



TECHNIC, INC.

MATERIAL SAFETY DATA SHEET

SECTION I PRODUCT IDENTIFICATION

TRADE NAME (as labeled): TECHNI-GOLD 25 ES RTU

CHEMICAL NAMES, COMMON NAMES:

MANUFACTURER'S NAME & ADDRESS:

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

PRODUCT CODE NO.: 391427

NAME OF PREPARER: ALLAN H. REED

DATE PREPARED: August 1, 2003

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

SECTION II HAZARDOUS INGREDIENTS

<u>CHEMICAL NAMES</u>	<u>CAS NUMBER</u>	<u>PERCENT</u>	<u>EXPOSURE LIMITS</u>
Sulfuric acid	7664-93-9	2-5%	1mg/M ³ (TWA), 3mg/M ³ (STEL/C)
Ethylenediamine	107-15-3	2-5%	10 ppm (TWA)
Sodium gold sulfite	19153-98-1	<10%	as SO ₂ : 2 ppm (TWA), 5 ppm (STEL/C)
Sodium sulfite	7757-83-7	5-10%	as SO ₂ : 2 ppm (TWA), 5 ppm (STEL/C)

This product is 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.D. SPECIFIC GRAVITY: 1.01-1.10
VAPOR PRESSURE (mm Hg): N.D. MELTING POINT (degrees F): N.D.
EVAPORATION RATE (BUTYL ACETATE=1): N.D. BOILING POINT (degrees F): N.D.
SOLUBILITY IN WATER: Complete pH = 6-8
APPEARANCE AND ODOR: Clear, colorless liquid, no odor.

SECTION IV FIRE AND EXPLOSION

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 SPRAY CARBON DIOXIDE OTHER:
 FOAM DRY CHEMICAL

Special Firefighting Procedures: Full protective gear with a NIOSH/MSHA approved self-contained breathing apparatus if fully involved in a fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Excessive heat may lead to formation of sulfur dioxide gas and sodium sulfide residue.

SECTION V HEALTH HAZARD INFORMATION

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

INHALATION: Not known.

CONTACT WITH SKIN OR EYES: Mild irritant to eyes and skin.

ABSORBED THROUGH SKIN: Not known.

SWALLOWED: Not known.

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

ACUTE: Not known.

CHRONIC: Not known.

FIRST AID: EMERGENCY PROCEDURES

EYE CONTACT: Flush eyes (under lids) with plenty of water for at least 15 minutes and consult physician.

SKIN CONTACT: Wash thoroughly with soap and water. Remove contaminated clothing and launder before reuse.

INHALED: Remove to fresh air and maintain respiration. Consult physician if problems persist.

SWALLOWED: If conscious, give 2-4 glasses of water or milk and induce vomiting. Consult physician or Poison Control Center immediately.

SUSPECTED CANCER AGENT? X NO YES

SECTION VI REACTIVITY DATA

Stability: X Stable Unstable

CONDITIONS TO AVOID: Strongly acidic materials, excess heat.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong inorganic acids, phosphates.

HAZARDOUS DECOMPOSITION PRODUCTS (INCLUDING COMBUSTION PRODUCTS) : Sulfur dioxide, sodium sulfide residue.

HAZARDOUS POLYMERIZATION: _____ MAY OCCUR X WILL NOT OCCUR

SECTION VII _____ SPILL, LEAK, AND DISPOSAL PROCEDURES _____

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

Absorb on inert material, handling as an alkaline material. Send to Technic, Inc. for refining (contains gold). See Section VIII for employee protection.

WASTE DISPOSAL: SHOULD BE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL ENVIRONMENTAL CONTROL REGULATIONS.

SECTION VIII _____ SPECIAL HANDLING INFORMATION _____

- VENTILATION: Local exhaust.
- RESPIRATORY PROTECTION: Not normally required. Use a NIOSH/MSHA approved respirator for sulfur dioxide in a major spill.
- EYE PROTECTION: Chemical goggles.
- GLOVES: Rubber 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 place.
Keep containers closed.
Store away from strong acids, phosphates.

H	
Health	1
F	
Flammability	0
R	
Reactivity	0
Personal Protection	B