

1. Product and Company Identification

Product Code:	8521		
Product Name:	Nickle Safe Ice Machine Cleaner		
Company Name:	Sunbelt Laboratories	Phone Number:	(281)261-4747
	P.O. BOX 1563		
	Stafford, TX 77497		
Web site address:	www.sunbelt-labs.com		
Emergency Contact:	CHEM-TEL		(800)255-3924

2. Hazards Identification

Skin Corrosion, Category 1B
Serious Eye Damage, Category 1
Specific Target Organ Toxicity (single exposure), Category 3



GHS Signal Word: **Danger**

GHS Hazard Phrases: Causes severe skin burns and eye damage.
Causes serious eye damage.
May cause respiratory irritation.
May cause damage to through prolonged or repeated exposure.

GHS Precautionary Phrases: Do not breathe dust/fume/gas/mist/vapors/spray.
Wash hands thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
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/physician.
Get medical attention/advice if you feel unwell.
Specific treatment see ... on this label.
Wash contaminated clothing before reuse.

GHS Storage and Disposal Phrases: Store locked up.
Dispose of contents/container to ...

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

Potential Health Effects (Acute and Chronic): Chronic: Harmonized System (HS) shipping code 3808.94.

Inhalation: Causes chemical burns to the respiratory tract.

Skin Contact: Causes skin burns.

Eye Contact: Causes eye burns.

Ingestion: Causes gastrointestinal tract burns.



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3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
7664-38-2	Phosphoric acid	17.0 -27.0 %	
79-14-1	Glycolic acid	0.0 -1.5 %	
77-92-9	Citric acid	0.0 -1.5 %	

4. First Aid Measures

Emergency and First Aid Procedures:	Remove/Take off immediately all contaminated clothing. Rinse cautiously with water for several minutes. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
In Case of Inhalation:	Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
In Case of Skin Contact:	Get medical aid immediately. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
In Case of Eye Contact:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
In Case of Ingestion:	Do NOT induce vomiting. Get medical aid immediately.
Note to Physician:	Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Pt:	NE	Method Used: Estimate
Explosive Limits:	LEL: No data.	UEL: No data.
Autoignition Pt:	NE	
Suitable Extinguishing Media:	Use foam, dry chemical, or carbon dioxide.	
Fire Fighting Instructions:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Substance is noncombustible.	
Flammable Properties and Hazards:	No data available.	
Hazardous Combustion Products:	Strong acids, nitrogen oxides.	

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled:	Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Do not let this chemical enter the environment.
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7. Handling and Storage

Precautions To Be Taken in Handling:	Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Use only in a chemical fume hood.
Precautions To Be Taken in Storing:	Store in a cool, dry place. Store in a tightly closed container.

8. Exposure Controls/Personal Protection



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CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7664-38-2	Phosphoric acid	PEL: 1 mg/m3	TLV: 1 mg/m3 STEL: 3 mg/m3	No data.
79-14-1	Glycolic acid	No data.	No data.	No data.
77-92-9	Citric acid	No data.	No data.	No data.

Respiratory Equipment (Specify Type):	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Eye Protection:	Wear chemical splash goggles.
Protective Gloves:	Wear appropriate protective gloves to prevent skin exposure.
Other Protective Clothing:	Wear appropriate protective clothing to prevent skin exposure.
Engineering Controls (Ventilation etc.):	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

9. Physical and Chemical Properties

Physical States:	<input type="checkbox"/> Gas <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid	
Appearance and Odor:	Odorless. Blue.	
pH:	1.00	
Melting Point:	NE	
Boiling Point:	> 212.00 F (100.0 C)	
Flash Pt:	NE Method Used: Estimate	
Evaporation Rate:	< 1	
Flammability (solid, gas):	No data available.	
Explosive Limits:	LEL: No data.	UEL: No data.
Vapor Pressure (vs. Air or mm Hg):	< 1 at 77.0 F (25.0 C)	
Vapor Density (vs. Air = 1):	> 1	
Specific Gravity (Water = 1):	~ 1.185 at 77.0 F (25.0 C)	
Density:	~ 1.36 G/CM3	
Solubility in Water:	Soluble	
Octanol/Water Partition Coefficient:	No data.	
Percent Volatile:	> 72.0 % by volume.	
Autoignition Pt:	NE	
Decomposition Temperature:	No data.	
Viscosity:	No data.	

