



TECHNIC, INC.

MATERIAL SAFETY DATA SHEET

SECTION 1

PRODUCT IDENTIFICATION

TRADE NAME (AS LABELED): ELEVATE CU ELECTROLYTE 20

CHEMICALS NAMES, COMMON NAMES:

PRODUCT CODE: 405582

MANUFACTURER'S NAME & ADDRESS:

PREPARED BY: ALLAN H. REED

TECHNIC INC.

DATE PREPARED: April 8, 2010

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>
Copper sulfate	7758-99-8	8%	1.0 mg/m ³ (Cu) ACGIH TWA, OSHA PEL
Sulfuric acid	7664-93-9	25%	0.2 mg/m ³ ACGIH TWA, 1 mg/m ³ OSHA PEL

SECTION 3

HAZARD IDENTIFICATION

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

INHALATION: Irritating to the respiratory tract.

CONTACT WITH SKIN OR EYES: Causes irritation and burns to skin; severe burns to eyes.

ABSORBED THROUGH SKIN: Not readily absorbed through unbroken skin.

SWALLOWED: Will cause severe burns to mouth, throat, 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):** 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 self-contained breathing apparatus and full protective gear if fully involved in a fire.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None reported.**SECTION 6****ACCIDENTAL RELEASE MEASURES****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Contain spilled material and collect for disposal by absorption or other suitable means. Flush spill area with water. 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 excepts when transferring contents.

SECTION 8**EXPOSURE CONTROLS / PERSONAL PROTECTION**

VENTILATION: Local and general exhaust.

RESPIRATORY PROTECTION: Wear dust/mist respirator if ventilation is inadequate.

EYES PROTECTION: Chemical splash goggles or face shield.

GLOVES: Rubber gloves.

OTHER CLOTHING AND EQUIPMENT: Rubber apron and other protective gear to prevent skin contact.

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

SECTION 9**PHYSICAL / CHEMICAL PROPERTIES**

VAPOR DENSITY (AIR =1): N.D.

SPECIFIC GRAVITY: 1.05-1.10

VAPOR PRESSURE (MM Hg): N.D.

MELTING POINT (°F): N.D.

EVAPORATION RATE (BUTYL ACETATE=1): N.D.

BOILING POINT (°F): >212° F

SOLUBILITY IN WATER: Complete

pH: <1

APPEARANCE AND ODOR: Dark blue liquid; slightly sharp odor.

SECTION 10**STABILITY AND REACTIVITY**

STABILITY: STABLE UNSTABLE

CONDITIONS TO AVOID: None.

INCOMPATIBILITY (MATERIALS TO AVOID): Alkaline materials and strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS (INCLUDING COMBUSTION PRODUCTS): Oxides of sulfur.

HAZARDOUS POLYMERIZATION: MAY OCCUR WILL NOT OCCUR

SECTION 11**TOXICOLOGICAL INFORMATION**

ACUTE EFFECTS: See section 3.

IRRITATION DATA: See section 3.

TOXICITY DATA: Oral LD50: 2140 mg/kg (rat, sulfuric acid).
Oral LD50: 300 mg/kg (rat, copper sulfate).

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. (Metallic Sulfate, Sulfuric Acid Mixture)

Identification Number: UN1760

Hazard Class: 8

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 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**

H	
Health	3
F	
Flammability	0
R	
Reactivity	0
Personal Protection	C