

Safety data sheet

Version: 01.00

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name: PREVAL SPRAY GUN POWER UNIT

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended uses: Paint

1.3. Details of the supplier of the safety data sheet

Distributor:	Chicago Aerosols - Bridgeview Facility 8407 South 77 th Avenue 60455 Bridgeview, IL 60455 USA	Smits Group 59-65 Greenmount Drive, East Tamaki, Auckland 2103 New Zealand Ph: 09 274 6871 Fax: 09 274 0991 smitsgroupinfo@smitsgroup.co.nz
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1.4. Emergency telephone number	For Australia Ring Poisons Information Centre: 13 11 26	For New Zealand Ring NZ Poisons Centre 03 4747000 or 0800 764766 Available 24 Hours
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-classification	Aerosol 1 Aerosol 1
Most serious harmful effects:	Extremely flammable aerosol. Pressurised container: May burst if heated. The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication.

2.2. Label elements



Signal word: Danger

HSNO Classification:	2.1.2A
HSNO Approval Code:	HSR002515 Aerosols Flammable

H-phrases:	Extremely flammable aerosol. Pressurised container: May burst if heated.
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P-phrases:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
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2.3. Other hazards

None

Dangerous Goods	Classified as a Dangerous Good according to NZS5433:1999 Transport of Dangerous Goods on Land.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Registration number	CAS/EC No.	Substance	w/w%	Note
.	115-10-6	dimethyl ether	50	.
.	75-28-5-A	Isobutane (containing < 0.1 % butadiene)	28,5	.
.	74-98-6-b	propane	21,5	.

Other information: Any letters after the CAS number refer to individual data sets.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:	Seek fresh air. Seek medical advice in case of persistent discomfort.
Ingestion:	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.
Skin:	Seek medical advice immediately if symptoms indicate that the gas has been absorbed through the skin. On frostbite: rinse with plenty of lukewarm water (max 37°C). Do not remove clothes until thawed. Seek medical advice.
Eyes	Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.
Burns:	Flush with water until pain ceases. Remove clothing that is not stuck to the skin – seek medical advice/transport to hospital. If possible, continue flushing until medical attention is obtained.
Other information:	When obtaining medical advice, show the safety data sheet or label.

4.2. Most important symptoms and effects, both acute and delayed

Direct contact may cause frostbite. The skin becomes numb and white. Pains, reddening and wounds follow. The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptoms. No special immediate treatment required.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with powder, foam, carbon dioxide or water mist. Use water or water mist to cool non-ignited stock.
Unsuitable extinguishing media	Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

CAUTION! Aerosol containers may explode. Heating will cause a rise in pressure in packaging with a risk of bursting. Can generate harmful flue gases containing carbon monoxide in the event of fire. Explosive mixtures may form with air when heated/exposed to fire.

5.3. Advice for firefighters

If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.
HazChem Code: 2T (White T on black background)

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:	Provide adequate ventilation. Smoking and naked flames prohibited. Wear gloves.
For emergency responders:	In addition to the above: Normal protective clothing is recommended.

6.2. Environmental precautions

Avoid unnecessary release to the environment.

6.3. Methods and material for containment and cleaning up

Provide good ventilation.

6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Running water and eye wash equipment should be available. The product should be used under well-ventilated conditions and preferably under process ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Store safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Do not expose to heat (e.g. sunlight). Store in a well-ventilated area.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits:

Ingredient:	Exposure limit	Comments
dimethyl ether	TWA 400 ppm, 760 mg/m ³ STEL 500 ppm, 950 mg/m ³	

Legal basis: Workplace exposure standards for airborne contaminants. (date of effect: 18 April 2013)

Measuring methods: Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection: Not required.

Personal protective equipment, skin protection: Plastic or rubber gloves recommended.

Personal protective equipment, respiratory protection: In case of insufficient ventilation, wear respiratory protective equipment. Filter type: AX.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State:	Aerosol
Colour:	Clear
Odour:	Weak Solvent
Odour threshold:	No data
pH (solution for use):	No data
pH (concentrate):	No data
Melting point/freezing point:	No data
Initial boiling point and boiling range:	Min. -42,2 °C Max. -11,7 °C
Flash point:	-104,4 °C
Evaporation rate:	>1 (ethyl ether =1)
Flammability (solid, gas):	No data
Upper/lower flammability limits:	No data
Upper/lower explosive limits:	1,8 vol%
Vapour pressure:	524 kPa gauge @ 21,1 °C
Vapour density:	1,8
Relative density:	0,6
Solubility:	No data
Partition coefficient	No data

n-octanol/water:	
Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	No data
Explosive properties:	No data
Oxidising properties:	No data

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with the following: Strong oxidisers/ Acids/ Metals.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

Product vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

10.4. Conditions to avoid

Avoid heating and contact with ignition sources.

