

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture

Product Name: Foaming PathoPure CT (Concentrate)

Synonyms: Sodium Hydroxide Solution

Intended Use of the Product

Dilute to a ready-to-use (RTU) concentration for kitchen and bathroom cleaning.

Name, Address, and Telephone of the Responsible Party

Company

PathoSans from Spraying Systems Co.

100 W. Lake Dr.

Glendale Heights, IL 60139

833-553-2648

www.pathosans.com

Emergency Telephone Number

Emergency Number : 1-800-424-9300/ +1 703-527-3887

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS-US/CA Classification

This substance does not meet the definition of a hazardous substance or preparation as defined by the OSHA and described in 29 CFR 1910.1200(d).

Label Elements

GHS-US/CA Labeling

Signal Word (GHS-US/CA) : Warning

Hazard Statements (GHS-US/CA) : Causes eye irritation

Precautionary Statements (GHS-US/CA) : If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

Unknown Acute Toxicity (GHS-US/CA)

No data available

Product AT USE DILUTION

Label Elements

GHS-US/CA Labeling

Hazard Pictograms (GHS-US/CA) : None

Signal Word (GHS-US/CA) : None

Hazard Statements (GHS-US/CA) : None

Precautionary Statements (GHS-US/CA) : None

Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

Unknown Acute Toxicity (GHS-US/CA)

No data available

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According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations and According to the Hazardous Products Regulation (February 11, 2015).

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Name	Product Identifier	% *	GHS Ingredient Classification
Water	(CAS No) 7732-18-5	96.68 - 98.80	Not classified
Sodium hydroxide	(CAS No) 1310-73-2	0.20 - 0.32	Not classified
Decyl glucoside	(CAS No) 68515-73-1	1.0 - 3.0	Eye Irrit. 2B, H320

Full text of H-phrases: See section 16

*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

Product AT USE DILUTION

No hazardous ingredients.

Mixture

Name	Product Identifier	% *	GHS Ingredient Classification
Water	(CAS No) 7732-18-5	99.565 – 99.8737	Not classified
Sodium hydroxide	(CAS No) 1310-73-2	0.0013 - 0.06	Not classified
Decyl glucoside	(CAS No) 68515-73-1	0.125 – 0.375	Not classified

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: Under normal conditions of intended use, this material is not expected to be an inhalation hazard. If symptoms occur go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

Skin Contact: Wash skin thoroughly with soap and water after handling. If symptoms occur: Remove contaminated clothing. Rinse affected area with water for at least 5 minutes. Obtain medical attention if irritation develops or persists.

Eye Contact: Rinse immediately with plenty of water. Rinse cautiously with water for at least 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if redness, pain, or irritation occurs.

Ingestion: If symptoms occur: Rinse mouth with water. Do NOT induce vomiting. Obtain medical attention.

Most Important Symptoms and Effects Both Acute and Delayed

General: Not expected to present a significant hazard under anticipated conditions of normal use.

Inhalation: Prolonged exposure may cause irritation.

Skin Contact: Prolonged exposure may cause skin irritation.

Eye Contact: May cause slight irritation to eyes.

Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: None expected under normal conditions of use.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

Product AT USE DILUTION

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: If symptoms occur: Go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

Skin Contact: If symptoms occur: Remove contaminated clothing. Rinse affected area with water for at least 5 minutes. Obtain medical attention if irritation develops or persists.

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Eye Contact: May cause slight irritation to eyes.

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Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Water spray, dry chemical, foam, carbon dioxide.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Hazards Arising from the Substance or Mixture

Fire Hazard: Not flammable.

Explosion Hazard: Product is not explosive.

Reactivity: No reactivity of concern at product concentration.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Irritating or toxic vapors.

Reference to Other Sections

Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid prolonged contact with eyes, skin, and clothing. Avoid breathing (vapor, mist, spray).

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill. Absorb spillage to prevent material damage.

Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

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Product AT USE DILUTION

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid prolonged contact with eyes, skin and clothing. Avoid breathing (vapor, mist, spray).

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Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work. Avoid prolonged contact with eyes, skin, and clothing. Avoid breathing vapors, mist, spray.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store in corrosive resistant container with a resistant inner liner.

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

Specific End Use(s)

Dilution to ready-to-use concentration. Not intended for use as-is.

Product AT USE DILUTION

Precautions for Safe Handling

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work. Avoid prolonged contact with eyes, skin, and clothing. Avoid breathing vapors, mist, spray.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store in corrosive resistant container with a resistant inner liner.

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

Specific End Use(s)

General Purpose Cleaning.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

Sodium hydroxide (1310-73-2)		
Mexico	OEL Ceiling (mg/m ³)	2 mg/m ³
USA ACGIH	ACGIH Ceiling (mg/m ³)	2 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	2 mg/m ³
USA NIOSH	NIOSH REL (ceiling) (mg/m ³)	2 mg/m ³
USA IDLH	US IDLH (mg/m ³)	10 mg/m ³
Alberta	OEL Ceiling (mg/m ³)	2 mg/m ³
British Columbia	OEL Ceiling (mg/m ³)	2 mg/m ³
Manitoba	OEL Ceiling (mg/m ³)	2 mg/m ³
New Brunswick	OEL Ceiling (mg/m ³)	2 mg/m ³
Newfoundland & Labrador	OEL Ceiling (mg/m ³)	2 mg/m ³
Nova Scotia	OEL Ceiling (mg/m ³)	2 mg/m ³
Nunavut	OEL Ceiling (mg/m ³)	2 mg/m ³
Northwest Territories	OEL Ceiling (mg/m ³)	2 mg/m ³
Ontario	OEL Ceiling (mg/m ³)	2 mg/m ³
Prince Edward Island	OEL Ceiling (mg/m ³)	2 mg/m ³
Québec	PLAFOND (mg/m ³)	2 mg/m ³
Saskatchewan	OEL Ceiling (mg/m ³)	2 mg/m ³
Yukon	OEL Ceiling (mg/m ³)	2 mg/m ³

Exposure Controls

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Materials for Protective Clothing: Not required for normal conditions of use. As conditions warrant: Gloves. Protective clothing. Protective goggles.