10. Stability and Reactivity

Stability:	Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/>
Conditions To Avoid - Instability:	Incompatible materials, Metals. Excess heat.
Incompatibility - Materials To Avoid:	Strong oxidizing agents, Reacts with most common metals to produce hydrogen gas. Is corrosive to many materials including leather, rubber, and many organics.
Hazardous Decomposition or Byproducts:	Phosphine, oxides of phosphorus, hydrogen gas.
Possibility of Hazardous Reactions:	Will occur <input type="checkbox"/> Will not occur <input checked="" type="checkbox"/>
Conditions To Avoid -	Product will not undergo polymerization.

Hazardous Reactions:

11. Toxicological Information

Toxicological Information: Epidemiology: No data available.
 Teratogenicity: No data available.
 Reproductive Effects: Mutagenicity: Neurotoxicity: Other Studies:
Carcinogenicity/Other Information: CAS# 7664-38-2: Not listed by ACGIH, IARC, NTP, or CA Prop 65.
Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
7664-38-2	Phosphoric acid	n.a.	n.a.	n.a.	n.a.
79-14-1	Glycolic acid	n.a.	n.a.	n.a.	n.a.
77-92-9	Citric acid	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

General Ecological Information: Environmental: No information available.
 Physical: No information available.
 Other: Do not empty into drains.

13. Disposal Considerations

Waste Disposal Method: 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. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
 RCRA P-Series: None listed.
 RCRA U-Series: None listed.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Phosphoric acid, liquid. Compounds, cleaning liquid. (Phosphoric acid, Glycolic acid)
DOT Hazard Class: 8 CORROSIVE
UN/NA Number: NA1760 **Packing Group:** II



LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Phosphoric acid, liquid.

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Phosphoric acid, liquid.

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7664-38-2	Phosphoric acid	No	Yes NA	No
79-14-1	Glycolic acid	No	No	No
77-92-9	Citric acid	No	No	No

This material meets the EPA [] Yes [X] No Explosive
'Hazard Categories' defined [] Yes [X] No Flammable (gases, aerosols, liquid, or solid)
for SARA Title III Sections [] Yes [X] No Oxidizer (liquid, solid or gas)

311/312 as indicated:

- Yes No Self-reactive
- Yes No Pyrophoric (liquid or solid)
- Yes No Pyrophoric gas
- Yes No Self-heating
- Yes No Organic peroxide
- Yes No Corrosive to metal
- Yes No Gas under pressure (compressed gas)
- Yes No In contact with water emits flammable gas
- Yes No Combustible Dust
- Yes No (Physical) Hazard Not Otherwise Classified (HNOC)
- Yes No Acute toxicity (any route of exposure)
- Yes No Skin Corrosion or Irritation
- Yes No Serious eye damage or eye irritation
- Yes No Respiratory or Skin Sensitization
- Yes No Germ cell mutagenicity
- Yes No Carcinogenicity
- Yes No Reproductive toxicity
- Yes No Specific target organ toxicity (single or repeated exposure)
- Yes No Aspiration Hazard
- Yes No Simple Asphyxiant
- Yes No (Health) Hazard Not Otherwise Classified (HNOC)

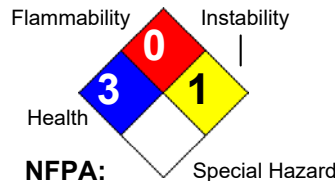
CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7664-38-2	Phosphoric acid	CAA HAP,ODC: No CWA NPDES: No TSCA: Yes - Inventory CA PROP.65: No
79-14-1	Glycolic acid	CAA HAP,ODC: No CWA NPDES: No TSCA: Yes - Inventory CA PROP.65: No
77-92-9	Citric acid	CAA HAP,ODC: No CWA NPDES: No TSCA: Yes - Inventory CA PROP.65: No

16. Other Information

Revision Date: 12/14/2023

Hazard Rating System:

HEALTH		3
FLAMMABILITY	0	
REACTIVITY	1	
PPE		



HMIS:

Additional Information About This Product: No data available.

This Product:

Company Policy or Disclaimer:

DISCLAIMER: To the best of our knowledge, the information contained herein is accurate. There is no assumption of liability for accuracy contained within this information. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any



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process, unless specified in the text.