

# 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

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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:** Denistry

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

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

##### Manufacturer or supplier details

###### Manufacturer:

###### Supplier

Patterson Dentaire Canada Inc.  
1205 boul Henri-Bourassa West  
Montreal (Québec) H3M 3E6  
+1 514-745-4040

##### Emergency telephone number:

###### Canada

###### 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

Skin corrosion, category 1B

Serious eye damage, category 1

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

Reproductive toxicity, category 2

##### Label elements

###### Hazard pictograms:



**Signal word:** Danger

##### Hazard statements:

H272 May intensify fire; oxidizer

H314 Causes severe skin burns and eye damage

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H318 Causes serious eye damage  
H335 May cause respiratory irritation  
H361 Suspected of damaging 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  
P221 Take any precaution to avoid mixing with combustibles  
P280 Wear protective gloves/protective clothing/eye protection/face protection  
P260 Do not breathe dust/fume/gas/mist/vapors/spray  
P264 Wash skin thoroughly after handling  
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  
P321 Specific treatment (see supplemental first aid instructions on this label).  
P363 Wash contaminated clothing before reuse  
P304+P340+P310 If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician  
P301+P330+P331+P310 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.  
P303+P361+P353+P310 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.  
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.  
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: 10486-00-7	Sodium Perborate	5-20
CAS number: 497-19-8	Sodium Carbonate	15-30
CAS number: 7758-29-4	Pentasodium Triphosphate	25-40

**Additional Information:** None

## SECTION 4: First-aid measures

### Description of first-aid measures

#### General notes:

Not determined or not available.

#### After inhalation:

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Loosen clothing as necessary and position individual in a comfortable position  
Maintain an unobstructed airway  
Get medical advice/attention if you feel unwell  
Take precautions to ensure your own safety  
Remove source of exposure or move person to fresh air and keep comfortable for breathing  
Immediately call a POISON CONTROL CENTER or seek medical attention  
If breathing has stopped, trained personnel should begin rescue breathing  
Avoid mouth-to-mouth contact by using a barrier device  
If the heart has stopped, immediately start cardiopulmonary resuscitation (CPR)

### After skin contact:

Rinse affected area with soap and water  
If symptoms develop or persist, seek medical attention  
Avoid direct contact and wear chemical protective clothing, if necessary  
Immediately take off all contaminated clothing  
Gently blot or brush away excess product  
Rinse skin with lukewarm, gently flowing water until medical aid is available  
Immediately call a POISON CONTROL CENTER or seek medical attention  
Wash contaminated clothing before re-use or discard

### After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes  
If symptoms develop or persist, seek medical attention  
Avoid direct contact and wear chemical protective gloves, if necessary  
Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open  
Remove contact lenses, if present and easy to do so  
Continue rinsing until medical aid is available  
Immediately call a POISON CONTROL CENTER or seek medical attention

### After ingestion:

Rinse mouth thoroughly  
Seek medical attention if irritation, discomfort, or vomiting persists  
Immediately call a POISON CONTROL CENTER or seek medical attention  
Do not induce vomiting and rinse mouth  
If vomiting occurs naturally, lie on your side, in the recovery position  
If breathing has stopped, trained personnel should begin rescue breathing  
Avoid mouth-to-mouth contact by using a barrier device  
If the heart has stopped, immediately start cardiopulmonary resuscitation (CPR)

### 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

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### Extinguishing media

#### Suitable extinguishing media:

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

#### Unsuitable extinguishing media:

Not determined or not applicable.

### Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors

### Special protective equipment for firefighters:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit

### Special precautions:

Carbon monoxide and carbon dioxide may form upon combustion  
Heating causes a rise in pressure, risk of bursting and combustion

## SECTION 6: Accidental release measures

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

Ensure adequate ventilation  
Ensure air handling systems are operational  
Wear protective eye wear, gloves and clothing

### 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  
Sweep or scoop up solid material while minimizing dust generation  
Dispose of contents / container in accordance with local regulations

### Reference to other sections:

Not determined or not applicable.

## SECTION 7: Handling and storage

### Precautions for safe handling:

Use only with adequate ventilation.  
Avoid breathing dust.  
Do not eat, drink, smoke or use personal products when handling chemical substances.

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

Keep container tightly sealed.  
Keep container dry.  
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:

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

### Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls.

Biological monitoring may also be appropriate for some substances.

### Appropriate engineering controls:

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

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

### 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.

Wear appropriate clothing to prevent any possibility of skin contact.

#### Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

### General hygienic measures:

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of work.

Wash contaminated clothing before reuse.

## 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.
<b>Solubilities:</b>	Soluble in water.
<b>Partition coefficient (n-octanol/water):</b>	Not available.

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<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:

None known.

### Incompatible materials:

None known.

### Hazardous decomposition products:

None known.

## 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
Sodium Perborate	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
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

### Skin corrosion/irritation

**Assessment:** Causes severe skin burns and eye damage

### Product data:

No data available.

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### Substance data:

Name	Result
Sodium Perborate	Skin - Rabbit ( Result: No skin irritation)

### Serious eye damage/irritation

**Assessment:** Causes serious eye damage

#### Product data:

No data available.

#### Substance data:

Name	Result
Sodium Carbonate	Causes serious eye irritation.
Sodium Perborate	Eyes - Rabbit ( Result : Severe eye irritation)

### 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:** Suspected of damaging fertility or the unborn child

#### Product data:

No data available.

#### Substance data:

Name	Result
Sodium Perborate	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.



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### Specific target organ toxicity (single exposure)

**Assessment:** May cause respiratory irritation

**Product data:**

No data available.

**Substance data:**

Name	Result
Sodium Perborate	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:**

Fish	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life. Avoid release to the environment.
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**Substance data:**

Name	Result
Sodium Perborate	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
Pentasodium Triphosphate	EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 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:**

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Name	Result
Sodium Perborate	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.

## 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

## SECTION 14: Transport information

### Canadian Transportation of Dangerous Goods (TDG)

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 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

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

<b>Bulk Name</b>	None
<b>Ship type</b>	None
<b>Pollution category</b>	None

## SECTION 15: Regulatory information

### Canada regulations

#### Domestic substances list (DSL):

497-19-8	Sodium Carbonate	Listed
10486-00-7	Sodium Perborate	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 the Canadian Hazardous Products Regulations and WHMIS 2015. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to 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, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

**NFPA:** 3-0-1

**HMIS:** 3-0-1

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**End of Safety Data Sheet**