MATERIAL SAFETY DATA SHEET

MANUFACTURER: TAYLOR TECHNOLOGIES, INC
31 LOVETON CIRCLE
SPARKS, MD  21152

TELEPHONE: 410-472-4340

1. PRODUCT IDENTIFICATION
   CATALOG NO.: R-0617
   PRODUCT NAME: Iodide Iodate N/63
   CHEMICAL FAMILY: Inorganic salt solution

2. INGREDIENTS
   INGREDIENT                  CAS NO.   %    NATURE OF HAZARD
   Potassium iodide            7681-11-0  <1    Irritant
   Potassium hydroxide         1310-58-3  <1    Irritant alkali
   Potassium iodate            7758-05-6  <1    Irritant
   Deionized water             7732-18-5  to 100  None

3. PHYSICAL/CHEMICAL CHARACTERISTICS
   STATE: Liquid
   APPEARANCE: Clear, colorless
   ODOR: None
   BOILING PT (°F): 212
   pH: 11.9
   SPECIFIC GRAVITY: 1.01
   VAPOR PRESSURE (mm Hg): 1.7
   VAPOR DENSITY (AIR=1): .6
   PERCENT VOLATILE BY VOLUME: 99
   SOLUBILITY IN WATER: Soluble

4. FIRE, EXPLOSION HAZARD AND REACTIVITY DATA
   FLASH PT: NA
   METHOD: NA
   FLAMMABLE LIMITS: LEL: NA
   UEL: NA
   EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, water spray or foam
   SPECIAL PROCEDURES: Wear self-contained (positive pressure if available)
   breathing apparatus and full-protective clothing
   FIRE/EXPLOSION HAZARDS AND HAZARDOUS DECOMPOSITION PRODUCTS: May release
   elemental iodine upon contact with acids and other chemicals. May emit toxic fumes of iodine, potassium oxide.
   NFPA CODE: Health: 0  Flammability: 0  Reactivity: 0
   SPECIFIC: NA
   CONDITIONS TO AVOID: Extreme heat, temperatures. Contact with acids.

5. HEALTH HAZARD DATA
   INGREDIENT: Potassium iodide
   TOXICITY: LD50(oral-mus): 1862 mg/kg
   PEL: NE
   STEL: NE

   TLV: NE

   INGREDIENT: Potassium iodate
   TOXICITY: LDLo(oral-mus): 531 mg/kg
   PEL: NE
   STEL: NE

   TLV: NE

   INGREDIENT: Potassium hydroxide
   TOXICITY: LD50(oral-rat): 365 mg/kg
   PEL: NE
   STEL: NE

   TLV: 2 mg/m3 (ceiling)
5. HEALTH HAZARD DATA - continued
ROUTE(S) OF ENTRY: Inhalation X Ingestion X Skin X
TARGET ORGAN(S): Eyes, skin
CARCINOGENICITY: NTP No IARC No OSHA No
HEALTH HAZARDS AND SYMPTOMS OF EXPOSURE:
EYES: Irritant
SKIN: Irritant
INGESTION: Irritant. May cause gastrointestinal irritation.
INHALATION: NA
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Eye and skin conditions

6. PRECAUTIONARY MEASURES
PROTECTIVE EQUIPMENT: General purpose gloves, safety glasses, lab coat
HANDLING: Avoid contact with eyes, skin, and clothing. Avoid breathing chemical. Wash thoroughly after handling.
STORAGE: Cool, dry area. Avoid direct sunlight.

7. EMERGENCY AND FIRST AID PROCEDURES
EYE AND SKIN CONTACT: Immediately flush eyes with water for 15 minutes. Call physician. Wash skin thoroughly with soap and water.
INGESTION: Give large amounts of water. Call physician. Induce vomiting under direction of physician.
INHALATION: NA

8. SPILL AND DISPOSAL PROCEDURES
SPILL OR RELEASE: Absorb with vermiculite or other inert material. Containerize for later disposal.
DISPOSAL: Incineration or other method to comply with all local, state, and federal regulations.

NA = Not applicable
ND = Not determined
NE = Not established

This Material Safety Data Sheet has been prepared in accordance with 29 CFR Part 1910.1200 and contains information believed to be accurate and complete at the date of preparation. However, no warranty is expressed or implied. Advice given under "Spill and Disposal Procedures" assumes compliance with federal, state, and local regulations regarding the disposal of hazardous waste.

DATE PREPARED: May 1998