# RICCA CHEMICAL COMPANY
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# MATERIAL SAFETY DATA SHEET
(for compliance with 29CFR 1910.1200,
OSHA Hazard Communication Standard)

## PRODUCT IDENTITY

SULFURIC ACID, 5% Thru 87% (v/v) and
0.25 Thru 10 Normal

### RICCA CHEMICAL COMPANY CATALOG NUMBER(S)

* 8149 Thru 8191 and
  8270 Thru 8340

3325-16, -32
3330-16, -32

| Date Prepared/Revised | 4-1-87 | Information furnished applies to all sizes. N/A = Not Applicable   N/D = Not Determined |
|---|---|---|

## HAZARDOUS INGREDIENTS/IDENTITY INFORMATION     SECTION I

| Hazardous Components (CAS No.) | Concentration In Product | OSHA PEL | ACGIH TLV |
|---|---|---|---|
| Sulfuric Acid (7664-93-9) | 7 ml.–900 ml./l. | $1mg/M^3$ | $1mg/M^3$ |

Remainder of composition is either water or other non-hazardous substance(s) and/or hazardous ingredient(s) below reportable hazardous level(s).

## PHYSICAL AND CHEMICAL DATA     SECTION II

Melting Point, °C., approx.   N/A
Specific Gravity, approx.   1.06–1.80
Description:   Clear, Colorless, Odorless Liquid

Boiling Point, °C., approx.   100–150
Solubility in Water   Infinite

## FIRE AND EXPLOSION HAZARD DATA     SECTION III

Flash Point, °C., approx.   N/A

**Extinguishing Media**
N/A

**Special Fire Fighting Procedures**
N/A

**Unusual Fire and/or Explosion Hazards**
N/A

## REACTIVITY DATA     SECTION IV

**Conditions and/or Materials to Avoid** Stable under normal conditions of use and storage.

Avoid: Organics, Chlorates, Carbides, Fulminates, Picrates, Metals.

**Hazardous Decomposition or Byproducts** Hazardous polymerization will not occur.

## HEALTH HAZARD DATA SECTION V

| Route(s) of Entry: | Inhalation Yes | Skin Yes | Ingestion Yes |
|---|---|---|---|
| Carcinogenicity: | NTP No | IARC Monographs No | OSHA Regulated No |

### Health Hazards

Sulfuric Acid Solutions are corrosive.
Target Organs are: Respiratory system, eyes, skin, teeth.

### Signs and Symptoms of Exposure

Irritation of eyes, nose, throat. Pulmonary Edema, Bronchial Emphysema,
Dental erosion. Burns of skin and eyes.

### Medical Conditions Generally Aggravated by Exposure

Chronic Respiratory Disease. Pre-existing Eye Problems. Pre-existing Skin Disorders.

### Emergency and First Aid Procedures   In all cases seek qualified evaluation.

EYE CONTACT: Irrigate immediately with large quantities of running water.
SKIN CONTACT: Water flush immediately. Remove any contaminated clothing.
INHALATION: Remove to fresh air. Give artificial respiration if necessary.
INGESTION: Dilute immediately with water or milk. Do Not Induce Vomiting. Get Medical
Help.

## PRECAUTIONS FOR SAFE HANDLING AND USE   SECTION VI

### Steps to Be Taken in Case Material is Released or Spilled

Cover the contaminated surface with Sodium Bicarbonate or a soda ash-slaked lime mixture
(50-50). Mix and add water if necessary to form slurry. Scoop up slurry and wash down
with excess of water. Wash site with soda ash solution.

### Waste Disposal Method

Add slowly to agitated solution of soda ash and slaked lime. Flush neutralized
solution to drain with excess of water.

### Precautions to Be Taken in Handling and Storing

Store away from incompatible materials.

## CONTROL MEASURES   SECTION VII

Ventilation/Respiratory Protection:  Normal room ventilation is adequate.

Eye Protection: Safety glasses with side shields, or goggles.

Protective Gloves:     Rubber

Other Protective Clothing or Equipment: Lab Coat or Lab Apron.

### Work/Hygienic Practices   Wash hands after handling this or any other chemical before
eating, drinking or smoking.