Hand Protection: Wear protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information: When using, do not eat, drink, or smoke.

Product AT USE DILUTION

Exposure Controls

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Materials for Protective Clothing: Not required for normal conditions of use. As conditions warrant: Gloves. Protective clothing. Protective goggles.

Hand Protection: Wear protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

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Other Information: When using, do not eat, drink, or smoke.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

	<u>Foaming PathoPure CT</u>	<u>Product AT USE DILUTION</u>
Physical State	: Liquid	: Liquid
Appearance	: Clear	: Clear
Odor	: None. No fragrance added.	: None. No fragrance added.
Odor Threshold	: Not available	: Not available
pH	: 12.7 – 12.9	: 10.5 - 12.2
Evaporation Rate	: Not available	: Not available
Melting Point	: Not available	: Not available
Freezing Point	: 0 °C (32 °F)	: 0 °C (32 °F)
Boiling Point	: 100 °C (212 °F)	: 100 °C (212 °F)
Flash Point	: Not available	: Not available
Auto-ignition Temperature	: Not available	: Not available
Decomposition Temperature	: Not available	: Not available
Flammability (solid, gas)	: Not available	: Not available
Lower Flammable Limit	: Not available	: Not available
Upper Flammable Limit	: Not available	: Not available
Vapor Pressure	: Not available	: Not available
Relative Vapor Density at 20°C	: Not available	: Not available
Relative Density	: Not available	: Not available
Specific Gravity	: 1	: 1
Solubility	: Water: Soluble	: Water: Soluble
Partition Coefficient: N-Octanol/Water	: Not available	: Not available
Viscosity	: 0.9-cP	: 0.9-cP

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No hazard under normal conditions of use.

Chemical Stability: Stable under recommended handling and storage conditions (see section 7).

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Direct sunlight, extremely high or low temperatures, and incompatible materials.

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

Hazardous Decomposition Products: None known.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity (Oral): Harmful if swallowed.

Acute Toxicity (Dermal): Causes slight skin and eye irritation.

Acute Toxicity (Inhalation): Not classified

LD50 and LC50 Data: Not available

Skin Corrosion/Irritation: Causes slight skin irritation.

pH: 12.7-12.9

Eye Damage/Irritation: Causes slight eye irritation.

pH: 12.7-12.9

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Product AT USE DILUTION

Skin Corrosion/Irritation: Not classified

pH: 10.5 – 12.2

Eye Damage/Irritation: Not classified

pH: 10.5 – 12.2

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Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.

Symptoms/Injuries After Skin Contact: Causes slight skin irritation.

Symptoms/Injuries After Eye Contact: Causes slight irritation to eyes.

Symptoms/Injuries After Ingestion: Harmful if swallowed.

Chronic Symptoms: None expected under normal conditions of use.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data: Not available

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Ecology - General: Not classified.

Sodium hydroxide (1310-73-2)	
LC50 Fish 1	45.4 mg/l (Exposure time: 96 h – Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	40 mg/l
Decyl glucoside (68515-73-1)	
LC50 Fish 1	100.81 mg/l (Exposure time: 96 h – Species: Brachydanio rerio)
EC50 Crustacea 1	> 100 mg/l (Exposure time: 48 h – Species: Daphnia magna)
EC50 Algae	> 37 mg/l (Exposure time: 72 h – Species: Desmodesmus subspicatus)

Persistence and Degradability

Foaming PathoPure CT	
Persistence and Degradability	Not established.

Bioaccumulative Potential

Foaming PathoPure CT	
Bioaccumulative Potential	Not established.

Mobility in Soil

Not available

Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

Additional Information: Bottle can be rinsed three times with tap water. Glass can be recycled at the appropriate recycling center.

Ecology - Waste Materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

In Accordance with DOT

This product is classified (per 49 CFR 173.137) by the U.S. Department of Transportation, as follows.

Proper Shipping Name	: Non-Regulated Material
Hazard Class	: None
Identification Number	: None
Label Codes	: None
Packing Group	: N/A
ERG Number	: N/A

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SECTION 15: REGULATORY INFORMATION

US Federal Regulations

Water (7732-18-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Sodium hydroxide (1310-73-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
CERCLA RQ	1000 lb.
Decyl glucoside (68515-73-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

US State Regulations

Sodium hydroxide (1310-73-2)
U.S. - Massachusetts - Right to Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
U.S. - Pennsylvania - RTK (Right to Know) List

Canadian Regulations

Water (7732-18-5)
Listed on the Canadian DSL (Domestic Substances List)
Sodium hydroxide (1310-73-2)
Listed on the Canadian DSL (Domestic Substances List)
Decyl glucoside (68515-73-1)
Listed on the Canadian DSL (Domestic Substances List)

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date	: 9/25/2023
Other Information	: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR).

GHS Full Text Phrases:

Eye Irrit. 2B	Seious eye damage/eye irritation Category 2B
H320	Causes eye irritation

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

NA GHS SDS 2015 (US, Can, Mex)