SECTION 1

PRODUCT IDENTIFICATION

TRADE NAME (AS LABELED): NICKEL BROMIDE CONCENTRATE

CHEMICALS NAMES, COMMON NAMES:

PRODUCT CODE: N-1013

DATE PREPARED: October 11, 2005

MANUFACTURE'S NAME & ADDRESS: PREPARED BY: ALLAN H. REED

TECHNIC INC.

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>

Nickel bromide 13462-88-9 18% 0.1 mg/m³ (Ni) ACGIH TWA

1 mg/m³ (Ni) OSHA PEL

SECTION 3

HAZARD IDENTIFICATION

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

INHALATION: Vapor or mist may be slightly irritating to nasal and respiratory passages.

CONTACT WITH SKIN OR EYES: Will cause skin irritation (nickel itch); will cause irritation and

burns to eyes.

ABSORBED THROUGH SKIN: Not readily absorbed through unbroken skin.

SWALLOWED: Will cause irritation to membranes of mouth, throat, esophagus and stomach.

May cause gastric upset including nausea, vomiting and diarrhea.

SUSPECTED CANCER AGENT?	NO	X	YES	(IARC,NTP)

PRODUCT: NICKEL BROMIDE CONCENTRATE

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

ACUTE: Individuals sensitive to nickel may develop allergic dermatitis (nickel itch) and asthma, bronchitis or wheezing.

CHRONIC: Nickel compounds are reported carcinogens.

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, VOI	LUME, %: LOWER LIMIT <u>N.A.</u> UPPER LIMIT <u>N.A.</u>				
FIRE EXTINGUISHING MATERIALS: Use media appropriate for the surrounding fire.					
WATER	CARBON DIOXIDE OTHER				
FOAM	DRY CHEMICAL				
SPECIAL FIREFIGHTING PROCEDURES: Wear approved self-contained breathing apparatus and full protective gear.					
UNUSUAL FIRE AND EXPLOSION HAZARDS: May emit toxic fumes under fire conditions.					
SECTION 6	ACCIDENTAL RELEASE MEASURES				

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

Wear protective gear. Contain spilled material and collect by absorption or other suitable method for disposal. Do not allow this material to enter storm or sanitary sewers or other waterways.

CONDITIONS TO AVOID: None.

HAZARDOUS POLYMERIZATION:

corrosive and toxic.

SECTION 7 HANDLING AND STORAGE HANDLING AND STORAGE REQUIREMENTS: Store in a cool, dry place. Keep container tightly closed except when transferring material. **EXPOSURE CONTROLS / PERSONAL PROTECTION SECTION 8 VENTILATION:** Local exhaust. **RESPIRATORY PROTECTION:** Wear approved respirator when ventilation is inadequate to meet exposure limits. **EYES PROTECTION:** Chemical splash goggles. **GLOVES:** Rubber. OTHER CLOTHING AND EQUIPMENT: Rubber apron and long sleeves. WORK PRACTICES, HYGIENIC PRACTICES: Wash hands thoroughly after handling and before eating or smoking. PHYSICAL / CHEMICAL PROPERTIES **SECTION 9 VAPOR DENSITY (AIR =1):** N.D. SPECIFIC GRAVITY: 1.15-1.25 **MELTING POINT (°F): N.D.** VAPOR PRESSURE (MM Hg): N.D. **EVAPORATION RATE (BUTYL ACETATE=1): N.D.** BOILING POINT (°F): >212° F **SOLUBILITY IN WATER:** Complete 2-3 pH: APPEARANCE AND ODOR: Clear, green liquid; odorless. **SECTION 10** STABILITY AND REACTIVITY X STABLE STABILITY: **UNSTABLE**

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

HAZARDOUS DECOMPOSITION PRODUCTS (INCLUDING COMBUSTION PRODUCTS):

During fire conditions, material may decompose to form oxides of nickel and bromine gas that is

MAY OCCUR

X WILL NOT OCCUR

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE EFFECTS: See section 3.

IRRITATION DATA: See section 3.

TOXICITY DATA: None reported.

TARGET ORGAN DATA: See section 3.

SECTION 12 ECOLOGICAL INFORMATION

No specific data; however, this material should be considered as harmful 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

NOT DOT REGULATED.

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