



# TECHNIC, INC.

## MATERIAL SAFETY DATA SHEET

### SECTION 1

### PRODUCT IDENTIFICATION

TRADE NAME (AS LABELED):                      TECHNI SOLDER NF LEAD CONCENTRATE (500/G/L)

CHEMICALS NAMES, COMMON NAMES:

PRODUCT CODE:    330228

MANUFACTURE'S NAME & ADDRESS:

PREPARED BY:      ALLAN H. REED

TECHNIC INC.

DATE PREPARED:    December 20, 2004

1 SPECTACLE STREET

CRANSTON, RI 02910

EMERGENCY PHONE: 401-781-6100

24 HOUR EMERGENCY: CHEM TREC 800-424-9300

OUTSIDE THE USA AND CANADA: 703-527-3887

### SECTION 2

### COMPOSITION / INFORMATION ON INGREDIENTS

<u>CHEMICAL NAMES</u>	<u>CAS NUMBER</u>	<u>PERCENT</u>	<u>EXPOSURE LIMITS</u>
Lead methane sulfonate	17570-76-2	51-56%	0.05 mg/m <sup>3</sup> (Pb) ACGIH TWA 0.05 mg/m <sup>3</sup> (Pb) OSHA PEL
Methane sulfonic acid	75-75-2	<2%	None established

### SECTION 3

### HAZARD IDENTIFICATION

SYMPTOMS OF OVER-EXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE.

**INHALATION:**                                      Main source of toxic hazard. Lead poisoning can produce symptoms of nausea, headaches, cramps and dizziness.

**CONTACT WITH SKIN OR EYES:** Redness or blurring of eyes; may cause severe skin irritation.

**ABSORBED THROUGH SKIN:**                      May cause irritation.

**SWALLOWED:**                                      Main source of toxic hazard. Lead poisoning can produce symptoms of nausea, headaches, cramps and dizziness.

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SUSPECTED CANCER AGENT?                  NO                          X                          YES                      (IARC)

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**HEALTH EFFECTS OR RISKS FROM EXPOSURE. EXPLAIN IN LAY TERMS.**

**ACUTE:** If left untreated: weakness, vomiting, loss of appetite, uncoordinated body movements, convulsions, stupor and possibly coma.

**CHRONIC:** If left untreated: weakness, insomnia, hypertension, slight irritation to skin and eyes, metallic taste in mouth, anemia, constipation, headache, muscle and joint pains, neuromuscular dysfunction, possible paralysis and encephalopathy.

**SECTION 4****FIRST AID MEASURES****FIRST AID: EMERGENCY PROCEDURES**

**EYE CONTACT:** Flush with water, including under lids, for fifteen minutes. Obtain immediate medical attention.

**SKIN CONTACT:** Remove contaminated clothing and wash affected area thoroughly with soap and water. Launder clothing before rewearing. Seek medical attention for prolonged skin irritation.

**INHALED:** Remove patient to fresh air. Support breathing if required. Obtain medical treatment for dizziness, unconsciousness or irritation or difficulty in breathing.

**SWALLOWED:** If patient is conscious, rinse mouth and drink at least two large glasses of water. **DO NOT** induce vomiting. Never give anything by mouth to an unconscious person. Obtain immediate medical attention.

**SECTION 5****FIRE FIGHTING MEASURES**

**FLASH POINT (°F) (METHOD USED):** N.A. (Will not burn)

**AUTOIGNITION TEMPERATURE, °F:** N.A.

**FLAMMABLE LIMITS IN AIR, VOLUME, %:** LOWER LIMIT N.A. UPPER LIMIT N.A.

**FIRE EXTINGUISHING MATERIALS:** Use media appropriate for the surrounding fire.

WATER                       CARBON DIOXIDE                       OTHER

FOAM                               DRY CHEMICAL

**SPECIAL FIREFIGHTING PROCEDURES:** Wear a NIOSH/MSHA approved, self-contained breathing apparatus and full protective gear if fully involved in a fire.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Thermal decomposition may release sulfur dioxide and sulfur trioxide.

