



**III. HEALTH INFORMATION****PHYSIOLOGICAL & HEALTH EFFECTS****Routes of Entry:**

- Eyes:** Direct contact with material can cause the following:  
severe irritation  
Repeated contact at high concentrations can cause the following:  
corneal burns, possible blindness
- Skin:** Contact with skin will cause damage.
- Inhalation:** Inhalation of vapor or mist can cause:  
irritation of nose, throat, and lungs – tissue and teeth damage
- Ingestion:** Material is harmful if swallowed.  
Material can cause the following:  
gastrointestinal irritation – tissue damage  
Material in large doses can cause the following:  
abdominal pain – central nervous system depression – diarrhea –  
depression - death
- Toxicity:** LD50 in rats 2140 mg/kg (based on 93-98% H<sub>2</sub>SO<sub>4</sub>)

**EMERGENCY & FIRST AID PROCEDURES**

- Eyes:** IMMEDIATELY flush eyes with a large amount of water for at least 15 minutes. Get prompt medical attention.
- Skin:** Remove contaminated clothing. Wash skin thoroughly with soap and water. Get prompt medical attention. Wash contaminated clothing thoroughly before reuse.
- Inhalation:** Move subject to fresh air. If breathing is difficult, give oxygen. Give artificial respiration if breathing has stopped. Call a physician.
- Ingestion:** Induce vomiting by giving 2 glasses of water to drink and touching back of subject's throat with finger. IMMEDIATELY see a physician. Never give anything by mouth to an unconscious person.

**IV. REACTIVITY DATA**

- Stability:** This material is considered stable.
- Conditions To Avoid:** Avoid exposure to excessive heat.
- Incompatibility:** Avoid contact with the following: acids – alkaline substances  
May be corrosive to stainless steel.

**Hazardous Decomposition**

- Products:** Thermal decomposition may yield the following:  
sulfur dioxide – toxic fumes



**VIII. TRANSPORTATION REQUIREMENTS**

**DOT Proper Shipping Name:** Corrosive Liquid, Acidic, Inorganic, n.o.s  
(Contains Aluminum Sulfate/Sulfuric Acid solution)

**DOT Classification:** 8

**UN/NA Identification:**  
**Number:** UN3264

**Packing Group:** II

**Other Labels:** Corrosive Label

**IX. SPILL AND LEAK PROCEDURES**

**Precaution if Spilled or Released:** Contain spills immediately with inert material (i.e. sand, earth). Evacuate and ventilate spill area. Avoid all contact. Transfer liquid and solid diking material to separate suitable containers for recovery or disposal. CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Neutralizing Chemicals:** May be neutralized with sodium hydroxide, lime or soda ash to neutral pH.

**Waste Disposal Methods:** For disposal, incinerate or landfill at a permitted facility in accordance with local, state, and federal regulations (see CFR Part 268).

**Reportable Quantities:** 5,000 lbs (2270 Kg)

**X. NSF CERTIFICATION**

Activated Alum manufactured at Baton Rouge, LA; Chickasaw, AL; Lake Charles, LA; Pasadena, TX and West Point, MS are NSF-60 Certified. Maximum use in potable water is 150 mg/l.

**SALES OFFICE**

For Product Information:  
TEL: 662-494-3055  
FAX: 662-494-2828

Post Office Drawer 1217  
West Point, MS 39773

To Place An Order:  
TEL: 800-953-3585  
FAX: 800-953-3588

**IMPORTANT**

The information on this Material Safety Data Sheet is believed to be accurate but is not warranted to be so. Protective equipment, health effects, and other related safety measures are based on intended and anticipated product use. Recipients are advised to confirm in advance of need that the information is applicable and suitable to their circumstances.