SAFETY DATA SHEET
Stainless Steel Polish - 3330

Product Name: Stainless Steel Polish
Date: 6/9/2015

SECTION 1 *IDENTIFICATION*

Supplier: Phoenix Products Company
55 Container Drive
Terryville, CT 06786
(860) 589-7502

Distributor:

U.S. PERS Emergency Telephone: 1-800-633-8253
Product Name: **Stainless Steel Polish**
Synonyms: Amidosulfonic acid
Chemical Name: Sulfamic Acid
Chemical Formula: H_3NO_3S
CAS Number: 5329-14-6
Product Use: Restores shine on rusted stainless steel fixtures in and around the pool.

SECTION 2 *HAZARDS IDENTIFICATION*

Emergency Overview

OSHA Regulatory Status: This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122). Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

Potential Health Effects

Eyes: Causes eye irritation. Concentrated solutions may produce corrosive effects.

Skin: Causes skin irritation. Concentrated solutions may produce corrosive effects.

Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Inhalation: May cause respiratory tract irritation.

Chronic Effects: Chronic inhalation and ingestion may cause effects similar to those of acute inhalation and ingestion. Effects may be delayed.

SECTION 3 *COMPOSITION, INFORMATION ON INGREDIENTS*

Component	CAS Number	Percent
Sulfamic Acid	5329-14-6	<10%

SECTION 4 *FIRST-AID MEASURES*

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Skin Contact: Wash off with soap and plenty of water. Consult a physician.

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult

a physician.

SECTION 5 *FIRE FIGHTING MEASURES*

Extinguishing Media

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

Special hazards arising from the substance or mixture: nitrogen oxides (NOx), Sulphur oxides

Advice for Firefighters: Wear self-contained breathing apparatus for fire fighting if necessary. Wear protective eyewear, gloves, and clothing.

Additional Information (precautions): Avoid generating dust. Avoid breathing vapors, dust, mist, or gas. Further processing of solid materials may result in the formation of combustible dusts.

SECTION 6 *ACCIDENTAL RELEASE MEASURES*

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

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

Methods and materials for containment and cleaning up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7 *HANDLING AND STORAGE*

Precautions for Safe 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.

Conditions for safe storage, including any incompatibilities: Store product and empty container away from heat and sources of ignition. Keep container tightly closed in a cool, dry, and well-ventilated area. Store in inert atmosphere.

SECTION 8 *EXPOSURE CONTROLS/PERSONAL PROTECTION*

Control Parameters

Components with workplace control parameters: Contains no substances with occupational exposure limit values.

Exposure Controls

Appropriate Engineering Controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

SECTION 8 *EXPOSURE CONTROLS/PERSONAL PROTECTION - Continued*

Personal Protective Equipment

Eye/Face Protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection: Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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

SECTION 9 *PHYSICAL AND CHEMICAL PROPERTIES*

Appearance:	Clear yellow liquid
Odor:	Faint odor
Odor Threshold:	No data available
pH:	1.5 at 10 g/l at 20 °C (68 °F) e)
Melting Point/Freezing Point:	Melting point/range: 215 - 225 °C (419 - 437 °F) - dec.
Initial Boiling Point and Boiling Range:	No data available
Flash Point:	No data available
Evaporation Rate:	<1
Flammability (solid, gas):	No data available
Upper/Lower Flammability:	No data available
Vapor Pressure:	0.008 hPa (0.006 mmHg) at 20 °C (68 °F) 0.025 hPa (0.019 mmHg) at 100 °C (212 °F)
Vapor Density:	no data available
Relative Density:	2.151 g/cm3 at 25 °C (77 °F)
Water Solubility:	213 g/l at 20 °C (68 °F)470 g/l at 80 °C (176 °F)
Partition Coefficient (n-octanol/water):	No data available
Auto-ignition Temperature:	No data available
Decomposition Temperature:	209 °C (408 °F)
Viscosity:	No data available
Explosive Properties:	No data available

Oxidizing Properties: No data available

SECTION 10 *STABILITY AND REACTIVITY*

Reactivity: No data available
Chemical Stability: Stable under recommended storage conditions.
Possibility of Hazardous Reactions: No data available
Conditions to Avoid: Incompatible materials.
Incompatible Materials: Strong oxidizing agents, Strong bases

SECTION 11 *TOXICOLOGICAL INFORMATION*

Acute Toxicity

LD50 Oral - rat - 3,160 mg/kg (OECD Test Guideline 401)
LD50 Oral - mouse - 1,312 mg/kg
Remarks: Behavioral:Excitement. Behavioral:Altered sleep time (including change in righting reflex).
LD50 Oral - guinea pig - 1,050 mg/kg
Remarks: Behavioral:Excitement. Behavioral:Altered sleep time (including change in righting reflex).

Inhalation: No data available
Dermal: No data available

Skin Corrosion/Irritation

Skin - rabbit
Result: Moderate skin irritation
(OECD Test Guideline 404)

Skin - Human
Result: Mild skin irritation

Serious Eye Damage/Eye Irritation

Eyes - rabbit
Result: Moderate eye irritation
(OECD Test Guideline 405)

Respiratory or Skin Sensitization: No data available
Germ Cell Mutagenicity: No data available

Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive Toxicity: No data available
Specific target organ toxicity - single exposure: No data available
Specific target organ toxicity - repeated exposure: No data available
Aspiration Hazard: No data available

SECTION 12 *ECOLOGICAL INFORMATION*

Toxicity

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

Toxicity to daphnia and other aquatic invertebrates: Remarks: No data available

Toxicity to Algae: Remarks: No data available

Persistence and Degradability: Biodegradability Result: - Not readily biodegradable.
Bioaccumulative Potential: No data available
Mobility in Soil: No data available

Results of PBT and vPvB Assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other Adverse Effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.

SECTION 13 *DISPOSAL CONSIDERATIONS*

Product: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations. Ensure complete and accurate classification.

Contaminated Packaging: Dispose of as unused product.

SECTION 14 *TRANSPORTATION DATA*

DOT:	**UN Number:**	2967
	UN Proper Shipping Name:	Sulfamic Acid
	Transport Hazard Class:	8
	Packing Group:	III
IMDG:	**UN Number:**	2967

	UN Proper Shipping Name:	Sulfamic Acid
	Transport Hazard Class:	8
	Packing Group:	III
	Marine Pollutant:	No
IATA:	**UN Number:**	2967
	UN Proper Shipping Name:	Sulfamic Acid
	Transport Hazard Class:	8
	Packing Group:	III

SECTION 15 *REGULATORY INFORMATION*

SARA 302 Components: SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: Acute Health Hazard

Massachusetts Right To Know Components: No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components:	CAS-No.	Revision Date
Sulphamidic Acid	5329-14-6	2007-03-01

New Jersey Right To Know Components:	CAS-No.	Revision Date
Sulphamidic Acid	5329-14-6	2007-03-01

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16 *ADDITIONAL INFORMATION*

NFPA Ratings: Health: 2 Flammability: 0 Reactivity: 0

No representations or warranties, either expressed or implied, of merchant ability, fitness for a particular purpose or any other nature are made hereunder with respect to information or the product to which information refers.

Date: 6/9/2015
Phoenix Products Company