

# SAFETY DATA SHEETS

**This SDS packet was issued with item:**

070897546

N/A

# Safety Data Sheet

According to Canadian Hazardous Products Regulations and WHMIS 2015

Initial preparation date: 06.12.2017

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## Patterson General Tray Cleaner

### SECTION 1: Identification

#### Product identifier

**Product name:** Patterson General Tray Cleaner

**Product code:** 070897546



#### Recommended use of the product and restriction on use

**Relevant identified uses:** Dentistry

**Uses advised against:** Non-dental use

**Reasons why uses advised against:** Not determined or not applicable.

#### Manufacturer or supplier details

##### Manufacturer:

##### United States

Patterson Companies, Inc.

1031 Mendota Heights Rd.

St. Paul, MN 55120

+1 800-328-5536

#### Emergency telephone number:

##### CHEMTREC

Within USA and Canada: 1-800-424-9300 (CHEMTREC, 24 hours)

Outside USA and Canada: +1-703-527-3887 (CHEMTREC, 24 hours)

### SECTION 2: Hazard identification

#### GHS classification:

Oxidizing solids, category 3

Serious eye damage, category 1

Specific target organ toxicity - single exposure, category 3, respiratory irritation

Reproductive toxicity, category 1B

#### Label elements

##### Hazard pictograms:



**Signal word:** Danger

#### Hazard statements:

H272 May intensify fire; oxidizer.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H360 May damage fertility or the unborn child.

#### Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P220 Keep/Store away from clothing/combustible materials.

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P221 Take any precaution to avoid mixing with combustibles.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P271 Use only outdoors or in a well-ventilated area.  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P370+P378 In case of fire: Use agents recommended in section 5 for extinction.  
P305+P351+P338+P310 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.  
P304+P340+P312 If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.  
P308+P313 If exposed or concerned: Get medical advice/attention.  
P405 Store locked up.  
P403+P233 Store in a well ventilated place. Keep container tightly closed.  
P501 Dispose of contents and container as instructed in Section 13.

**Hazards not otherwise classified:** None

### SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 497-19-8	Sodium Carbonate	15-30
CAS number: 7758-29-4	Pentasodium Triphosphate	25-40
CAS number: 10486-00-7	Sodium Perborate Tetrahydrate	5-20

**Additional Information:** None

### SECTION 4: First-aid measures

#### Description of first-aid measures

**General notes:**

Not determined or not available.

**After inhalation:**

Move exposed individual to fresh air

Call a POISON CONTROL CENTER or seek medical attention if you feel unwell

**After skin contact:**

Rinse affected area with soap and water

If symptoms develop or persist, seek medical attention

**After eye contact:**

Rinse/flush exposed eye(s) gently using water for 15-20 minutes

Remove contact lens(es) if able to do so during rinsing

Immediately call a POISON CONTROL CENTER or seek medical attention

**After ingestion:**

Rinse mouth thoroughly

Seek medical attention if irritation, discomfort, or vomiting persists

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### Most important symptoms and effects, both acute and delayed

#### Acute symptoms and effects:

Not determined or not available.

#### Delayed symptoms and effects:

Not determined or not available.

### Immediate medical attention and special treatment

#### Specific treatment:

Not determined or not available.

#### Notes for the doctor:

Not determined or not available.

## SECTION 5: Fire-fighting measures

### Extinguishing media

#### Suitable extinguishing media:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition

#### Unsuitable extinguishing media:

Do not use water as an extinguisher

### Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors

### Special protective equipment for firefighters:

Wear protective eye wear, gloves and clothing

Refer to Section 8

### Special precautions:

Avoid inhaling gases, fumes, dust, mist, vapor and aerosols

Avoid contact with skin, eyes and clothing

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures:

Wear protective eye wear, gloves and clothing

Ensure adequate ventilation

Ensure air handling systems are operational

### Environmental precautions:

Should not be released into the environment

Prevent from reaching drains, sewer or waterway

### Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing

### Reference to other sections:

Not determined or not applicable.

## SECTION 7: Handling and storage

### Precautions for safe handling:

Do not eat, drink, smoke or use personal products when handling chemical substances.

Avoid breathing mist or vapor.

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### Conditions for safe storage, including any incompatibilities:

Store in a cool, well-ventilated area.

## SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

### Occupational Exposure limit values:

No occupational exposure limits noted for the ingredient(s).

### Biological limit values:

No biological exposure limits noted for the ingredient(s).

### Information on monitoring procedures:

Not determined or not applicable.

### Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

### Personal protection equipment

#### Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

#### Skin and body protection:

Select glove material impermeable and resistant to the substance.

#### Respiratory protection:

When necessary, use NIOSH-approved breathing equipment.

### General hygienic measures:

Wash hands before breaks and at the end of work.

Avoid contact with skin, eyes and clothing.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

<b>Appearance (physical state, color):</b>	Granular white powder
<b>Odor:</b>	Mint
<b>Odor threshold:</b>	Not available.
<b>pH-value:</b>	Not available.
<b>Melting/Freezing point:</b>	Not available.
<b>Boiling point/range:</b>	Not available.
<b>Flash point:</b>	Not available.
<b>Evaporation rate:</b>	Not available.
<b>Flammability (solid, gaseous):</b>	Not available.
<b>Explosion limit upper:</b>	Not available.
<b>Explosion limit lower:</b>	Not available.
<b>Vapor pressure:</b>	Not available.
<b>Vapor density:</b>	Not available.
<b>Density:</b>	Not available.
<b>Relative density:</b>	Not available.

