



Section 1 - Identification

Product Name: Sulfamic Acid
Alternate Name: (internal# CPL5101)
Recommended Use: Descaling
Manufacturer: Chem Pro Laboratory, Inc., 941 W 190th St, Gardena CA 90248, 310-532-8611
ChemTrec: 800-424-9300 (Transportation Spill Response 24 hours)

Section 2 - Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

DANGER



Causes severe skin burns and serious eye damage

Do not breathe dusts or mists.

Wash contacted areas thoroughly after handling.

Wear eye and face protection, and protective gloves and clothing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash skin with plenty of water. Wash contaminated clothing before reuse.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Store locked up.

Dispose of contents/container in accordance with federal, state, and local regulations.

Section 3 - Composition/information on ingredients

Chemical Name	CAS Number	Percent
sulfamic acid	5329-14-6	90-100%

Section 4 - First-aid measures

Emergency and First Aid Procedures:

Inhalation	On over-exposure, remove to fresh air; get medical attention.
Eye Contact	Flush with large quantities of water for at least 15 minutes, lifting upper and lower eye lids occasionally; continue flushing while waiting for medical assistance.
Skin Contact	Flush thoroughly with water; wash with soap/water while removing all contaminated clothing and shoes; get immediate medical attention.
Ingestion	Do not induce vomiting; dilute by giving milk or water if conscious; get medical attention immediately.

Symptoms of Overexposure:



Inhalation	Not normal route of entry. Product dust could cause breathing difficulties, dizziness or light-headedness.
Contact with Skin or Eyes	Possible skin burns and corneal damage.
Absorption Through Skin	Can burn skin, not absorbed.
Ingestion	Burning, MLD of sulfamic acid for rats 1.6 g/kg.

Section 5 - Fire-fighting measures

Extinguishing Media	water spray, carbon dioxide, dry chemical, or appropriate foam
Fire Fighting Procedure	None
Unusual Fire/Explosion Hazard	None
Hazardous Combustion Products	Substance is noncombustible

Section 6 - Accidental release measures

Spill Response Procedure	Pick up as much as possible with shovel or other tool. Then neutralize balance of spill with alkaline solution and wash down with water.
---------------------------------	--

Section 7 - Handling and storage

Handling Precautions	No special handling procedures are required.
Storage Conditions	Store in a cool dry place. Keep container tightly sealed in a dry and ventilated area. Do not store unopened containers in direct sunlight for extended periods.

Section 8 - Exposure controls/personal protection

Chemical Name	OSHA PEL	ACGIH TLV
sulfamic acid	15 mg/m3 TWA	not listed
Ventilation	Local and mechanical (general) exhaust required.	
Respiratory Protection	Not required unless dusting is noted. Then use NIOSH approved respirator for acids.	
Protective Gloves	Rubber or impermeable gloves.	
Eye Protection	Safety goggles.	
Other Protective Equipment	Impermeable aprons are advised.	
Work / Hygienic Practices	Handle in accordance with good industrial hygiene and safety practices.	

Section 9 - Physical and chemical properties

Appearance	Bluish purple and white crystals.	Vapor Pressure @20°C	Negligable
Odor	Odorless	Vapor Density	N/A
Odor Threshold	Not Determined	Specific Gravity	N/A
pH	1-3 (1% solution)	Solubility in Water	20%
Melting Point, °F	Decomposes above 400 deg F	Partition Coefficient	Not Determined
Boiling Point, °F	N/A	Auto Ignition Temp, °F	Non Flammable
Flash Point, °F	Not Flammable	Decomposition Temp, °F	Not Determined
Evaporation Rate	N/A	Viscosity	Not Determined
Flammability Limits	N/A	Percent Volatile	



Section 10 - Stability and reactivity

Reactivity	not reactive in water
Stability	stable under normal conditions
Conditions to Avoid	Can react with alkali, chlorine release compounds, metal oxides & active metals.
Incompatible Materials	Strong oxidizers. Strong Alkali.
Hazardous Decomposition Products	Can produce SO _x , NO _x and ammonia.
Hazardous Polymerization	Hazardous polymerization will not occur.

Section 11 - Toxicological information

Routes of Entry	inhalation, skin or eye contact, ingestion
Acute Exposure Symptoms	Can cause eye burns & irritation to nose, throat & skin.
Chronic Exposure Effects	Not determined.
Medical Conditions Aggravated By Exposure	Not determined.

Acute Toxicity:

Chemical Name	CAS Number	Oral LD50	Dermal LD50	Inhalation LC50
sulfamic acid	5329-14-6	3160 mg/kg	no data	no data

Carcinogenicity:

Ingredients are on the following lists of suspected or known carcinogens:

Chemical Name	CAS Number:	IARC	NTP	OSHA
sulfamic acid	5329-14-6	No	No	No

Section 12 - Ecological information

Overview: No data

Section 13 - Disposal considerations

Preparing Waste For Disposal Dispose in accordance with Federal, State and local regulations. After neutralizing, waste should be acceptable for flushing to sanitary sewer.

Section 14 - Transport information

DOT Shipping UN2967, SULFAMIC ACID, 8, PG III

Section 15 - Regulatory information

California Proposition 65 This product does not contain chemicals listed by California proposition 65.
HMIS Ratings Health: 2, Flammability: 0, Reactivity: 0

Section 16 - Other information

Date Prepared 6/20/2017 (revised)
Preparer Keith Johnson, Michael Bortnik



CHEM PRO LAB INC

WATER TREATMENT SPECIALISTS
CHEMICAL ENGINEERS

SAFETY DATA SHEET

Sulfamic Acid

The data in this Safety Data Sheet is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control, Chem Pro Laboratory, Inc. **MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON.** User should have relative technical skills and satisfy himself that he has all current data relevant to his particular product and its applications.