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Material Safety Data Sheet Cover-Sheet – This page provides additional New Zealand specific information for this product and must be read in conjunction with the Safety Data Sheet (SDS) attached

Product Name:	KaVo Spray 2112
Manufacturer:	KaVo Dental GmbH
SDS Expiry:	5 August 2030
Supplier Details:	Henry Schein New Zealand 243-249 Bush Road, Rosedale, Auckland, 0632 PO Box 101 140, North Shore, Auckland 0745 Ph. 0800 808 855 www.henryschein.co.nz
Emergency Contacts:	Poisons/Hazardous Chemical Info Centre – 0800POISON/0800764766 (24 Hours) Phone 111 for Fire, Ambulance or Police
HSNO Class/Category:	2 / 6
HSNO Group Standard:	Aerosols Flammable Group Standard 2020 HSR002515
Statements/Pictograms:	As per attached Safety Data Sheet (SDS)
Date Prepared:	This coversheet was prepared – January 2026

This SDS coversheet has been produced by Henry Schein NZ and has been prepared in accordance with NZ EPA advice on making overseas SDS compliant to HSNO Act. The above information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith, no warranty is implied with respect to the quality or the specifications of the product. Users must satisfy that the product is entirely suitable for their purpose. The SDS and this coversheet may be revised from time to time, please ensure you have a current copy.

KaVo Spray 2112

Safety Data Sheet

according to WHS Regulation

Revision date: 05.08.2025

Section 1 - Identification

Product identifier

KaVo Spray 2112

Other means of identification

KaVo Spray, KaVo Spray 2112 A

Recommended use of the chemical and restrictions on use

Use of the substance/mixture

Lubricating agent

Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals as listed in WHS Schedule 10

None

Details of manufacturer or importer

Manufacturer

Company name:	KaVo Dental GmbH	
Street:	Bismarckring 39	
Place:	D-88400 Biberach	
Telephone:	+49 (0) 7351 56 0	Telefax: + 49 (0) 7351 56 1488
E-mail:	sdb@kavo.com	
E-mail (Contact person):	support@gefahrstoff.com	
Internet:	www.kavo.com	
Responsible Department:	Questions concerning SDB: epos Software & Service AG	

Distributor

Company name:	KaVo Dental Australia PTY LTD
Street:	Level 32, 25 Martin Place
Place:	AUS-2000 Sydney NSW

Emergency phone number: Infotrac/GBK GmbH ID: 101616 +61-280735031
Infotrac/GBK GmbH ID: 101616 +64-98896587

Section 2 - Hazard(s) identification

Classification of the hazardous chemical

WHS 2021

Aerosols: Aerosol 1
Aspiration hazard: Asp. Tox. 1

Label elements, including precautionary statements

WHS 2021

Hazard components for labelling

White mineral oil (petroleum): 10 - < 30 %

Signal word: Danger

Pictograms:

flame; health hazard

Hazard statements

H222	Extremely flammable aerosol
H229	Pressurised container: may burst if heated
H304	May be fatal if swallowed and enters airways

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Other hazards

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.
The mixture contains the following substances fulfilling the PBT-/vPvB criteria according to REACH Annex XIII:
O,O,O-triphenyl phosphorothioate

Section 3 - Composition and information on ingredients

Mixtures

Relevant ingredients

CAS No	Chemical name	Quantity
75-28-5	isobutane	30 - < 60 %
8042-47-5	White mineral oil (petroleum)	10 - < 30 %
74-98-6	propane	< 10 %
106-97-8	butane	< 10 %

Section 4 - First aid measures

Description of necessary first aid measures

General information

First aider: Pay attention to self-protection! Remove persons to safety. Never give anything by mouth to an unconscious person or a person with cramps.

After inhalation

Remove person to fresh air and keep comfortable for breathing. In all cases of doubt, or when symptoms persist, seek medical advice.

After contact with skin

Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. When in doubt or if symptoms are observed, get medical advice.

After contact with eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Observe risk of aspiration if vomiting occurs. Call a physician in any case!

Symptoms caused by exposure

Headache, Nausea, Dizziness. May cause drowsiness or dizziness. Frequently or prolonged contact with skin

may cause dermal irritation.

Medical attention and special treatment

Treat symptomatically. Symptoms can occur only after several hours.

Section 5 - Firefighting measures

Suitable extinguishing equipment

Suitable extinguishing media

Carbon dioxide (CO2), Foam, Extinguishing powder. Water mist.
Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

Full water jet.

Specific hazards arising from the chemical

Extremely flammable aerosol. Vapours can form explosive mixtures with air. Heating causes rise in pressure with risk of bursting.
In case of fire may be liberated: Pyrolysis products, toxic (Carbon dioxide (CO2), Carbon monoxide, aldehydes, carbon black)

Special protective equipment and precautions for firefighters

In case of fire: Wear self-contained breathing apparatus. Full protective suit. In case of fire and/or explosion do not breathe fumes. Move undamaged containers from immediate hazard area if it can be done safely.
Hazchem code: -

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Section 6 - Accidental release measures

Personal precautions, protective equipment and emergency procedures

General advice

Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes.

