

SAFETY DATA SHEET

Sulfamic Acid Cleaner

SDS Preparation Date (mm/dd/yyyy): 11/26/2013

This SDS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

SECTION 1: PRODUCT AND COMPANY SECTIONS

PRODUCT NAME: Sulfamic Acid Cleaner
PRODUCT USE: Cleaner
ISSUER AND MANUFACTURER: Proflex
1603 Grove Ave
Haines City, FL 33844
Tel.: 877-577-6353

SECTION 2: HAZARD IDENTIFICATION



NFPA 704 CODES: 0=Minimal, 1=Slight, 2=Moderate, 3=Serious and 4=Severe

	Health (blue)	Flammability (red)	Reactivity (yellow)	Clothing
NFPA	3	0	1	J
HMIS	3	0	1	J

Emergency Overview:

Danger - Corrosive Material- Causes Burns

Likely Route of Exposure:

Eye: May cause burns. Seek medical attention.

Skin: May cause burns. Seek medical attention.

Inhalation: May cause irritation to upper respiratory tract. Seek medical attention.

Ingestion: May be harmful if swallowed. Do not take internally. Seek medical attention.

Chronic Effects: May dry skin and cause irritation.

Signs & Symptoms: Eye discomfort or pain, excessive blinking and tear production with marked redness and swelling. Skin redness, edema, drying or cracking.

Stomach distress, nausea or vomiting. Burns to mouth, throat, esophagus and stomach.

Other Effects: May aggravate preexisting skin, eye and respiratory conditions.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS #	% BY WGT*
SULFAMIC ACID	5329-14-6	<99%

* THE CONCENTRATIONS SHOWN WITH THIS PRODUCT ARE MAXIMUM LEVELS (WGT %) TO BE USED FOR REGULATORY CALCULATIONS.

SECTION 4: FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. If irritation or adverse symptoms occur, seek immediate medical attention.

SKIN CONTACT: Immediately flush skin with water for at least 15 minutes. Wash with plenty of soap and water including hair and under fingernails. Remove contaminated clothing and wash before re-use. Do not apply any medicating agents except on the advice from a physician. Seek immediate medical attention.

INHALATION: Remove to fresh air. If breathing is difficult, seek medical attention. If not breathing, utilize artificial respiration, preferable by mechanical means attention.

INGESTION: Do not induce vomiting unless directed by a physician. Drink large quantities of water. Immediately seek medical attention.

GENERAL ADVICE: If adverse symptoms persist or in all cases of doubt, seek medical attention. Symptoms may not appear immediately.

SECTION 5: FIREFIGHTING MEASURES

FLAMMABILITY: Not flammable by OSHA/WHMIS criteria. Does not support combustion.

MEANS OF EXTINCTION: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

PRODUCT OF: May include, but not limited to oxides of

COMBUSTION: and oxides of sulfur.
EXPLOSION DATA: Not considered an explosive hazard.
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FIREFIGHTING DATA: Keep upwind of fire. Wear self-contained breathing apparatus and full protective clothing. Heated closed containers may burst due to steam pressure. Cool with water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL: Keep out of drains, sewers, ditches and waterways.
CONTAINMENT: Use inert material to dike/absorb. Neutralize the spill area with an alkaline detergent solution
CLEAN-UP: Transfer material to suitable containers for disposal.
OTHER: Contact CHEMTREC 800-424-9300.

SECTION 7: HANDLING AND STORAGE

HANDLING: No special handling is required under normal use. Appropriate protective clothing necessary to prevent repeated or prolonged skin contact should be worn. Skin contact should be minimized by wearing impermeable gloves. Resistant boots should be worn where spills or splashing can occur. Wash hands and other contaminated areas thoroughly with soap and water after handling this product and before eating or smoking. Wash contaminated clothing thoroughly before re-use.
STORAGE: Keep out of reach of Children. Store in original container only and close after each use. Temperature should be between 40° F and 100° F (4°C and 38°C). Shelf-life expected to be at least 1 year.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

EXPOSURE LIMITS: OSHA-PEL: Not Available
ACGIH-TLV: Not Available
ENGINEERING: Use ventilation adequate to keep exposures below recommended exposure limits.
EYE PROTECTION: Wear eye/face protection.
HAND PROTECTION: Wear suitable gloves.
SKIN PROTECTION: Wear suitable protective clothing.
RESPIRATORY: If insufficient ventilation, wear respiratory equipment.
GENERAL HYGIENE: Handle according to established industrial hygiene and safety practices.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Crystals
COLOR: White
ODOR: Slight Acrid
PHYSICAL STATE: Solid
PH (TYPICAL): 1.0
VISCOSITY: Not Determined
FREEZING POINT: Not Determined
BOILING POINT: Not Determined
FLASH POINT: Not Determined
EVAPORATION RATE: Not Determined
VAPOR PRESSURE: Not Determined
DENSITY: Not Determined
SPECIFIC GRAVITY (H2O)=1: Not Determined
SOLUBILITY IN WATER, BY WEIGHT: 100 %
PERCENT VOLATILE BY WEIGHT: Not Determined
PERCENT VOLATILE BY VOLUME: Not Determined
VOC CONTENT BY WEIGHT: Not Determined

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.
CONDITIONS TO AVOID: Avoid temps. <40° F and > 100°F.
INCOMPATIBLE MATERIALS: May react to bases.
HAZARDOUS DECOMPOSITION: May include, but not limited to
PRODUCTS: oxides of ammonia and oxides of sulfur.
POSSIBILITY OF HAZARDOUS: No dangerous reactions known
REACTIONS: under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

EYE: Minimize eye contact. Symptoms may include burns, discomfort or pain, excessive blinking and tear production with marked redness and swelling. Seek medical attention.
SKIN: Minimize skin contact. Symptoms may include burns, redness, edema, drying or cracking. Seek medical attention.
INGESTION: May be harmful if swallowed. Do not take internally. Symptoms may include burns, stomach distress, nausea or vomiting. Seek medical attention.
INHALATION: May be an upper respiratory irritant. Avoid breathing vapor or mist. Seek medical attention.
HAZARD CATEGORIES: None of the product's ingredients are found on any lists of hazardous, carcinogenic or banned chemical agents or materials generated by them.

SECTION 12: ECOLOGICAL INFORMATION

May cause long-term adverse effects in the aquatic environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal should be in accordance with all local, state and federal regulations.

SECTION 14: TRANSPORTATION INFORMATION

DOT SHIPPING NAME (49CFR 172.101): Sulfamic Acid
DOT HAZARD CLASS: Class 8: Corrosive solid

MARKING:	Corrosive
LABEL:	Corrosive
PLACARD:	Corrosive limited quantities
HAZARD (29 CFR 1910.1200):	Non-Flammable
INT'L HARMONIC SYSTEM CODE:	n/a
UN NUMBER	2967

SECTION 15: REGULATORY INFORMATION

FEDERAL

OSHA: This product is hazardous under the OSHA Hazard Communication Standard (29 CFR 1910-1200).
TSCA: The ingredients in this product are on the TSCA inventory list and do not have special toxic warning requirements.
SARA TITLE III: Contains no chemical subject to SARA Title III

STATE RIGHT-TO-KNOW

CA PROP. 65: This product contains no listed substances at levels that would require a warning as a product known to cause cancer, birth defects or other reproductive harm.

SECTION 16: OTHER INFORMATION

The information is believed to correct to the best of our knowledge, information, and belief at the date of publication. The information is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information applies only to this specific material as supplied and may not be valid for such material used in combination with any other materials or in any processes.