SAFETY DATA SHEETS

This SDS packet was issued with item:

070909655

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

070909754 070909762 070909770 070909788



SECTION 1 – IDENTIFICATION

Product Identifier

Product Name: Patterson Ultrasonic Solution

Product Code: 090-9754, 090-9762

Recommended Use of the Chemical and Restrictions for Use

Recommended Use: Cleaner

Restrictions for Use: Use only as directed.

Details of the Supplier

Manufacturered for: Patterson Companies, Inc

1301 Mendota Heights Road

St. Paul, MN 55120

P: 800-328-5536, F: 651-686-9331 www.pattersoncompanies.com

Emergency Phone Number

24-Hour Number: 1-800-424-9300

SECTION 2 – HAZARDS IDENTIFICATION

Classification

Hazard Class	Category
Corrosive to metals	1

Label Elements

Hazard Symbols(s):



Signal Word(s): Warning

Hazard Statement(s): May be corrosive to metals.

Precautionary Statement(s): Keep only in original container. Absorb spillage to prevent material damage. Store in corrosive resistant container with a resistant inner liner.

Other Hazards

5% of the mixture consists of ingredient(s) of unknown acute toxicity.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS			
Chemical Name	CAS Number	Wt %	
Sodium carbonate	497-19-8	1-5	
Poly(oxy-1,2-ethanediyl), .alphasulfoomega(dodecyloxy)-, sodium salt	9004-82-4	0.5-1.5	

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SECTION 4 - FIRST AID MEASURES

First Aid Measures

Inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Eye Contact: In case of contact, immediately flush eyes with plenty of water. Call a physician if irritation develops and persists.

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Ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

Skin: In case of contact, immediately flush skin with plenty of water. Call a physician if irritation develops and persists.

Most Important Symptoms and Effects (Acute and Delayed)

Inhalation: May cause respiratory tract irritation.

Eye Contact: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Skin: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physician: Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing Media

Suitable: Treat for surrounding material.

Unsuitable: None known.

Specific Hazards Arising from Chemical

Products of combustion include but are not limited to: oxides of carbon.

Protective Equipment and Precautions for Firefighters

Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Personal Precautions: Use personal protective equipment as required. **Environmental Precautions:** See Section 12 for ecological information.

Methods and Material for Containment and Cleaning Up

Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling

Handling: Avoid contact with skin and eyes. Avoid breathing vapor or mist. Do not swallow. Handle open container with care. When using, do not eat, drink or smoke.

General Hygiene Advice: Launder contaminated clothing before use. Wash hands before eating, drinking, or smoking.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Keep out of reach of children. Store in original container or corrosive resistant and/or line container. Keep container tightly closed.

Incompatible Materials: Metals

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Exposure Guidelines:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium carbonate (497-19-8)	Not Available	Not Available	Not Available
Poly(oxy-1,2-ethanediyl), .alphasulfoomega	Not Available	Not Available	Not Available
(dodecyloxy)-, sodium salt (9004-82-4)			

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Appropriate Engineering Controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Individual Protection Measures

Respiratory Protection: None required under normal use conditions. In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Skin and Body Protection: Wear suitable protective clothing.

Eye/Face Protection: Safety glasses or goggles are recommended when using this product.

General Work/Hygienic Practices: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Straw colored liquid

Odor: Slight/detergent

Odor threshold: Not determined

pH: 10.8

Melting point/freezing point: Not determined

Initial boiling point and boiling range: Not determined

Flash point: >93.3°C (>200 °F) TCC Evaporation rate: Not determined

Flammability (solid, gas): Not flammable

Upper/lower flammability or explosive limits: Not determined

Vapor pressure: Not determined Vapor density: Not determined

Relative density: 1.06

Solubility(ies): Not determined

Partition coefficient (n-octanol/water): Not determined

Auto-ignition temperature: Not determined Decomposition temperature: Not determined

Viscosity: Not determined

SECTION 10 – STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions. May be corrosive to metals.

Chemical stability: Stable under recommended storage conditions. **Possibility of hazardous reactions:** None under normal use.

Conditions to avoid: Heat. Incompatible materials.

Incompatible materials: Metals

Hazardous decomposition products: May include and are not limited to: oxides of carbon.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Likely Routes of Exposure: Inhalation, skin contact, eye contact, ingestion **Information Related to Physical, Chemical, and Toxicological Effects**

See section 4 of this SDS.

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Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity: NTP: No IARC: No OSHA: No

Numerical Measures of Toxicity

Product			
ATE (oral)	>2000 mg/kg, rat		
ATE (dermal)	>2000 mg/kg, rabbit		
ATE (inhalation)	>20 mg/l/4h, rat		

Component Information:

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium carbonate (497-19-8)	4090 mg/kg (rat)	2210 mg/kg (mouse)	Not determined
Poly(oxy-1,2-ethanediyl), .alphasulfoomega		Not determined	Not determined
(dodecyloxy)-, sodium salt (9004-82-4)	1600 mg/kg (rat)		

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Not established

Persistence and degradability: Not established Bioaccumulative potential: Not established

Mobility in soil: No additional information available.

Other adverse effects: No additional information available

SECTION 13 – DISPOSAL CONSIDERATIONS

See section 8 of this SDS for exposure controls and personal protection.

Dispose of the product and container in accordance with all applicable local, state, and federal regulations.

SECTION 14 – TRANSPORT INFORMATION

Note: Classification changes based on quantity, packaging, and method of shipment. See current shipping paper for most up to date shipping information.

UN 1760, Corrosive liquids, n.o.s. (sodium carbonate), 8, PG III

DOT (Ground): Regulated IATA (Air): Regulated IMDG (Vessel): Regulated

SECTION 15 - REGULATORY INFORMATION

All ingredients in this product are listed or are excluded from listing on the US Toxic Substances Act (TSCA) Chemical Substance Inventory.

SECTION 16 - OTHER INFORMATION

Issue Date: 05 May 2014

Revision Date: 23 February 2015

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as 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 designed and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet