

SECTION I PRODUCT IDENTIFICATION

TRADE NAME (as labeled): TECHNIF 820 HS RTU 60/40

CHEMICAL NAMES, COMMON NAMES: Stannous methane sulfonate, Lead methane sulfonate.

Methane sulfonic acid mixture.

MANUFACTURER'S NAME & ADDRESS: PRODUCT CODE NO.: 330681

TECHNIC, INC.

1 SPECTACLE STREET NAME OF PREPARER: WILLIAM A. WILSON

CRANSTON, RI 02910

EMERGENCY PHONE: (401) 781-6100 DATE PREPARED: December 12, 2000

24 hour Emergency: Chem Trec 1-800-424-9300

SECTION II HAZARDOUS INGREDIENTS

CHEMICAL NAMES CAS NUMBER PERCENT EXPOSURE LIMITS

Stannous Methane Sulfonate 53408-94-9 9.5% TLV for solution not established Inorganic Tin chemicals as class

Lead Methane Sulfonate 17570-76-2 4.5% TWA = 2 mg/M³ ACGIH

Inorganic Lead chemicals as

Class TWA = 0.05 mg/M³ ACGIH

Methane Sulfonic Acid 75-75-2 15.0% TLV = not established.

CH₄SO₃

This product is regulated as a toxic chemical under Section 313 of Title III/SARA, and 40 CFR, Part 372.

This product contains material that is known to the State of California to cause cancer.

All ingredients are listed in the TSCA inventory.

For purposes of the New Jersey Right To Know Law, the contents are partially unknown.

SECTION III PHYSICAL PROPERTIES

VAPOR DENSITY (AIR=1): N.A. SPECIFIC GRAVITY: 1.103

VAPOR PRESSURE (mm Hg): N.A. MELTING POINT (degrees F): N.A.

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

SOLUBILITY IN WATER: Completely soluble. pH: = Acidic

APPEARANCE AND ODOR: Water-white to pale yellow, clear to cloudy liquid with a faint sulfur odor.

SECTION IV FIRE AND EXPLOSION

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

AUTOIGNITION TEMPERATURE, F: N.A.

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

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FIRE EXTINGUISHING MATERIALS: Use media appropriate to the nature of the fire.

WATER SPRAY 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 V HEALTH HAZARD INFORMATION

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

INHALATION: Irritant to respiratory tract.

CONTACT WITH SKIN OR EYES: Corrosive (burning).

ABSORBED THROUGH SKIN: No.

SWALLOWED: Nausea, gastro-intestinal disturbances, burning, unconsciousness.

HEALTH EFFECTS OR RISKS FROM EXPOSURE. EXPLAIN IN LAY TERMS. ATTACH EXTRA PAGE IF MORE SPACE IS NEEDED.

ACUTE: No data available.

CHRONIC: No data available.

FIRST AID: EMERGENCY PROCEDURES

EYE CONTACT: Flush with water for at least 15 minutes. Get medical attention promptly. Lift lids occasionally

to ensure proper flushing of the eye surface.

SKIN CONTACT: Flush with soap and water. Get medical attention, if irritation develops or persists.

INHALED: Remove to fresh air, get medical attention if breathing difficulties persist.

SWALLOWED: DO NOT induce vomiting. If conscious, give plenty of water. Get medical attention promptly.

SUSPECTED CANCER AGENT? NO X YES ACGIH, IARC

SECTION VI REACTIVITY DATA

Stability: X Stable
Unstable

CONDITIONS TO AVOID: Excessive heat.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong alkalis, strong oxidizers.

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

Trioxide (thermal), lead and tin

residues.

HAZARDOUS POLYMERIZATION: MAY OCCUR X WILL NOT OCCUR

CONDITIONS TO AVOID: None.

SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Prevent spread of spill. Neutralize by means of slow and careful application of a solution of soda ash and water. Dispose of material, containers and wash in compliance with all applicable regulations (Proper hazardous waste site).

See Section VIII for employee protection measures.

WASTE DISPOSAL: SHOULD BE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL

ENVIRONMENTAL CONTROL REGULATIONS.

SECTION VIII SPECIAL HANDLING INFORMATION

VENTILATION: Local exhaust required.

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

EYE PROTECTION: 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 reuse.

OTHER HANDLING AND STORAGE REQUIREMENTS: Keep containers tightly closed. Store in a cool, dry area, keep

away from excessive heat and open flames. Keep lights, fire and sparks away from plastic containers. Do not drop,

roll or slide across sharp projections. Never use pressure to empty drums. Keep closure upright to prevent

leakage. Remove closure carefully to relieve possible internal pressure. Replace closure after each withdrawal. Do

not reuse drums for any purposes. Do not use container as dilution or mixing vessel. Use with

adequate ventilation. Do not breath vapors or mists. Avoid contact with skin, eyes or clothing.

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Personal	
Protection	