

SAFETY DATA SHEETS

This SDS packet was issued with item:

070877209

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

070877191

Safety Data Sheet

According to Canadian Hazardous Products Regulations and WHMIS 2015

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pd CARE Wipes

SECTION 1: Identification

Product identifier

Product name: pd CARE Wipes

Product code: 070877191, 070877209

Recommended use of the product and restriction on use

Relevant identified uses: Hard surface cleaner and disinfectant wipe.

Uses advised against: Any use other than that recommended above.

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

Manufacturer or supplier details

Manufacturer:

Canada

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

Emergency telephone number:

Canada

CHEMTREC

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

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

SECTION 2: Hazard identification

GHS classification:

Flammable liquids, category 4

Eye irritation, category 2A

Label elements

Hazard pictograms:



Signal word: Warning

Hazard statements:

H227 Combustible liquid

H319 Causes serious eye irritation

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P280 Wear protective gloves/protective clothing/eye protection/face protection

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P264 Wash hands thoroughly after handling

P370+P378 In case of fire: Use agents recommended in section 5 to extinguish

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337+P313 If eye irritation persists: Get medical advice/attention

P403+P235 Store in a well-ventilated place. Keep cool

P501 Dispose of contents/container in accordance with local regulations.

Hazards not otherwise classified:

None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 67-63-0	Isopropanol	17.2
CAS number: 111-76-2	Ethylene Glycol Monobutyl Ether (2-Butoxyethanol)	1-5
CAS number: 121-54-0	Diisobutylphenoxyethoxyethyl dimethylbenzylammonium chloride	0.28

Additional Information:

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with the Canadian Hazardous Products Regulation and WHMIS 2015.

SECTION 4: First-aid measures

Description of first-aid measures

General notes:

Show this Safety Data Sheet to the doctor in attendance.

After inhalation:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If experiencing respiratory symptoms, seek medical advice/attention.

After skin contact:

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention.

After eye contact:

Rinse eyes with plenty of gently flowing lukewarm water for 15 minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention.

After ingestion:

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms

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develop or persist, seek medical advice/attention.

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Product is combustible. Exposure to sources of ignition may cause physical injury.

Eye contact may result in irritation, redness, pain, inflammation, itching, burning and tearing.

Delayed symptoms and effects:

Effects are dependent on exposure (dose, concentration, contact time).

Immediate medical attention and special treatment

Specific treatment:

Not determined or not available.

Notes for the doctor:

Treat symptomatically.

SECTION 5: Fire-fighting measures

Extinguishing media

Suitable extinguishing media:

Use water spray or fog, alcohol-resistant foam, carbon dioxide or dry chemical. Cool fire exposed containers with water.

Unsuitable extinguishing media:

Do not use water jet.

Specific hazards during fire-fighting:

Combustible liquid. Will be easily ignitable by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard indoors, outdoors or in sewers. Runoff to sewer may create fire or explosion hazard. Containers may explode when heated. Inhalation or contact with material may irritate or burn skin and eyes. Fire may produce irritating, corrosive and/or toxic gases. Vapors may cause dizziness or suffocation.

Thermal decomposition may produce irritating/toxic fumes/gases.

Special protective equipment for firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in positive pressure mode.

Special precautions:

Evacuate non-essential personnel. Ventilate closed spaces before entering. Consider initial evacuation for 300 meters in all directions. If tank/rail car is involved in the fire, ISOLATE for 800 meters in all directions. Fight fire from a maximum distance. Move containers from fire area if you can do it without risk. Use water spray/fog for cooling fire exposed containers. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. Always stay away from tanks engulfed in fire. For massive fire, use unmanned hose holders or monitor nozzles. If this is impossible, withdraw from area and let fire burn. Stand by, at a safe distance, with extinguisher ready for possible re-ignition. A vapor-suppressing foam may be used to reduce vapors. Avoid unnecessary run-off of extinguishing media which may cause pollution. Do not handle damaged containers unless specialized to do so.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

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Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. All equipment used when handling the product must be grounded. Wear recommended personal protective equipment (see Section 8). Avoid contact with skin, eyes and clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers and waterways. Discharge into the environment must be avoided.

Methods and material for containment and cleaning up:

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Stop leak if you can do it without risk. A vapor-suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

Reference to other sections:

For personal protective equipment see Section 8. For disposal see Section 13.

SECTION 7: Handling and storage

Precautions for safe handling:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating and lighting equipment. Take action to prevent static discharges. Handle containers with caution. Use appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Avoid contact with skin, eyes and clothing. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use.

Use appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Avoid contact with skin, eyes and clothing. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use.

Conditions for safe storage, including any incompatibilities:

Not determined or not applicable.

