



TECHNIC, INC.

MATERIAL SAFETY DATA SHEET

SECTION 1

PRODUCT IDENTIFICATION

TRADE NAME (AS LABELED): **TECHNI GOLD 25 ADDITIVE ES**

CHEMICALS NAMES, COMMON NAMES:

PRODUCT CODE: 391430

MANUFACTURE'S NAME & ADDRESS:

PREPARED BY: **ALLAN H. REED**

TECHNIC INC.

DATE PREPARED: November 21, 2006

1 SPECTACLE STREET

CRANSTON, RI 02910

EMERGENCY PHONE: 401-781-6100

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>
Ethylenediamine	107-15-3	<5%	10ppm ACGIH TWA, OSHA PEL
Sodium arsenite	7784-46-5	0.1-1%	0.01 mg/m ³ (As) ACGIH TWA, OSHA PEL

SECTION 3

HAZARD IDENTIFICATION

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

- INHALATION:** May cause irritation to nose, throat and lungs. May cause respiratory sensitization in susceptible individuals.
- CONTACT WITH SKIN OR EYES:** Can cause mild to moderate skin burns depending on duration of exposure. Eye contact may result in conjunctivitis and corneal injury with possible permanent damage.
- ABSORBED THROUGH SKIN:** Prolonged contact may result in material being absorbed in harmful amounts. May also cause allergic reaction.
- SWALLOWED:** May cause severe burns of throat and mouth and gastrointestinal irritation. Large amounts may also cause nausea, vomiting, headache, dizziness, cramps and chills.

SUSPECTED CANCER AGENT? NO YES (IARC,NTP)

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

ACUTE: See symptoms of over-exposure above.

CHRONIC: Repeated excessive exposure may cause liver and kidney damage and central nervous system damage.

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): 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 CARBON DIOXIDE OTHER

FOAM DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES: Wear NIOSH/MSHA approved self contained breathing apparatus and protective gear if fully involved in a fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

SECTION 6**ACCIDENTAL RELEASE MEASURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear personal protective gear including skin and eye protection. Absorb spilled material with suitable absorbent and place in container for waste treatment or disposal. Do not allow this material or its rinsings to enter storm or sanitary sewers or other waterways.

SECTION 7**HANDLING AND STORAGE**

HANDLING AND STORAGE REQUIREMENTS: Store in a cool dry place. Keep container tightly closed except when transferring contents.

SECTION 8**EXPOSURE CONTROLS / PERSONAL PROTECTION**

VENTILATION: Local exhaust.

RESPIRATORY PROTECTION: Wear dust/mist respirator if ventilation is inadequate to meet exposure limits.

EYES PROTECTION: Safety glasses or goggles.

GLOVES: Rubber gloves.

OTHER CLOTHING AND EQUIPMENT: Rubber apron.

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

SECTION 9**PHYSICAL / CHEMICAL PROPERTIES**

VAPOR DENSITY (AIR =1): N.D. **SPECIFIC GRAVITY:** 0.99-1.01

VAPOR PRESSURE (MM Hg): N.D. **MELTING POINT (°F):** N.D.

EVAPORATION RATE (BUTYL ACETATE=1): N.D. **BOILING POINT (°F):** N.D.

SOLUBILITY IN WATER: Complete **pH:** 8-10

APPEARANCE AND ODOR: Colorless to pale yellow liquid with ammonia-like odor.

SECTION 10**STABILITY AND REACTIVITY**

STABILITY: X STABLE UNSTABLE

CONDITIONS TO AVOID: None.

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

HAZARDOUS DECOMPOSITION PRODUCTS (INCLUDING COMBUSTION PRODUCTS): Heating to dryness may release oxides of carbon and nitrogen and arsenic residues.

HAZARDOUS POLYMERIZATION: MAY OCCUR X WILL NOT OCCUR

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE EFFECTS: See section 3.
IRRITATION DATA: See section 3.
TOXICITY DATA: Oral LD50: 700-1460 mg/kg (rat, ethylenediamine)
 Oral LD50: 41 mg/kg (rat, sodium arsenite)
TARGET ORGAN DATA: See section 3.

SECTION 12 ECOLOGICAL INFORMATION

This material is toxic 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, N.O.S. (Ethylenediamine mixture)
Hazard Class: 8
Identification Number: UN1760
Packaging Group: III

SECTION 15 REGULATORY INFORMATION

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