For non-emergency personnel

Remove all sources of ignition. Provide adequate ventilation. Remove persons to safety. Use personal protection equipment.

For emergency responders

Wear personal protection equipment (refer to section 8).

Environmental precautions

Avoid release to the environment.
Prevent spread over a wide area (e.g. by containment or oil barriers). Ensure all waste water is collected and treated via a waste water treatment plant.

Methods and materials for containment and cleaning up

For containment

Stop leak if safe to do so. Cover drains.

For cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal.
Ventilate affected area.

Other information

Use non-sparking tools.
Clean contaminated articles and floor according to the environmental legislation.

Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

Section 7 - Handling and storage

Precautions for safe handling

Advice on safe handling

Observe instructions for use.
Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes.
Use personal protection equipment.

Advice on protection against fire and explosion

Do not spray on naked flames or any incandescent material. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Vapours can form explosive mixtures with air. Heating causes rise in pressure with risk of bursting.

Advice on general occupational hygiene

Take off contaminated clothing. Draw up and observe skin protection programme. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints on joint storage

Do not store together with: Oxidizing agent. Pyrophoric or self-heating substances. Food and feedingstuffs.

Further information on storage conditions

Protect against: frost. Protect against direct sunlight.

Section 8 - Exposure controls and personal protection

Exposure control measures

Workplace Exposure Standards (WES)

CAS No	Substance	ppm	mg/m³		Category	Origin
75-28-5	Butane: isobutane	1000	2370		STEL (15 min)	ACGIH-2024
106-97-8	Butane	800	1900		TWA (8 h)	WES
8012-95-1	Oil mist, refined mineral	-	5		TWA (8 h)	WES
74-98-6	Propane	-	-		Asphyxiant	WES

Additional advice on limit values

NZ:
CAS 106-97-8 Butane: TWA 800 ppm; 1900 mg/m³
CAS 8012-95-1 Oil mist, mineral: TWA 5 mg/m³; STEL 10 mg/m³

Exposure controls



Appropriate engineering controls

Provide adequate ventilation as well as local exhaustion at critical locations.

Individual protection measures, for example personal protective equipment (PPE)

Eye and face protection

Use eye protection according to EN 166.
Tightly sealed safety glasses.

Hand protection

Wear suitable gloves tested to EN374.
Protect skin by using skin protective cream.

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Protect skin by using skin protective cream.

Suitable material: NBR (Nitrile rubber)
Breakthrough time (maximum wearing time) 480 min. Thickness of the glove material: 0,45 mm

Skin protection

Wear suitable protective clothing. Take off immediately all contaminated clothing and wash it before reuse.

Respiratory protection

Respiratory protection necessary at: Vapour/aerosol or mist formation, insufficient ventilation, exceeding exposure limit values.
Suitable respiratory protection apparatus: Combination filtering device (EN 14387)
Filtering device with filter or ventilator filtering device of type: AX
Observe the wear time limits as specified by the manufacturer.

Thermal hazards

Wear anti-static footwear and clothing Flame-retardant protective clothing.

Environmental exposure controls

Avoid release to the environment.

Section 9 - Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	Liquid (Aerosol)
Colour:	light yellow
Odour:	characteristic
Odour threshold:	not determined

		Test method
Melting point/freezing point:	not determined	
Boiling point or initial boiling point and boiling range:	-40 °C	
Flammability:	Extremely flammable aerosol.	
Lower explosion limits:	0,9 vol. %	
Upper explosion limits:	10,8 vol. %	

Flash point:	-80 °C	
Auto-ignition temperature:	not determined	
Decomposition temperature:	not determined	
pH-Value:	not determined	DIN 19261
Viscosity / kinematic:	15,5 mm²/s	
Water solubility:	practically insoluble	
Solubility in other solvents		
not determined		
Partition coefficient n-octanol/water:	not determined	
Vapour pressure:	not determined	
Density (at 20 °C):	0,853 g/cm³	DIN 51757
Relative vapour density:	not determined	
Particle characteristics:	not applicable	

Other information

Information with regard to physical hazard classes

Explosive properties

Heating may cause an explosion. Vapours can form explosive mixtures with air.

Further Information

Relative density, Colour, Odour, Viscosity, pH : Data apply to the technically active substance.

Section 10 - Stability and reactivity

Reactivity

Extremely flammable aerosol.

Chemical stability

The product is stable under storage at normal ambient temperatures.

Possibility of hazardous reactions

Vapours can form explosive mixtures with air. Heating causes rise in pressure with risk of bursting.

Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Protect against: Frost. Take precautionary measures against static discharges.

Incompatible materials

Oxidizing agent. Pyrophoric or self-heating substances.

Hazardous decomposition products

In case of fire may be liberated: Pyrolysis products, toxic (Carbon dioxide (CO2), Carbon monoxide, aldehydes, carbon black)

Further information

Do not mix with other chemicals.

