

SECTION 1 · COMPANY AND PRODUCT IDENTIFICATION

Manufacturer: Chemical Resources, Inc. 4569 Knopp Avenue Louisville, Kentucky 40213	Emergency Phone CHEMTREC: (800) 424-9300 General Information: (502) 367-2228 FAX Information: (502) 367-6661
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SECTION 2 · HAZARDS IDENTIFICATION

GHS Classification:		
[Health]	[Environmental]	[Physical]
Skin irritation Category 2	Acute aquatic toxicity Category 3	None
Eye irritation Category 2A	Chronic aquatic toxicity Category 3	
Acute oral toxicity Category 4		

GHS Label elements, including precautionary statements

Pictograms



Signal Word: Warning

Hazard statement(s)

H302 Harmful if swallowed
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

P264 Wash skin thoroughly after handling.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/ eye protection/ face protection.
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P332 + P313 If skin irritation occurs: Get medical advice/ attention.
 P337 + P313 If eye irritation persists: Get medical advice/ attention.
 P362 Take off contaminated clothing and wash before reuse.
 P501 Dispose of contents and or container in a licensed disposal facility.

SECTION 3 · COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	%WT
Sulfamic Acid	5329-14-6	≥ 99.8

SECTION 4 · FIRST AID MEASURES

FIRST AID PROCEDURES:

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin Contact: Wash off with soap and plenty of water. Get medical attention immediately.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Get medical attention immediately.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention immediately.

SECTION 5 · FIRE FIGHTING MEASURES

Suitable Extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Hazardous combustion products: Oxides of nitrogen and sulfur.

Fire Fighting Procedures: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Unusual Fire and Explosion Hazards: No unusual condition information or data available.

SECTION 6 · ACCIDENTAL RELEASE and DISPOSAL MEASURES

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for proper disposal.

SECTION 7 · STORAGE AND HANDLING

Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed.

Storage: Keep container tightly closed in a dry and well-ventilated place.

SECTION 8 · EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Use explosion-proof ventilation equipment. Provide ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below. The level of protection and types of controls will vary depending upon potential exposure conditions.

Exposure Limits: Sulfamic Acid No ACGIH or OSHA published data

Personal Protective Equipment (PPE):

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

Skin: If prolonged or repeated skin contact is likely, wear appropriate protective gloves.

Clothing: Selection of protective clothing depends on work conditions, potential exposure conditions and may include gloves, boots, suits and other protective items.

Respirators: Where adequate ventilation is not available an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard, 29 CFR 1920.134. In confined areas, use a self-contained breathing apparatus.



Safety Data Sheet

Material Identity: SULFAMIC ACID

SECTION 9 · PHYSICAL AND CHEMICAL PROPERTIES

Flash Point: No available Data	Flammability Limits: No available Data
Decomposition Temperature: 408 °F	Specific Gravity: 2.15
Boiling Point: No available Data	Volatile %: Nil
Melting Point/Freezing Point: 401 °F	Evaporation Rate (Water=1): No available Data
Vapor Pressure: <1 mmHg	pH: <1.5
Vapor Density (Air-1): N/A	Solubility in Water: 181 g/l
Odor/Appearance: White solid with no odor.	

SECTION 10 · STABILITY AND REACTIVITY

Chemical Stability: Stable under normal use and temperature conditions.
Conditions to Avoid: Keep away from heat, flame and other potential ignition sources.
Incompatible Materials: Strong oxidizing agents and Strong bases
Hazardous Polymerization: Will not occur.

SECTION 11 · TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure:

Skin: Contact can cause redness and irritation. Severity depends on the amount and duration of exposure.
Eyes: Dust and aerosols are irritating to the eyes. Contact will cause stinging and tearing.
Inhalation: Excessive inhalation of high concentrations may be harmful. Dust and aerosols can irritate the throat and lungs.
Ingestion: If swallowed this material may irritate the mucous membranes of the mouth throat and esophagus. Aspiration of this material into the lungs may result in damage or death.

Acute oral toxicity:

Sulfamic Acid: LD50 rat: 3,160 mg/kg

Acute inhalation toxicity:

Sulfamic Acid: LD50 rat: No available Data

Acute dermal toxicity:

Sulfamic Acid: LD50 rabbit: No available Data

SECTION 12 · ECOLOGICAL INFORMATION

Aquatic Toxicity: Toxicity to fish static test LC50 - Pimephales promelas (fathead minnow) - 70.3 mg/l - 96 h (OECD Test Guideline 203)

Bio-accumulative potential: This product is not readily biodegradable.

Mobility: No available Data

SECTION 13 · DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

