

SECTION I PRODUCT IDENTIFICATION

TRADE NAME (as labeled): TECHNIF 820 HS MAKE UP

CHEMICAL NAMES, COMMON NAMES: Tin lead electroplating surfactant blend

MANUFACTURER'S NAME & ADDRESS: PRODUCT CODE NO.: 330601

TECHNIC, INC.

1 SPECTACLE STREET NAME OF PREPARER: WILLIAM A. WILSON

CRANSTON, RI 02910

EMERGENCY PHONE: (401) 781-6100 DATE PREPARED: November 17, 2000

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

SECTION II HAZARDOUS INGREDIENTS

CHEMICAL NAMES CAS NUMBER PERCENT EXPOSURE LIMITS

This material is not considered to be hazardous.

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 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: 1.016

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: Soluble. pH: = N.D.

APPEARANCE AND ODOR: Clear liquid; no appreciable 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.

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

WATER SPRAY CARBON DIOXIDE OTHER:

FOAM DRY CHEMICAL

Special Firefighting Procedures: **Recommend NIOSH/MSHA approved self-contained breathing apparatus, and full protective gear, if fully involved in a fire.**

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UNUSUAL FIRE AND EXPLOSION HAZARDS: May emit toxic fumes under fire conditions.

SECTION V HEALTH HAZARD INFORMATION

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

INHALATION: May cause difficulty in breathing if mist or spray is inhaled.

CONTACT WITH SKIN OR EYES: Not expected to be an irritant.

ABSORBED THROUGH SKIN: No.

SWALLOWED: May cause gastrointestinal irritation, nausea, diarrhea.

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

ACUTE: May cause minor breathing or gastrointestinal problems with over exposure.

CHRONIC: No data available.

FIRST AID: EMERGENCY PROCEDURES

EYE CONTACT: Flush eyes with lots of water for 15 minutes or longer. Seek immediate medical attention. Lift

lids occasionally to ensure proper flushing of the eye surface.

SKIN CONTACT: Remove contaminated clothing and shoes. Wash with soap and water. If irritation develops, get medical attention. Launder clothing before reuse.

INHALED: Remove to fresh air. Maintain respiration. Seek medical attention.

SWALLOWED: If conscious: Give 2 glasses of water to dilute. Seek immediate medical attention from a physician and/or Poison Control Center.

SUSPECTED CANCER AGENT? X NO YES

SECTION VI REACTIVITY DATA

Stability: X Stable

Unstable

CONDITIONS TO AVOID: None known.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing and reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS (INCLUDING COMBUSTION PRODUCTS): Carbon oxides.

HAZARDOUS POLYMERIZATION: MAY OCCUR X WILL NOT OCCUR

CONDITIONS TO AVOID: None.

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SECTION VII SPILL, LEAK, AND DISPOSAL PROCEDURES

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

Confine spill. If spill is large, pump as much liquid as possible into suitable containers for disposal. Absorb small spills or large spill residues on suitable material (sawdust, clays, etc.). Shovel into containers and treat as solid waste. Incinerate in accordance with local, state and federal regulations.

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

ENVIRONMENTAL CONTROL REGULATIONS.

SECTION VIII SPECIAL HANDLING INFORMATION

VENTILATION: General exhaust.

RESPIRATORY PROTECTION: If necessary, wear a NIOSH/MSHA approved mist/spray respirator

EYE PROTECTION: Chemical goggles.

GLOVES: Rubber or plastic coated gloves.

OTHER CLOTHING AND EQUIPMENT: Rubber apron is optional.

WORK PRACTICES, HYGIENIC PRACTICES: Wash thoroughly after handling and before eating or smoking.

OTHER HANDLING AND STORAGE REQUIREMENTS: Store in a cool, dry area.

Store in tightly closed containers away from strong oxidizing and reducing agents.

Dispose of containers in accordance with local, state and federal regulations.

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