NA
Solubility: 99%
Volatiles: <1%
Evaporation: NA
Melting Point: NA
Appearance: BLACK LIQUID, PHENOLIC ODOR.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
ZINC SULFATE	07733-02-0	12.50	NOT APPLICABLE	SKIN & EYE IRRITANT
FERROUS SULFATE	07720-78-7	7.22	1 MG/M3	SKIN & EYE IRRITANT
MANGANESE SULFATE	07785-87-7	10.99	CL 5 MG/M3	SKIN & EYE IRRITANT
INERTS		69.29	NOT APPLICABLE	NOT APPLICABLE

IV. FIRE AND EXPLOSION HAZARD

Flash Point: NA
Autoignition Temp: NA
Flammable Limit: NA
Extinguishing Media: NON-COMBUSTIBLE LIQUID. USE EXTINGUISHING MEDIA FOR UNDERLYING CAUSE OF FIRE.
Special Fire Fight Proc: WEAR SELF-CONTAINED BREATHING APPARATUS AND

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FULL PROTECTIVE EQUIPMENT. USE WATER SPRAY TO
KEEP FIRE-EXPOSED CONTAINERS COOL.
Fire and Expl Hazard: PRODUCT MAY PRODUCE TOXIC FUMES UNDER FIRE
CONDITIONS.

V. HEALTH HAZARD

Carcinogen Information: NONE CURRENTLY KNOWN.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: INGESTION RESULTS IN VOMITING AND ABDOMINAL
CRAMPS.
Skin Absorption: NONE CURRENTLY KNOWN.
Inhalation: NOSE AND THROAT IRRITATION.
Skin contact: SKIN IRRITATION.
Eye Contact: 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,
INDUCE VOMITING.OBTAIN MEDICAL ATTENTION IF
IRRITATION DEVELOPS.
Skin: WASH SKIN THOROUGHLY WITH SOAP AND WATER.
OBTAIN MEDICAL ATTENTION IF IRRITATION
DEVELOPS.
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.INGESTION MAY RESULT IN CORROSIVE
DAMAGE TO THE DIGESTIVE TRACT.

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: NONE CURRENTLY KNOWN.
Polymerization: Will Not Occur
Conditions to Avoid: NONE CURRENTLY KNOWN.
Incompatibility material: PRODUCT MAY REACT VIGOROUSLY WITH ALKALINE
MATERIALS.
Hazardous Combustion: SULPHUR DIOXIDE UNDER FIRE CONDITIONS.

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VII. 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 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.
Ventilation: LOCAL EXHAUST SUFFICIENT.
Gloves: IMPERVIOUS
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.

Other precaution: A) RCRA HAZARDOUS WASTE NUMBER:-----
B) SARA TITLE III, SECTION 313:----- NOT LISTED
C) SARA THRESHOLD PLANNING QUANTITY: NOT LISTED
D) CERCLA REPORTABLE QUANTITY:----- 1,000 LB.
E) CALIFORNIA PROPOSITION 65:----- NOT LISTED
F) LISTED UNDER NEW JERSEY STATE RIGHT TO KNOW LAW.

X. SHIPPING INFORMATION

Shipping name: NOT REGULATED BY DOT
Hazard Class: NONE
Identification No: NONE
Labels Required: NONE
Placarding: NONE
Freight Class: COMPOUND, FERTILIZER (MANUFACTURED FERTILIZER) LIQUID, NOIBN

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

23-SEP-2002 10:36:24
Page 4 Of 4

Material Safety Data Sheet

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Chemical Name	Equivalent R.Q.
ZINC SULFATE	1,000 LB(454 KG)
FERROUS SULFATE	1,000 LN(454 KG)

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	

Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017
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