

## MATERIAL SAFETY DATA SHEET

MANUFACTURER: TAYLOR TECHNOLOGIES, INC  
 31 LOVETON CIRCLE  
 SPARKS, MD 21152  
 TELEPHONE: 410-472-4340

## 1. PRODUCT IDENTIFICATION

CATALOG NO.: R-0627S-50  
 PRODUCT NAME: Sulfuric Acid N/50  
 CHEMICAL FAMILY: Inorganic acid solution

## 2. INGREDIENTS

INGREDIENT	CAS NO.	%	NATURE OF HAZARD
Nonhazardous ingredients	NA	<1	None
Deionized water	7732-18-5	to 100	None

## 3. PHYSICAL/CHEMICAL CHARACTERISTICS

STATE: Liquid APPEARANCE: Clear, colorless ODOR: None  
 BOILING PT (F): 212 pH: 2 SPECIFIC GRAVITY: 1  
 VAPOR PRESSURE (mm Hg): 17 VAPOR DENSITY (AIR=1): .6  
 PERCENT VOLATILE BY VOLUME: 100 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  
 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 water. May react with metals to produce hydrogen gas. May ignite combustible materials. May emit toxic fumes of sulfur oxides.  
 NFPA CODE: Health: 0 Flammability: 0 Reactivity: 0 Specific: NA  
 CONDITIONS TO AVOID: Extreme heat, temperatures. Contact with strong alkali, metals.

## 5. HEALTH HAZARD DATA

INGREDIENT: NA  
 TOXICITY: NA  
 PEL: NA TLV: NA  
 STEL: NA

ROUTE(S) OF ENTRY: Inhalation Ingestion X Skin X  
 TARGET ORGAN(S): Eyes, skin  
 CARCINOGENICITY: NTP No IARC No OSHA No  
 HEALTH HAZARDS AND SYMPTOMS OF EXPOSURE:  
 EYES: Contact may cause irritation.  
 SKIN: Contact may cause irritation.  
 INGESTION: Large quantities 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 20 minutes or  
until chemical is removed. Call physician. Wash skin thoroughly with  
soap and water.

INGESTION: Give large amounts of water. Call physician. Treat symptoms  
as needed. DO NOT give anything by mouth to a person who is unconscious,  
rapidly losing consciousness, or convulsing.

INHALATION: NA

## 8. SPILL AND DISPOSAL PROCEDURES

SPILL OR RELEASE: Neutralize with soda ash. 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: November 2005