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
Alberta	Isopropanol	67-63-0	8-Hour TWA: 492 mg/m ³ (200 ppm)
	Isopropanol	67-63-0	15-Minute STEL: 984 mg/m ³ (400 ppm)
	Ethylene Glycol Monobutyl Ether (2-Butoxyethanol)	111-76-2	8-Hour TWA: 97 mg/m ³ (20 ppm)
British Columbia	Isopropanol	67-63-0	8-Hour TWA: 200 ppm
	Ethylene Glycol Monobutyl Ether (2-Butoxyethanol)	111-76-2	8-Hour TWA: 20 ppm
	Isopropanol	67-63-0	15-Minute STEL: 400 ppm

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
Manitoba	Isopropanol	67-63-0	8-Hour TWA: 200 ppm
	Ethylene Glycol Monobutyl Ether (2-Butoxyethanol)	111-76-2	8-Hour TWA: 20 ppm
	Isopropanol	67-63-0	15-Minute STEL: 400 ppm
Ontario	Isopropanol	67-63-0	8-Hour TWA: 200 ppm
	Ethylene Glycol Monobutyl Ether (2-Butoxyethanol)	111-76-2	8-Hour TWA: 20 ppm
	Isopropanol	67-63-0	15-Minute STEL: 400 ppm
Quebec	Isopropanol	67-63-0	8-Hour TWA: 983 mg/m ³ (400 ppm)
	Ethylene Glycol Monobutyl Ether (2-Butoxyethanol)	111-76-2	8-Hour TWA: 20 ppm
	Isopropanol	67-63-0	15-Minute STEL: 1230 mg/m ³ (500 ppm)
Saskatchewan	Isopropanol	67-63-0	8-Hour Contamination Limit: 200 ppm
	Ethylene Glycol Monobutyl Ether (2-Butoxyethanol)	111-76-2	8-Hour Contamination Limit: 20 ppm
	Ethylene Glycol Monobutyl Ether (2-Butoxyethanol)	111-76-2	15-Minute Contamination Limit: 30 ppm
	Isopropanol	67-63-0	15-Minute Contamination Limit: 400 ppm
New Brunswick	Isopropanol	67-63-0	8-Hour TWA: 983 mg/m ³ (400 ppm)
	Isopropanol	67-63-0	15-Minute STEL: 1230 mg/m ³ (500 ppm)
	Ethylene Glycol Monobutyl Ether (2-Butoxyethanol)	111-76-2	8-Hour TWA: 121 mg/m ³ (25 ppm)

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 stations and safety showers should be available in the immediate vicinity of use or handling. Provide adequate ventilation to maintain the airborne concentrations of vapor, mists, and/or dusts below the applicable workplace exposure limits, while observing recognized national standards (or equivalent).

Personal protection equipment

Eye and face protection:

Safety glasses or goggles. Use eye protection equipment that has been tested and approved by recognized national standards (or equivalent).

Skin and body protection:

Chemical resistant, impervious gloves approved by the appropriate standards. Gloves must be inspected prior to use. Avoid skin contact with used gloves. Appropriate techniques should be used to remove used gloves and contaminated clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Ensure that all personal protective equipment is approved by recognized national standards (or equivalent).

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Respiratory protection:

If engineering controls do not maintain airborne concentrations below the applicable workplace exposure limits, or to an acceptable level (if exposure limits have not been established), a respirator approved by recognized national standards (or equivalent) must be worn.

General hygienic measures:

When handling chemical products, do not eat, drink or smoke. Wash hands after handling, before breaks, and at the end of the workday. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Perform routine housekeeping.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance (physical state, color):	Clear Liquid on a white towellette
Odor:	Alcohol
Odor threshold:	0.001 ppm (ethylene glycol monobutyl ether)
pH-value:	11.0-12.49
Melting/Freezing point:	Not determined or not available.
Boiling point/range:	Not determined or not available.
Flash point:	64°C (147°F)
Evaporation rate:	Not determined or not available.
Flammability (solid, gaseous):	Not determined or not available.
Explosion limit upper:	12.7%
Explosion limit lower:	2%
Vapor pressure:	43.3 mmHg @ 20C (isopropanol)
Vapor density:	2.1 (isopropanol)
Density:	Not determined or not available.
Relative density:	0.972
Solubilities:	Completely Soluble In Water
Partition coefficient (n-octanol/water):	Not determined or not available.
Auto/Self-ignition temperature:	Not determined or not available.
Decomposition temperature:	Not determined or not available.
Dynamic viscosity:	Not determined or not available.
Kinematic viscosity:	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

Other information

SECTION 10: Stability and reactivity

Reactivity:

Not reactive under recommended handling and storage conditions.

Chemical stability:

Stable under recommended handling and storage conditions.

Possibility of hazardous reactions:

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Hazardous reactions are not anticipated under recommended conditions of handling and storage.

Conditions to avoid:

Extreme heat, open flames, hot surfaces, sparks, ignition sources, static electricity and incompatible materials. Vapor accumulation in low or confined areas.

Incompatible materials:

Strong oxidizing agents, acids and strong alkalis.

Hazardous decomposition products:

Thermal decomposition will produce carbon monoxide, carbon dioxide, nitrogen oxides, amines, chlorine and hydrogen chloride.

