## SECTION 1  
**PRODUCT IDENTIFICATION**

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

**CHEMICALS NAMES, COMMON NAMES:**

<table>
<thead>
<tr>
<th>PRODUCT CODE:</th>
<th>330271</th>
</tr>
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</table>

**MANUFACTURER'S NAME & ADDRESS:**

**TECHNIC INC.**  
1 SPECTACLE STREET  
CRANSTON, RI 02910  
EMERGENCY PHONE: 401-781-6100

**PREPARED BY:**  
ALLAN H. REED

**DATE PREPARED:**  
December 12, 2012

**EMERGENCY PHONE:**

CHEM TREC 800-424-9300  
OUTSIDE THE USA AND CANADA: 703-527-3887

## SECTION 2  
**COMPOSITION / INFORMATION ON INGREDIENTS**

<table>
<thead>
<tr>
<th>CHEMICAL NAMES</th>
<th>CAS NUMBER</th>
<th>PERCENT</th>
<th>EXPOSURE LIMITS</th>
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</thead>
<tbody>
<tr>
<td>Methanesulfonic acid</td>
<td>75-75-2</td>
<td>70%</td>
<td>None reported</td>
</tr>
</tbody>
</table>

## 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 @ 25 °C: 1.20-1.50

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

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

Classification for shipment by road or rail, sea (IMDG) and air (IATA/ICAO):
Proper Shipping Name: Corrosive Liquid, Acidic, Organic, N.O.S. (Contains Methane Sulfonic Acid)
Identification Number: UN3265
Hazard Class: 8
Packing 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

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<th>H</th>
<th>F</th>
<th>R</th>
<th>C</th>
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<tbody>
<tr>
<td>Health</td>
<td>3</td>
<td>Flammability</td>
<td>0</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
<td>Personal Protection</td>
<td>C</td>
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