MATERIAL SAFETY DATA SHEET

MANUFACTURER: TAYLOR TECHNOLOGIES, INC
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1. PRODUCT IDENTIFICATION
   CATALOG NO.: R-0725
   PRODUCT NAME: Acid Starch Indicator Powder
   CHEMICAL FAMILY: Inorganic acid/starch mixture

2. INGREDIENTS
   INGREDIENT       CAS NO.     %       NATURE OF HAZARD
   Sulfamic acid    5325-14-6  90       Corrosive acid
   Starch (Maltodextrin)  9050-36-6  10       Irritant

3. PHYSICAL/CHEMICAL CHARACTERISTICS
   STATE: Solid
   APPEARANCE: Off-white
   ODOR: None
   BOILING PT (F): NA
   pH: NA
   SPECIFIC GRAVITY: NA
   VAPOR PRESSURE (mm Hg): NA
   VAPOR DENSITY (AIR=1): NA
   PERCENT VOLATILE BY VOLUME: NA
   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 special protective clothing
   FIRE/EXPLOSION HAZARDS AND HAZARDOUS DECOMPOSITION PRODUCTS: May react
   violently with chlorine, fuming nitric acid. May emit toxic fumes of
   sulfur oxides, sulfuric acid, ammonia.
   NFPA CODE: Health: 5 Flammability: 0 Reactivity: 2 Specific: CORR
   CONDITIONS TO AVOID: Extreme heat, temperatures. Contact with strong
   alkali, metals.

5. HEALTH HAZARD DATA
   INGREDIENT: Sulfamic acid
   TOXICITY: LDI50 (oral-rat): 3160 mg/kg
   PEL: NE
   TLV: NE
   STEL: NE
   ROUTE(S) OF ENTRY: Inhalation X Ingestion X Skin X
   TARGET ORGAN(S): Eyes, skin, respiratory tract
   CARCINOGENICITY: NTP No IARC No OSHA No
   HEALTH HAZARDS AND SYMPTOMS OF EXPOSURE:
   EYES: Corrosive. Contact causes burns.
   SKIN: Corrosive. Contact causes burns.
   INGESTION: Corrosive. Causes burns of mouth, esophagus, stomach.
   INHALATION: Corrosive. Causes burns of mucous membranes, upper respiratory
   tract.
   MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Eye, skin, and respiratory
   conditions
6. PRECAUTIONARY MEASURES

PROTECTIVE EQUIPMENT: Rubber gloves, safety glasses, lab coat, rubber apron, dust mask, face shield

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 baking soda, soap and water.

INGESTION: Give large amounts of water or large amounts of water with milk of magnesia. Call physician. DO NOT INDUCE VOMITING.

INHALATION: Remove to fresh air. Call physician.

3. SPILL AND DISPOSAL PROCEDURES

SPILL OR RELEASE: Neutralize with soda ash solution. 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 art 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 1995