

SAFETY DATA SHEETS

This SDS packet was issued with item:

070852715

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

071030337

Safety Data Sheet

According to Canadian Hazardous Products Regulations and WHMIS 2015

Initial preparation date: 01.11.2016

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Patterson K-Spray Handpiece Lubricant

SECTION 1: Identification

Product identifier

Product name: Patterson K-Spray Handpiece Lubricant

Trade Name: Patterson K-Spray Handpiece Lubricant

Product code: 070852715



Recommended use of the product and restriction on use

Relevant identified uses: Maintenance spray for dental hand pieces.

Uses advised against: Not determined or not applicable.

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:

Flammable aerosols, category 1

Label elements

Hazard pictograms:



Signal word: Danger

Hazard statements:

H222 Extremely flammable aerosol.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

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

P211 Do not spray on an open flame or other ignition source.

P251 Pressurized container. Do not pierce or burn, even after use.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Hazards not otherwise classified: None

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SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 106-97-8	Butane	1-5
CAS number: 74-98-6	Propane	5-15
CAS number: 75-28-5	Isobutane	50-75
CAS number: 8042-47-5	White mineral oil (petroleum)	10-20

Additional Information: None

SECTION 4: First-aid measures

Description of first-aid measures

General notes:

Not determined or not available.

After inhalation:

Loosen clothing as necessary and position individual in a comfortable position

Get medical advice/attention if you feel unwell

Maintain an unobstructed airway

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

Get medical advice/attention

Continue rinsing

Remove contact lenses, if present and easy to do

After ingestion:

Get medical advice/attention if you feel unwell

Do not induce vomiting

Rinse mouth and then drink plenty of water

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Irritation

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.

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SECTION 5: Fire-fighting measures

Extinguishing media

Suitable extinguishing media:

Use dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam

Unsuitable extinguishing media:

Not determined or not applicable.

Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors

Contents under pressure

In a fire or if heated, a pressure increase will occur and the container may burst or explode

Liquid is volatile and may generate an explosive atmosphere

Vapors can flow to distant ignition sources and flashback

Special protective equipment for firefighters:

Wear protective eye wear, gloves and clothing

Refer to Section 8

Fire-fighters should wear self-contained breathing apparatus

Special precautions:

Shut off sources of ignition

Avoid contact with skin, eyes and clothing

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

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation

Ensure air handling systems are operational

Beware of vapors accumulating to form explosive concentrations

Vapors can accumulate in low areas

Environmental precautions:

Prevent from reaching drains, sewer or waterway

Should not be released into the environment

Methods and material for containment and cleaning up:

Always obey local regulations

Keep in suitable closed containers for disposal

Wear protective eye wear, gloves and clothing

Use spark-proof tools and explosion-proof equipment

If necessary use trained response staff or contractor

Sweep or scoop up solid material while minimizing dust generation

Absorb liquid spill with vermiculite or other inert material

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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Take precautionary measures against electrostatic discharges.
Use only non-sparking tools.
Do not puncture, crush or incinerate containers, even when empty.
Avoid contact with skin, eyes and clothing.
Use only with adequate ventilation.
Follow good hygiene procedures when handling chemical materials.

Conditions for safe storage, including any incompatibilities:

Store locked up.
Store in a cool, well-ventilated area.
Keep away from all ignition sources: open flames, hot surfaces, direct sunlight, spark sources.
Keep container tightly sealed.
Use appropriate containment to avoid environmental contamination.
Protect from freezing and physical damage.
Store away from incompatible materials.
Store away from foodstuffs.
Store cylinders upright.
Use equipment rated for cylinder pressure.

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
ACGIH	Propane	74-98-6	ACGIH TWA: 1,000.0 ppm
	Butane	106-97-8	ACGIH STEL: 1,000 ppm
	Butane	106-97-8	ACGIH TWA: 1,000 ppm
United States (OSHA)	Propane	74-98-6	OSHA TWA 1,000 ppm 1,800 mg/m ³
	Isobutane	75-28-5	OSHA PEL (TWA): 1,000 ppm
NIOSH	Propane	74-98-6	NIOSH TWA 1,000 ppm 1,800 mg/m ³
	Butane	106-97-8	NIOSH TWA 800 ppm 1,900 mg/m ³

Biological limit values:

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

Information on monitoring procedures:

Not determined or not applicable.

Appropriate engineering controls:

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.
Use explosion-proof ventilation equipment.
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:

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Select glove material impermeable and resistant to the substance.
Select glove material based on rates of diffusion and degradation.
Wear appropriate clothing to prevent any possibility of skin contact.

Respiratory protection:

When necessary, use NIOSH-approved breathing equipment.

General hygienic measures:

Wash contaminated clothing before reusing.
Perform routine housekeeping.
Avoid contact with skin, eyes and clothing.
Wash hands before breaks and at the end of work.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance (physical state, color):	Aerosol
Odor:	Odorless
Odor threshold:	Not determined
pH-value:	Not determined
Melting/Freezing point:	~ -159°C
Boiling point/range:	~ -11.7°C
Flash point:	- 80°C
Evaporation rate:	Not determined
Flammability (solid, gaseous):	Extremely flammable
Explosion limit upper:	11.2%
Explosion limit lower:	1.8%
Vapor pressure:	3 Bar at 20°C
Vapor density:	Not determined
Density:	0.853 g/ml
Relative density:	Not determined
Solubilities:	Not determined or not available.
Partition coefficient (n-octanol/water):	Not determined
Auto/Self-ignition temperature:	350°C
Decomposition temperature:	Not determined
Dynamic viscosity:	Not determined
Kinematic viscosity:	Not determined
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or 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.

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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
White mineral oil (petroleum)	oral	LD50: Rat - > 5,000 mg/kg
	dermal	LD50: Rabbit - > 2,000 mg/kg
	inhalation	LC50: Rat - 4 h - > 5 mg/l
Butane	inhalation	LC50 Rat 4h 658,000 mg/m ³

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

Product data: No data available.

Substance data: No data available.

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

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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: No data available.

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
White mineral oil (petroleum)	Daphnia magna (Water flea) - > 100 mg/l - 48 h
	Oncorhynchus mykiss (rainbow trout) - > 100 mg/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: No data available.

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:

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

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according to applicable regulatory entities

SECTION 14: Transport information


Canadian Transportation of Dangerous Goods (TDG)

UN number	1950
UN proper shipping name	Aerosols, flammable, n.o.s. (Isobutane, White mineral oil)
UN transport hazard class(es)	2.1 
Packing group	II
Environmental hazards	None
Special precautions for user	None

International Maritime Dangerous Goods (IMDG)

UN number	1950
UN proper shipping name	Aerosols, flammable, n.o.s. (Isobutane, White mineral oil)
UN transport hazard class(es)	2.1 
Packing group	II
Environmental hazards	None
Special precautions for user	None

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

UN number	1950
UN proper shipping name	Aerosols, flammable, n.o.s. (Isobutane, White mineral oil)
UN transport hazard class(es)	2.1 
Packing group	II
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): Not determined.

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

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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. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.

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. The information contained herein is, to the best of our knowledge and belief, accurate.

NFPA: 2-4-0-0

HMIS: 2-4-0-X

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End of Safety Data Sheet