Product Name: Stabilizer
Date: 1/14/2025

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: **Stabilizer**
Synonyms: Isocyanuric acid; 2,4,6-Trihydroxy-1,3,5-triazine; 1,3,5-Triazine-2,4,6-triol; Trihydroxycyanidine; Tricyanic acid; s-2,4,6-Triazinetriol
Chemical Name: Cyanuric Acid
Chemical Formula: $C_3H_3N_3O_3$
CAS Number: 108-80-5
Product Use: Chlorine stabilizer for swimming pool use.

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 Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

CARCINOGENIC EFFECTS: Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

NFPA Ratings (Scale 0-4)
Health = 1
Fire = 0
Reactivity = 0

HMIS Ratings (Scale 0-4)
Health = 1
Fire = 0
Reactivity = 0

SECTION 3 *COMPOSITION, INFORMATION ON INGREDIENTS*

Component	CAS Number	Percent
Cyanuric Acid	108-80-5	98% - 100%

SECTION 4 *FIRST-AID MEASURES*

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. Cold water may be used. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

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: Carbon oxides, Nitrogen oxides (NOx)

Advice for Firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6 *ACCIDENTAL RELEASE MEASURES*

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

SECTION 7 *HANDLING AND STORAGE*

Precautions for Safe Handling: 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. For precautions see section

Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a dry and well-ventilated place. Keep in a dry place.

SECTION 8 *EXPOSURE CONTROLS/PERSONAL PROTECTION*

Control Parameters

Components With Workplace Control Parameters

Component	CAS-No.	Value	Control Parameters	Basis
Cyanuric Acid	108-80-5	TWA	10.000000 mg/m3	USA. Workplace Environmental Exposure Levels (WEEL)
		TWA	5.000000 mg/m3	USA. Workplace Environmental Exposure Levels (WEEL)

SECTION 8 ***EXPOSURE CONTROLS/PERSONAL PROTECTION - Continued***

Exposure Controls

Appropriate Engineering Controls: General industrial hygiene practice.

Personal Protective Equipment

Eye/Face Protection: 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: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of Environmental Exposure: No special environmental precautions required.

SECTION 9 ***PHYSICAL AND CHEMICAL PROPERTIES***

Appearance:	White granules or powder
Odor:	Odorless
Odor Threshold:	Not Available
Melting Point:	Sublimes at 320° - 330°C
Boiling Point:	Not Available
Bulk Density:	0.79-0.85 (g/cc)
Solubility in Water:	0.27% @ 25°C
Specific Gravity:	2.5
pH:	3.8-4.0
Molecular Weight:	129.07 g/mole
Critical Temperature:	Not Available
Vapor Pressure:	Not Applicable
Vapor Density:	Not Available
Volatility:	Not Available
Water/Oil Dist. Coeff.:	Not Available
Ionicity (in Water):	Not Available
Flash Point:	Not Available
Evaporation Rate:	Not Available
Flammability (solid, gas):	Not Available
Partition Coefficient (n-octanol/water):	log Pow: -1.31 at 25 °C (77 °F)
Auto-ignition Temperature:	Not Available
Decomposition Temperature:	Not Available

SECTION 10 ***STABILITY AND REACTIVITY***

Chemical Stability: Stable under recommended storage conditions.
Incompatible Materials: Strong oxidizing agents
Conditions of Instability: Excess heat, dust generate, moist air or water, incompatible materials
Special Remarks on Reactivity: Violent reaction with ethanol. Hygroscopic; keep container tightly closed.
Polymerization: Will not occur.

SECTION 11 ***TOXICOLOGICAL INFORMATION***

Acute Toxicity LD50 Oral: Rat - male and female - > 5,000 mg/kg (Fixed Dose Method)
Inhalation: No data available
LD50 Dermal - Rabbit - male and female - > 5,000 mg/kg (OECD Test Guideline 402)

Skin Corrosion/Irritation: Skin - Rabbit
Result: No skin irritation (OECD Test Guideline 404)

Serious Eye Damage/Eye Irritation: Eyes - Rabbit
Result: No eye irritation (OECD Test Guideline 405)

Respiratory or Skin Sensitization: No data available

Germ Cell Mutagenicity : in vitro assay
S. typhimurium
Result: negative

Carcinogenicity:

Carcinogenicity - Mouse - Skin
Liver:Tumors.

Carcinogenicity - Rat - Oral
Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Liver:Tumors. Skin and Appendages: Other: Tumors.

Carcinogenicity - Rat - Subcutaneous
Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration:Tumors. Blood:Lymphomas including Hodgkin's disease.

Carcinogenicity - Mouse - Oral
Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Blood:Lymphomas including Hodgkin's disease.

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.

SECTION 11 *TOXICOLOGICAL INFORMATION - Continued*

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

Additional Information: Repeated dose toxicity - Rat - male - Oral - No observed adverse effect level - 154 mg/kg - Lowest observed adverse effect level - 371 mg/kg

RTECS: XZ1800000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12 *ECOLOGICAL INFORMATION*

Toxicity: Toxicity to fish static test LC50 - Pimephales promelas (fathead minnow) - > 2,100 mg/l - 96h
Toxicity to daphnia and other aquatic invertebrates static test LC50 - Daphnia magna (Water flea) - > 1,000 mg/l - 48h

Persistence and Degradability: No data available
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.

Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long-term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

SECTION 13 *DISPOSAL CONSIDERATIONS*

Waste Treatment Methods
Product: Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated Packaging: Dispose of as unused product.

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SECTION 14 *TRANSPORTATION DATA*

DOT: Not Regulated
TDG: Not Regulated
MEX: Not Regulated
IMDG: Not Regulated
IATA: Not Regulated

SECTION 15 ***REGULATORY INFORMATION***

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

SARA 313 Components: 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: No SARA Hazards

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
Cyanuric acid	108-80-5	

New Jersey Right To Know Components:	CAS-No.	Revision Date
Cyanuric acid	108-80-5	

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.

HMIS (U.S.A.):	Health Hazard:	1
	Fire Hazard:	0
	Reactivity:	0
	Personal Protection:	E
NFPA (U.S.A.):	Health:	1
	Flammability:	0
	Reactivity:	0
	Specific hazard:	

SECTION 16 ***ADDITIONAL INFORMATION***

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: 1/14/2025
Phoenix Products Company