Section 11 - Toxicological information

Information on toxicological effects

Acute toxicity

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

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
8042-47-5	White mineral oil (petroleum)				
	oral	LD50 > 5000 mg/kg	Rat	Manufacturer	OECD 401

Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Eye damage/irritation: Based on available data, the classification criteria are not met.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

May be fatal if swallowed and enters airways

Information on possible routes of exposure

oral, Skin contact, Eye contact.
aerosol or mist formation: Inhalation

Information on other hazards

Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

Other information

No information available.

Interactive effects

No information available.

Section 12 - Ecological information

Ecotoxicity

Harmful to aquatic life with long lasting effects.

Persistence and degradability

The product has not been tested.

Bioaccumulative potential

The product has not been tested.

Mobility in soil

The product has not been tested.

Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

Other adverse effects

No information available.

Further information

Avoid release to the environment.

Section 13 - Disposal considerations

Disposal methods

Disposal recommendations

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Contaminated packaging

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself. Dispose of waste according to applicable legislation.

Section 14 - Transport information

Land transport (ADG)

UN number:	UN 1950
UN proper shipping name or technical name:	AEROSOLS
Transport hazard class:	2.1
Hazard label:	2.1
Special Provisions:	63 190 277 327 344 381
Limited quantity:	1 L
Excepted quantity:	E0

Marine transport (IMDG)

UN number or ID number:	UN 1950
UN proper shipping name or technical name:	AEROSOLS
Transport hazard class:	2.1
Packing group number:	-
Hazard label:	2.1

Marine pollutant:	-
Special Provisions:	63, 190, 277, 327, 344, 381, 959
Limited quantity:	1000 mL
Excepted quantity:	E0
EmS:	F-D, S-U

Air transport (ICAO-TI/IATA-DGR)

UN number or ID number:	UN 1950
UN proper shipping name or technical name:	AEROSOLS, FLAMMABLE
Transport hazard class:	2.1
Packing group number:	-
Hazard label:	2.1

Special Provisions:	A145 A167 A802	
Limited quantity Passenger:	30 kg G	
Passenger LQ:	Y203	
Excepted quantity:	E0	
IATA-packing instructions - Passenger:		203
IATA-max. quantity - Passenger:		75 kg
IATA-packing instructions - Cargo:		203
IATA-max. quantity - Cargo:		150 kg

Environmental hazards for transport purposes

ENVIRONMENTALLY HAZARDOUS: No

Special precautions for user

Warning: Flammable aerosol. Vapours can form explosive mixtures with air.

Maritime transport in bulk according to IMO instruments

not applicable

Additional information

Hazchem code: -

Section 15 - Regulatory information

National regulatory information

Employment restrictions:	Observe restrictions to employment for juveniles.
Poisons Schedule number (SUSMP):	not applicable
AIIC Inventory status:	CAS No. 75-28-5: listed CAS No. 106-97-8: listed CAS No. 8042-47-5: listed CAS No. 74-98-6: listed CAS No. 597-82-0: listed

Additional information

Observe in addition any national regulations!
NZ:
HSNO approval number: product: HSR002515
NZIoC:
CAS No. 75-28-5: listed
CAS No. 106-97-8: listed
CAS No. 8042-47-5: listed
CAS No. 74-98-6: listed
CAS No. 597-82-0: listed

Section 16 - Any other relevant information

Revision date:	05.08.2025
Revision No:	2,3

KaVo Spray 2112

Safety Data Sheet

according to WHS Regulation

Revision date: 05.08.2025

Key abbreviations or acronyms used

CAS: Chemical Abstracts Service
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
UN: United Nations
ATE: Acute Toxicity Estimates
BCF: Bio-Concentration Factor
STEL: Short-Term Exposure Limit
TWA: Time Weighted Average
VOC: Volatile Organic Compounds
DIN: Deutsches Institut für Normung e.V. (German Institute for Standardization)
EN: European Standard
ISO: International Organization for Standardization
IUCLID: International Uniform ChemicaL Information Database
LC50: Lethal Concentration, 50 %
LD50: Lethal Dose, 50 %
LL50: Lethal Loading, 50 %
OECD: Organisation for Economic Co-operation and Development
EC50: Effective Concentration 50 %
EL50: Effect Loading, 50 %
ErC50: Effective Concentration 50 %, growth rate
NOEC: No Observed Effect Concentration
ADG: Australian Dangerous Goods
DGR: Dangerous Goods Regulations
IATA: International Air Transport Association
IBC: Intermediate Bulk Container
ICAO: International Civil Aviation Organization
IE: Industrial Emissions
IMDG: International Maritime Code for Dangerous Goods
LQ: Limited Quantity
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
TI: Technical Instructions
AICIS: Australian Industrial Chemicals Introduction Scheme
SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons
NZIoC: New Zealand Inventory of Chemicals
HSNO: Hazardous Substances and New Organisms

Key literature references and sources for data

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations). (v.1.2, 2013)

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)