**SECTION 6****ACCIDENTAL RELEASE MEASURES****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Prevent spread of spill. Neutralize by means of slow and careful applications of a solution of soda ash and water. Dispose of material, containers and washings in compliance with all applicable regulations. (Proper hazardous waste site) Do not allow this material or its rinsings to enter storm or sanitary sewers.

**SECTION 7****HANDLING AND STORAGE**

**HANDLING AND STORAGE REQUIREMENTS:** Keep container tightly closed. Use only with adequate ventilation. Wash hands thoroughly with soap and water after handling and before eating or smoking.

**SECTION 8****EXPOSURE CONTROLS / PERSONAL PROTECTION**

**VENTILATION:** Local exhaust required, mechanical recommended.

**RESPIRATORY PROTECTION:** In a major spill, use a NIOSH/MSHA approved respirator with canister for sulfur oxides.

**EYES PROTECTION:** Goggles required.

**GLOVES:** Rubber gloves.

**OTHER CLOTHING AND EQUIPMENT:** Acid resistant apron recommended.

**WORK PRACTICES, HYGIENIC PRACTICES:** Wash thoroughly after handling and before eating or smoking. Wash contaminated clothing before reuse.

**SECTION 9****PHYSICAL / CHEMICAL PROPERTIES**

**VAPOR DENSITY (AIR =1):** N.A. **SPECIFIC GRAVITY:** 1.65

**VAPOR PRESSURE (MM Hg):** N.A. **MELTING POINT (°F):** -9° F

**EVAPORATION RATE (BUTYL ACETATE=1):** N.A. **BOILING POINT (°F):** N.D.

**SOLUBILITY IN WATER:** Complete **pH:** 3.5-4.5

**APPEARANCE AND ODOR:** Clear, colorless liquid; slight sulfur oxide odor.

**SECTION 10****STABILITY AND REACTIVITY**

**STABILITY:**  STABLE  UNSTABLE

**CONDITIONS TO AVOID:** Excess heat.

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong alkaline materials.

**HAZARDOUS DECOMPOSITION PRODUCTS (INCLUDING COMBUSTION PRODUCTS):**  
Sulfur oxides and lead oxide fumes when heated to dryness.

**HAZARDOUS POLYMERIZATION:**  MAY OCCUR  WILL NOT OCCUR

**SECTION 11 TOXICOLOGICAL INFORMATION**

**ACUTE EFFECTS:** See section 3.

**IRRITATION DATA:** See section 3.

**TOXICITY DATA:** No data available for lead methane sulfonate.  
Oral LD50 (rat) 1158 mg/kg (methane sulfonic acid)

**TARGET ORGAN DATA:** See section 3.

**SECTION 12 ECOLOGICAL INFORMATION**

This material is toxic to all forms of aquatic life.

**SECTION 13 DISPOSAL CONSIDERATIONS**

Dispose of all chemical wastes at an appropriate waste disposal facility. Follow all local, state, and federal regulations for disposal of waste chemicals.

**SECTION 14 TRANSPORT INFORMATION**

**Proper Shipping Name:** Corrosive Liquid, TOXIC, N.O.S.  
(Alkyl Sulfonic Acid, Lead Methane Sulfonate)

**Identification Number:** UN2922

**Hazard Class:** 8,(6.1)

**Packaging Group:** II

**SECTION 15 REGULATORY INFORMATION**

This product is regulated as a toxic chemical under Section 313 of Title III/SARA, and 40 CFR, Part 372.  
This product is regulated by the California Proposition 65 list.  
All ingredients are listed in the TSCA inventory.  
For the purposes of the New Jersey Right to Know Law, the contents are partially known.

**SECTION 16 OTHER INFORMATION**

<b>H</b>	
<b>Health</b>	<b>3</b>
<b>F</b>	
<b>Flammability</b>	<b>0</b>
<b>R</b>	
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>C</b>