



TECHNIC, INC.

MATERIAL SAFETY DATA SHEET

SECTION 1

PRODUCT IDENTIFICATION

TRADE NAME (AS LABELED): **TECHNI-SOLDER NF ACID (70%)**

CHEMICALS NAMES, COMMON NAMES:

PRODUCT CODE: **330271**

MANUFACTURE'S NAME & ADDRESS:

TECHNIC INC.

1 SPECTACLE STREET

CRANSTON, RI 02910

EMERGENCY PHONE: 401-781-6100

PREPARED BY: **ALLAN H. REED**

DATE PREPARED: **December 8, 2004**

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>
Methanesulfonic acid	75-75-2	70%	None reported

SECTION 3

HAZARD IDENTIFICATION

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

INHALATION: Causes severe irritation of upper respiratory tract, coughing, sneezing, salivation and difficulty in breathing.

CONTACT WITH SKIN OR EYES: Causes severe burns with possible permanent damage.

ABSORBED THROUGH SKIN: Not readily absorbed through unbroken skin.

SWALLOWED: Produces severe burns to mouth, stomach and gastrointestinal tract.

SUSPECTED CANCER AGENT? X NO YES

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

ACUTE: See symptoms of over-exposure above.

CHRONIC: None reported.

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): Not combustible.

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 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: Wear appropriate skin and eye protection. Contain spill and collect for disposal by suitable means such as absorption. Rinse spill area with water. Do not allow this material or its rinsings to enter storm or sanitary sewers without neutralization.

SECTION 7**HANDLING AND STORAGE**

HANDLING AND STORAGE REQUIREMENTS: Keep container tightly closed and store in a cool, dry area. Use with adequate ventilation. Avoid contact with skin, eyes and clothing.

SECTION 8**EXPOSURE CONTROLS / PERSONAL PROTECTION**

VENTILATION: Local exhaust required, mechanical recommended.

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

EYES PROTECTION: Face shield, goggles required.

GLOVES: Rubber gloves.

OTHER CLOTHING AND EQUIPMENT: Acid resistant apron recommended.

WORK PRACTICES, HYGIENIC PRACTICES: Wash thoroughly after handling. Wash contaminated clothing before re-use.

SECTION 9**PHYSICAL / CHEMICAL PROPERTIES**

VAPOR DENSITY (AIR =1):	3.3	SPECIFIC GRAVITY:	1.35
VAPOR PRESSURE (MM Hg):	N.A.	MELTING POINT (°F):	-76
EVAPORATION RATE (BUTYL ACETATE=1):	N.A.	BOILING POINT (°F):	N.D.
SOLUBILITY IN WATER:	Complete	pH:	<1

APPEARANCE AND ODOR: Colorless to pale yellow liquid; slight sulfur odor.

SECTION 10**STABILITY AND REACTIVITY**

STABILITY: X **STABLE** **UNSTABLE**

CONDITIONS TO AVOID: Excessive heat.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong alkaline materials.

HAZARDOUS DECOMPOSITION PRODUCTS (INCLUDING COMBUSTION PRODUCTS): Sulfur dioxide and sulfur trioxide.

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

SECTION 11**TOXICOLOGICAL INFORMATION**

ACUTE EFFECTS: No data reported.

IRRITATION DATA: No data reported.

TOXICITY DATA: Dermal LD50 (rabbit) 2000mg/kg; methane sulfonic acid (MSA)
Oral LD50 (mouse) 6200mg/kg; sodium salt of MSA

TARGET ORGAN DATA: No data reported.

SECTION 12**ECOLOGICAL INFORMATION**

No data reported; however, this product may be harmful to 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, Acidic, Organic, N.O.S. (Methane Sulfonic Acid mixture)

Identification Number: UN3265

Hazard Class: 8

Packaging Group: II

SECTION 15**REGULATORY INFORMATION**

This product is not regulated as a toxic chemical under Section 313 of Title III/SARA, and 40 CFR, Part 372.
This product is not 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**

H	
Health	3
F	
Flammability	0
R	
Reactivity	0
Personal	
Protection	C