

1. Product and Company Identification

Product Code:	1350		
Product Name:	Steam Cleaner Concentrate		
Company Name:	Sunbelt Laboratories P.O. BOX 1563 Stafford, TX 77497	Phone Number:	(281)261-4747
Web site address:	www.sunbelt-labs.com		
Emergency Contact:	CHEM-TEL		(800)255-3924

2. Hazards Identification

Skin Corrosion, Category 1A



GHS Signal Word:	Danger
GHS Hazard Phrases:	Causes severe skin burns and eye damage.
GHS Precautionary Phrases:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. 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. IF exposed or concerned: Get medical attention/advice. Immediately call a POISON CENTER or doctor/physician. 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):	Prolonged or repeated skin contact may cause dermatitis. Chronic: Effects may be delayed.
Inhalation:	May be harmful if inhaled.
Skin Contact:	Causes skin burns. May cause skin irritation. May be harmful if absorbed through the skin.
Eye Contact:	Causes eye burns. May cause eye irritation.
Ingestion:	Causes severe pain, nausea, vomiting, diarrhea, and shock. May cause systemic effects. May be harmful if swallowed. Causes burns.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
1310-73-2	Sodium hydroxide	10.0 -20.0 %	
18662-53-8	Nitrilotriacetic acid, Trisodium salt monohydrate	0.1 -2.0 %	
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt	0.1 -2.0 %	
68025-51-4	Phosphate ester	0.1 -1.0 %	

4. First Aid Measures

Emergency and First Aid

Procedures:

In Case of Inhalation:	If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If breathed in, move person into fresh air.
In Case of Skin Contact:	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse. Wash off with soap and plenty of water. Consult a physician.
In Case of Eye Contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid immediately. Continue rinsing eyes during transport to hospital. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
In Case of Ingestion:	Get medical aid immediately. Never give anything by mouth to an unconscious person. If swallowed, wash out mouth with water provided person is conscious. Call a physician. Do NOT induce vomiting. Rinse mouth with water. Consult a physician.
Signs and Symptoms Of Exposure:	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. burning sensation, Cough, Wheezing, Laryngitis, Shortness of breath.
Note to Physician:	Treat symptomatically and supportively. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

5. Fire Fighting Measures

Flash Pt:	NE
Explosive Limits:	LEL: No data. UEL: No data.
Autoignition Pt:	NE
Suitable Extinguishing Media:	Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.
Fire Fighting Instructions:	Use water spray to keep fire-exposed containers cool. Use water with caution and in flooding amounts. Further information: The product itself does not burn.
Flammable Properties and Hazards:	No data available. No data available.

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: Avoid runoff into storm sewers and ditches which lead to waterways. Do not get water on spilled substances or inside containers. PROCEDURE(S) OF PERSONAL PRECAUTION(S)
Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.
Do not let product enter drains.

7. Handling and Storage

Precautions To Be Taken in Handling: Do not get in eyes, on skin, or on clothing. Keep container tightly closed. Avoid ingestion and inhalation. Discard contaminated shoes. Use only with adequate ventilation.

Precautions To Be Taken in Storing: Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from metals. Corrosives area. Keep away from acids. Store protected from moisture. Containers must be tightly closed to prevent the conversion of NaOH to sodium carbonate by the CO₂ in air. Suitable: Keep tightly closed. Keep container tightly closed in a dry and well-ventilated place.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
1310-73-2	Sodium hydroxide	PEL: 2 mg/m ³	CEIL: 2 mg/m ³	No data.
18662-53-8	Nitritoltriacetic acid, Trisodium salt monohydrate	No data.	No data.	No data.
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt	No data.	No data.	No data.
68025-51-4	Phosphate ester	No data.	No data.	No data.

Respiratory Equipment (Specify Type): No data available.

Eye Protection: Face shield and safety glasses.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure. Handle with gloves.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Engineering Controls (Ventilation etc.): Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Safety shower and eye bath. Use only in a chemical fume hood.

Work/Hygienic/Maintenance Practices: Wash thoroughly after handling. Discard contaminated clothing and shoes. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.



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Supersedes Revision: 10/27/2022

9. Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid

Appearance and Odor: Clear, Amber.
None reported.

pH: 13.2

Melting Point: NE

Boiling Point: > 212.00 F (100.0 C)

Flash Pt: NE

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

Vapor Density (vs. Air = 1): < 1

Specific Gravity (Water = 1): 1.14 at 77.0 F (25.0 C)

Solubility in Water: Soluble

Octanol/Water Partition Coefficient: No data.

Percent Volatile: 87.0 % by volume.

Autoignition Pt: NE

Decomposition Temperature: No data.

Viscosity: No data.

Corrosion Rate: Not established

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: No data available.

Incompatibility - Materials To Avoid: Water, Metals. acids, Aluminum, Zinc, gelatin, nitromethane, leather, flammable liquids, organic halogens. Strong oxidizing agents, Strong acids, Lead. Tin/tin oxides.

Hazardous Decomposition or Byproducts: Toxic fumes of sodium oxide, Carbon monoxide, Carbon dioxide, Nitrogen oxides, formed under fire conditions. Sodium oxides, silicon oxides.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions: Product will not undergo polymerization.

11. Toxicological Information

Toxicological Information: Epidemiology: No information found.
Teratogenicity: No information available. Reproductive Effects: Mutagenicity: See actual entry in RTECS for complete information.
Neurotoxicity:

Irritation or Corrosion: Skin - rabbit - Severe skin irritation - -24 h.

Carcinogenicity/Other Information: CAS# 1310-73-2: Not listed by ACGIH, IARC, NTP, or CA Prop 65. 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.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
1310-73-2	Sodium hydroxide	n.a.	n.a.	n.a.	n.a.
18662-53-8	Nitrilotriacetic acid, Trisodium salt monohydrate	Possible	2B	n.a.	n.a.
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt	n.a.	n.a.	n.a.	n.a.
68025-51-4	Phosphate ester	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

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. APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Product:
Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging:
Dispose of as unused product.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Sodium hydroxide solution. Compounds, cleaning liquid. (Sodium hydroxide, Silicic acid (H₂SiO₃), Disodium salt)

DOT Hazard Class: 8 CORROSIVE

UN/NA Number: NA1760 **Packing Group:** II



LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: SODIUM HYDROXIDE, SOLID.

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Sodium hydroxide solution. mixture.

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)
1310-73-2	Sodium hydroxide	No	Yes NA	No
18662-53-8	Nitrilotriacetic acid, Trisodium salt monohydrate	No	No	No
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt	No	No	No
68025-51-4	Phosphate ester	No	No	No

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

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

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
1310-73-2	Sodium hydroxide	CAA HAP,ODC: No CWA NPDES: No TSCA: Yes - Inventory CA PROP.65: No



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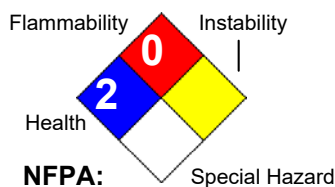
Supersedes Revision: 10/27/2022

18662-53-8	Nitrilotriacetic acid, Trisodium salt monohydrate	CAA HAP,ODC: No CWA NPDES: No TSCA: No CA PROP.65: Yes: Canc.
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt	CAA HAP,ODC: No CWA NPDES: No TSCA: Yes - Inventory CA PROP.65: No
68025-51-4	Phosphate ester	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		2
FLAMMABILITY		0
REACTIVITY		1
PPE		

HMIS:**Additional Information About** 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 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 process, unless specified in the text.