10.5. Incompatible materials

Strong oxidisers/ Acids/ Metals.

10.6. Hazardous decomposition products

Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral:	The product does not have to be classified. Test data are not available. Spray mist in mouth may irritate mucous membranes in mouth and throat.
Acute toxicity - dermal:	The product does not have to be classified. Test data are not available.
Acute toxicity - inhalation:	The product does not have to be classified. Test data are not available.
Skin corrosion/irritation:	May cause slight irritation. The product does not have to be classified. Test data are not available.
Serious eye damage/eye irritation:	May cause eye irritation. The product does not have to be classified. Test data are not available.
Respiratory sensitisation or skin sensitisation:	The product does not have to be classified. Test data are not available.
Germ cell mutagenicity:	The product does not have to be classified. Test data are not available.
Carcinogenic properties:	The product does not have to be classified. Test data are not available.
Reproductive toxicity:	The product does not have to be classified. Test data are not available.
Single STOT exposure:	Inhalation of vapours/spray mist may cause irritation to the upper airways. The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. The product does not have to be classified. Test data are not available.
Repeated STOT exposure:	The product does not have to be classified. Test data are not available.
Aspiration hazard:	The product does not have to be classified. Test data are not available.

Other toxicological effects: None known.

SECTION 12: Ecological information

12.1. Toxicity

The product does not have to be classified. Test data are not available.

12.2. Persistence and degradability

Potentially degradable.

12.3. Bioaccumulative potential

No bioaccumulation expected.

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Avoid unnecessary release to the environment.

Do not dispose of aerosol sprays in refuse collection, even when empty. The sprays must be sent to the municipal chemical waste collection facility with the specifications set out below.

SECTION 14: Transport information

ADR/RID

Dangerous Goods Classified as a Dangerous Good according to NZS5433:1999
Transport of Dangerous Goods on Land.

14.1. UN number 1950

14.2. UN proper shipping name AEROSOLS

14.3. Transport hazard class(es) 2.1

14.4. Packing group -

Hazard identification number -

Tunnel restriction code: D

14.5. Environmental hazards The product should not be labelled as an environmental hazard (symbol: fish and tree).

ADN

14.1. UN number 1950

14.2. UN proper shipping name AEROSOLS

14.3. Transport hazard class(es) 2.1

14.4. Packing group -

14.5. Environmental hazards The product should not be labelled as an environmental hazard (symbol: fish and tree).

Transport in tank vessels:

IMDG

14.1. UN number 1950

14.2. UN proper shipping name AEROSOLS

14.3. Transport hazard class(es)

	2.1
14.4. Packing group	-
14.5. Environmental hazards	The product is not a Marine Pollutant (MP).
ICAO/IATA	
14.1. UN number	1950
14.2. UN proper shipping name	AEROSOLS, FLAMMABLE
14.3. Transport hazard class(es)	2.1
14.4. Packing group	-
14.5. Environmental hazards	The product should not be labelled as an environmental hazard (symbol: fish and tree).
14.6. Special precautions for user	
	HazChem Code: 2T (White T on black background)
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	
	Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Special provisions: None.

HSNO Classification: 2.1.2A
 HSNO Approval Code: HSR002515
 Aerosols Flammable

SECTION 16: Other information

Abbreviation explanations: PBT: Persistent, Bioaccumulative and Toxic
 vPvB: Very Persistent and Very Bioaccumulative
 STOT: Specific Target Organ Toxicity

Classification method: Calculation based on the hazards of the known components.

Training: A thorough knowledge of this safety data sheet should be a prerequisite condition.

Other information: This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with WHS regulations.

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KDC/ Bureau Veritas HSE Denmark A/S Birkemosevej 7, DK-6000 Kolding T: +45 75508811, F: +45 75508810, E-mail: infohse@dk.bureauveritas.com, Web: www.hse.bureauveritas.dk (Made in Toxido®) GHS

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