

# MATERIAL SAFETY DATA SHEET

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**PRODUCTS:** SERAPREP™

**Cat. No.** SP100

## Section I – General

CAS #: [5965-83-3]  
FORMULA: C<sub>7</sub>H<sub>6</sub>SO<sub>6</sub>  
CHEMICAL NAME: Sulfosalicylic acid, 5% wt/v  
SYNONYMS: 3-Carboxy-4-hydrobenzenesulfonic acid; 2-hydroxybenzoic acid-5-sulfonic acid; 5-sulfosalicylic acid  
CHEMICAL FAMILY: Sulfonic acid

## Section II – Hazardous Ingredients

- 1: Sulfosalicylic acid, 5% wt/v, as a preservative and other non-hazardous salts in water.

## Section III – Physical Data

MELTING POINT: 0°C (approx)  
BOILING POINT: 100°C (approx)  
VAPOR PRESSURE: < 17 mm Hg @ 20°C  
APPEARANCE: Clear, colorless liquid with a characteristic odor of cough drop.  
SOLUBILITY: Aqueous solution

## Section IV – Toxicity Data

RTECS #: VO6500000  
RTECS NAME: Sulfosalicylic acid  
TOXICITY: Toxicity data are for crystalline sulfosalicylic acid (99+%). SERAPREP is 5% wt/v sulfosalicylic acid. Oral-rat LD<sub>50</sub>: 2450 mg/kg; carcinogen status: none.  
REVIEWS: Only selected Registry of Toxic Effects of Chemical Substances (RTECS) data for crystalline sulfosalicylic acid (99+%) are presented here. Refer to actual entry in RTECS for complete information.

## Section V – Health Hazards and First Aid

ACUTE EFFECTS: Low concentrations may cause severe mucous membrane irritation, coughing, dyspnea, headache, and weakness. Higher concentrations or more prolonged exposures may cause delayed pulmonary edema, tightness in the chest, and hypotension.  
CHRONIC EFFECTS: Repeated exposures may cause dental erosion, jaw necrosis, nasal ulceration, bronchial irritation, chronic cough, and gastrointestinal disturbances.

- EYE CONTACT:** Immediately flush with plenty of water for at least 15 minutes; assure adequate flushing by separating eyelids with fingers. Call a physician.
- SKIN CONTACT:** Immediately wash with copious amounts of water and soap. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. Call a physician.
- INHALATION:** Not applicable.
- INGESTION:** Wash out mouth with water insuring rinse is not swallowed. Drink 2 glasses of water to dilute and induce vomiting by touching finger to back of victim's throat. Call a physician.

### **Section VI – Fire and Explosion Hazards**

- FLASHPOINT:** Not applicable
- EXTINGUISHING MEDIA:** Water spray; dry chemical; carbon dioxide; alcohol or polymer foam.
- FIREFIGHTING PROCEDURE:** Wear self-contained breathing apparatus and protective clothing to protect contact with skin and eyes.
- UNUSUAL HAZARDS:** Emits toxic fumes (see below) under fire conditions.
- EXPLOSIVE PROPERTIES:** Non-explosive

### **Section VII – Reactivity**

- GENERAL:** Stable
- INCOMPATIBILITIES:** Primary and secondary amines will cause non-hazardous contamination of SERAPREP.
- HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:** Will not occur.

### **Section VIII – Spill or Leak Procedures**

- SPILL PROCEDURE:** Wear safety goggles and gloves. Soak up spill with rags, paper towels, sponge. Rinse away or discard. Wash spill-site with soap and water.
- WASTE DISPOSAL:** This product may be mixed or dissolved in a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local regulations.

### **Section IX – Precautions for Handling and Storage**

- SAFETY EQUIPMENT:** Chemical safety goggles, laboratory coat, rubber / latex / vinyl gloves, safety-shower with eye-wash.
- HANDLING PROCEDURES:** Avoid eye and skin contact and inhalation. Do not ingest. Wear safety glasses and gloves. Wash thoroughly after handling.
- STORAGE PROCEDURES:** Keep tightly closed. Store in cool place.

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