SAFETY DATA SHEET
Barnstorm

Revision: 05/20/2015
Supersedes Revision: 09/25/2014

1. Product and Company Identification

Product Code: 318083

Product Name: Barnstorm

Company Name: Preserve International
PO Box 17003
Reno, NV 89511

Phone Number: (209)664-1607

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Emergency Contact: ChemTELL
Information:

(800)255-3924
(209)664-1607

2. Hazards Identification

Skin Corrosion/Irritation, Category 1B

Danger

GHS Hazard Phrases: Causes severe skin burns and eye damage.

GHS Precaution Phrases: 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 ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
Wash contaminated clothing before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Immediately call a POISON CENTER/doctor.
Specific treatment see section 4 on this SDS.

GHS Storage and Disposal Phrases: Store in a closed container. Dispose of contents/container as per local regulations.

Potential Health Effects (Acute and Chronic): Chronic exposure may cause effects similar to those of acute exposure.

Inhalation: Causes chemical burns to the respiratory tract. May cause severe irritation of the respiratory tract with sore throat, coughing, shortness of breath and delayed lung edema.

Skin Contact: Causes skin burns. Causes severe skin irritation and burns.

Eye Contact: Causes severe eye burns.

Ingestion: Causes gastrointestinal tract burns. Harmful if swallowed. Causes gastrointestinal irritation with nausea, vomiting and diarrhea. May cause burns to the digestive tract.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
7664-38-2	Phosphoric acid {Orthophosphoric acid}	10.0 -35.0 %	
27176-87-0	Dodecylbenzenesulfonic acid {Linear alkylbenzene sulfonic acid}	5.0 -35.0 %	

4. First Aid Measures

Emergency and First Aid Procedures:

In Case of Inhalation: Remove from exposure and move to fresh air immediately. Treat symptomatically. Get medical attention. If breathing is difficult, give oxygen. If inhaled, remove to fresh air.

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. Wash clothing before reuse.

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: Get medical aid immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.

Note to Physician: Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Pt:

Explosive Limits: LEL: UEL:

Autoignition Pt:

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. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Flammable Properties and Hazards:

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. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Provide ventilation.

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. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Keep container tightly closed.

Precautions To Be Taken in Storing: Store in a cool, dry place. Keep container closed when not in use. Keep from contact with oxidizing materials. Keep away from metals. Corrosives area.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7664-38-2	Phosphoric acid {Orthophosphoric acid}	PEL: 1 mg/m3	TLV: 1 mg/m3 STEL: 3 mg/m3	
27176-87-0	Dodecylbenzenesulfonic acid {Linear alkylbenzene sulfonic acid}			

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 process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

9. Physical and Chemical Properties

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

Appearance and Odor: Viscous, clear to light straw.

Melting Point:

Boiling Point:

Autoignition Pt:

Flash Pt:

Explosive Limits: LEL: UEL:

Specific Gravity (Water = 1): 1.15 - 1.20

Density: 9.58 - 10.00 LB/GAL

Vapor Pressure (vs. Air or mm Hg):

Vapor Density (vs. Air = 1):

Evaporation Rate:

Solubility in Water: Complete

pH: 1.00 - 2.00

Percent Volatile:

10. Stability and Reactivity

Stability: Unstable [ ] Stable [X]

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. Strong bases, Metals.

Hazardous Decomposition Or Byproducts: Phosphine, oxides of phosphorus, hydrogen gas. Carbon monoxide, oxides of sulfur.

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

Conditions To Avoid - 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. CAS# 27176-87-0: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
7664-38-2	Phosphoric acid {Orthophosphoric acid}	n.a.	n.a.	n.a.	n.a.
27176-87-0	Dodecylbenzenesulfonic acid {Linear alkylbenzene sulfonic 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. Aquatic: Water temperature affects biodegration. The rate of sodium-C12 linear alkylbenzene sulfonic acids biodegradation in Chesapeake Bay water was max at 25-30 deg C and decreased at lower incubation temperatures. Sodium-C12 linear alkylbenzene sulfonic acids. Terrestrial: The adsorption of sodium-C12 linear alkylbenzene sulfonic acids is affected by the type of soil. The affinity of the soil for surfactants competes with microbial attack, slowing biodegradation.
Physical: No information found.
Other: The biodegradation of linear sodium alkylbenzenesulfonic acid . by marine bacteria . was degraded by some (unspecified) species of marine bacteria when it was present as a sole carbon source, but only when massive aeration was employed . /Linear sodium alkylbenzenesulfonic acid. Sesquioxides such as ferric oxide, and aluminum oxide are important in the sorption of linear alkylbenzenesulfonic acid.

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: Corrosive liquids, n.o.s. (Phosphoric acid)
DOT Hazard Class: 8 CORROSIVE
UN/NA Number: UN1760 **Packing Group:** III

15. Regulatory Information

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7664-38-2	Phosphoric acid {Orthophosphoric acid}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: No; NJ EHS: Yes - 1805; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: Yes; WI Air: Yes
27176-87-0	Dodecylbenzenesulfonic acid {Linear alkylbenzene sulfonic acid}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: No; NJ EHS: Yes - 0822; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: No; WI Air: No

16. Other Information

Revision Date: 05/20/2015

Additional Information About This Product:

Company Policy or Disclaimer: Preserve International believes that the data contained herein is factual and the opinions expressed are those of qualified experts regarding the results of the tests conducted. However, the information presented is not to be taken as a warranty or representation for which Preserve International assumes legal responsibility. This data is offered solely for your information in accordance with applicable Federal, State, and Local laws and regulations.