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<b>Solubilities:</b>	Not determined or not available.
<b>Partition coefficient (n-octanol/water):</b>	Not available.
<b>Auto/Self-ignition temperature:</b>	Not available.
<b>Decomposition temperature:</b>	Not available.
<b>Dynamic viscosity:</b>	Not available.
<b>Kinematic viscosity:</b>	Not available.
<b>Explosive properties</b>	Not available.
<b>Oxidizing properties</b>	Not available.

### Other information

## SECTION 10: Stability and reactivity

### Reactivity:

Does not react under normal conditions of use and storage.

### Chemical stability:

Stable under normal conditions of use and storage.

### Possibility of hazardous reactions:

None under normal conditions of use and storage.

### Conditions to avoid:

Exposure to moisture.

### Incompatible materials:

Metals, metallic salts, acids, bases, and reducing agents.

### Hazardous decomposition products:

Oxides of sodium, phosphorus, boron and carbon.

## SECTION 11: Toxicological information

### Acute toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

### Substance data:

Name	Route	Result
Pentasodium Triphosphate	oral	LD50 - Rat - male and female - > 2,000 mg/kg
	dermal	LD50 - Rabbit - 4,640 mg/kg
	inhalation	LC50 - Rat - male and female - 4 h - > 0.39 mg/l
Sodium Carbonate	oral	LD50 - Rat - 4,090 mg/kg
	inhalation	LC50 Inhalation - Rat - 2300 mg/m <sup>3</sup> 2H
Sodium Perborate Tetrahydrate	oral	LDLO Oral - Infant - 400 mg/kg
		LDLO Oral - Child - 250 mg/kg
		LDLO Oral - Human - 214 mg/kg
		LD50 - Rat - 1,200 mg/kg ( Remarks: Behavioral : Convulsions or effect on seizure threshold and muscle weakness.)
	dermal	LD50 Dermal - Rabbit - > 2,000 mg/kg

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### Skin corrosion/irritation

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

### Serious eye damage/irritation

**Assessment:** Causes serious eye damage

**Product data:** No data available.

**Substance data:**

Name	Result
Sodium Carbonate	Causes eye irritation
Sodium Perborate Tetrahydrate	Eyes - Rabbit ( Result : Severe eye irriation)

### Respiratory or skin sensitization

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

### Carcinogenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

**International Agency for Research on Cancer (IARC):** None of the ingredients are listed.

**National Toxicology Program (NTP):** None of the ingredients are listed.

### Germ cell mutagenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

### Reproductive toxicity

**Assessment:** May damage fertility or the unborn child

**Product data:** No data available.

**Substance data:**

Name	Result
Sodium Perborate Tetrahydrate	Reproductive toxicity - Rat - Oral (Maternal Effects: Other Effects, Effects on fertility: Post -implantation mortality (e.g. dead and/or resorbed implants per total number of implants): Effects on Embryo or Fetus : Extra embryonic structures (e.g. placenta, umbilical cord).
	Presumed human reproductive toxicant may damage the unborn child. Suspected of damaging fertility.
	Developmental Toxicity - Rat - Oral ( Effects on Embryo or Fetus: Fetotoxicity (except death, e.g. stunted fetus)).
	Developmental Toxicity - Rat - Oral ( Specific Developmental Abnormalities : Musuloskeletal system. Specific Developmental Abnormalities: Cardiovascular (circulatory ) System.

### Specific target organ toxicity (single exposure)

**Assessment:** May cause respiratory irritation

**Product data:** No data available.

**Substance data:**

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Name	Result
Sodium Perborate Tetrahydrate	The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

### Specific target organ toxicity (repeated exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

### Aspiration toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

**Information on likely routes of exposure:** No data available.

**Symptoms related to the physical, chemical and toxicological characteristics:** No data available.

**Other information:** No data available.

## SECTION 12: Ecological information

### Acute (short-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

Name	Result
Pentasodium Triphosphate	EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h
Sodium Carbonate	LC50 - Lepomis macrochirus (Bluegill) - 300 mg/l - 96 h
	EC50 - Daphnia magna (Water flea) - 265 mg/l - 48 h
Sodium Perborate Tetrahydrate	LC50 - Danio rerio (zebra fish) - 51 mg/l - 96 h
	EC50 - Daphnia magna (Water flea) - 11mg/l - 48 h
	IC50 - Desmodesmus subspicatus (green algae) - 26.8mg/l - 96 h

### Chronic (long-term) toxicity

**Product data:** No data available.

**Substance data:** No data available.

### Persistence and degradability

**Product data:** No data available.

**Substance data:**

Name	Result
Sodium Perborate Tetrahydrate	Biotic / Aerobic Result : 85% - Readily biodegradable.

### Bioaccumulative potential

**Product data:** No data available.

**Substance data:** No data available.

### Mobility in soil

**Product data:** No data available.

**Substance data:** No data available.

**Other adverse effects:** No data available.



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### SECTION 13: Disposal considerations

#### Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities (US 40CFR262.11)

### SECTION 14: Transport information

#### Canadian Transportation of Dangerous Goods (TDG)

UN number	Not regulated.
UN proper shipping name	Not regulated. Not regulated.
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	Marine Pollutant
Special precautions for user	None

#### International Maritime Dangerous Goods (IMDG)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

#### International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

#### Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Bulk Name	None
Ship type	None
Pollution category	None

### SECTION 15: Regulatory information

#### Canada regulations

##### Domestic substances list (DSL):

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497-19-8	Sodium Carbonate	Listed
10486-00-7	Sodium Perborate Tetrahydrate	Not Listed

**Non-domestic substances list (NDSL):** Not determined.

## SECTION 16: Other information

**Abbreviations and Acronyms:** None

**Disclaimer:**

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.

**NFPA:** 2-0-1

**HMIS:** 2-0-1

**Initial preparation date:** 06.12.2017

**End of Safety Data Sheet**