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
Isopropanol	oral	LD50 Rat: 5840 mg/kg
	dermal	LD50 Rabbit: 12,800 mg/kg
Ethylene Glycol Monobutyl Ether (2-Butoxyethanol)	oral	LD50 Rat: 470 mg/kg
	dermal	LD50 Rabbit: 220 mg/kg
	inhalation	LC50 Rat: 450 ppmV (4 hr)
	Oral ATE	LD50 Rat: 1200 mg/kg
Diisobutylphenoxyethoxyethyl dimethylbenzylammonium chloride	oral	LD50 Rat: 295 mg/kg

Skin corrosion/irritation

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

Product data:

No data available.

Substance data:

Name	Result
Ethylene Glycol Monobutyl Ether (2-Butoxyethanol)	Causes skin irritation
Diisobutylphenoxyethoxyethyl dimethylbenzylammonium chloride	Causes severe skin burns.

Serious eye damage/irritation

Assessment:

Causes serious eye irritation.

Product data:

No data available.

Substance data:

Name	Result
Isopropanol	Causes serious eye irritation.

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Name	Result
Ethylene Glycol Monobutyl Ether (2-Butoxyethanol)	Causes serious eye irritation
Diisobutylphenoxyethoxyethyl dimethylbenzylammonium chloride	Causes serious eye damage.

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):

Name	Classification
Isopropanol	Group 3
Ethylene Glycol Monobutyl Ether (2-Butoxyethanol)	Group 3

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

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

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

Product data:

No data available.

Substance data:

Name	Result
Isopropanol	May cause drowsiness or dizziness.

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

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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:

Inhalation, Ingestion, Skin contact, Eye contact.

Symptoms related to the physical, chemical and toxicological characteristics:

Refer to Section 4 of this SDS.

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
Ethylene Glycol Monobutyl Ether (2-Butoxyethanol)	EC50 Daphnia magna: 1,550 mg/L (48 hr)
	LC50 Oncorhynchus mykiss: 1,474 mg/L (96 hr)
Diisobutylphenoxyethoxyethyl dimethylbenzylammonium chloride	LC50 Oncorhynchus mykiss: 1.15 mg/L (96 hr)
	EC50 Daphnia magna: 0.22 mg/L (48 hr)
	EC50 Pseudokirchneriella subcapitata: 0.12 mg/L (72 hr)

Chronic (long-term) toxicity

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

Product data: No data available.

Substance data:

Name	Result
Ethylene Glycol Monobutyl Ether (2-Butoxyethanol)	NOEC Danio rerio: > 100 mg/L (21 d)
	NOEC Daphnia magna: 100 mg/L (21 d)
Diisobutylphenoxyethoxyethyl dimethylbenzylammonium chloride	NOEC Pseudokirchneriella subcapitata: 0.038 mg/L (72 hr)

Persistence and degradability

Product data: No data available.

Substance data:

Name	Result
Isopropanol	Readily biodegradable in water.
Ethylene Glycol Monobutyl Ether (2-Butoxyethanol)	Readily biodegradable (90.4% degradation after 28 days).
Diisobutylphenoxyethoxyethyl dimethylbenzylammonium chloride	Under test conditions, no biodegradation observed (0% degradation after 28 days).

Bioaccumulative potential

Product data: No data available.

Substance data:

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Name	Result
Isopropanol	Not expected to bioaccumulate (log Kow: 0.05).
Ethylene Glycol Monobutyl Ether (2-Butoxyethanol)	Not expected to bioaccumulate (log Kow = 0.83).
Diisobutylphenoxyethoxyethyl dimethylbenzylammonium chloride	Has the potential to bioaccumulate (log Kow = 4.0).

Mobility in soil

Product data: No data available.

Substance data: No data available.

Results of PBT and vPvB assessment

Product data:

PBT assessment: This product does not contain any substances that are assessed to be a PBT.

vPvB assessment: This product does not contain any substances that are assessed to be a vPvB.

Substance data:

PBT assessment:

Isopropanol	This substance is not PBT.
Ethylene Glycol Monobutyl Ether (2-Butoxyethanol)	This substance is not PBT.

vPvB assessment:

Isopropanol	This substance is not vPvB.
Ethylene Glycol Monobutyl Ether (2-Butoxyethanol)	This substance is not vPvB.

Other adverse effects: No data available.

SECTION 13: Disposal considerations

Disposal methods:

Do not reuse towelette. Dispose of used towelette in trash. Do not flush wipes down toilet.

Contaminated packages:

Do not reuse or refill this container. Offer for recycling, if available. If recycling is not available, discard in trash.

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)

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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): All ingredients are listed or exempt.

Non-domestic substances list (NDSL): None of the ingredients are listed.

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.

Initial preparation date: 08.03.2021

Revision Notes:

Revision Date	Notes
2021-08-03	Version 2

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End of Safety Data Sheet