

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: Oxygenal 6

Manufacturer: KaVo Dental

SDS Expiry: 12 August 2026

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: 6

HSNO Group Standard: Dental Products Subsidiary Hazard Group Standard 2020
HSR002558

Statements/Pictograms: As per attached Safety Data Sheet (SDS)

Date Prepared: This coversheet was prepared – January 2024

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 Oxygenal 6



Safety Data Sheet

according to Hazardous Substances (Safety Data Sheets) Notice 2017

Page 1 of 9

Revision date: 12.08.2021

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

1.1. Product identifier

KaVo Oxygenal 6

Product code:

0.489.3451

Further trade names

Oxygenal

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

Use of the substance/mixture

The product is intended for professional use.

1.3. Details of the supplier of the safety data sheet

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	

Supplier

Company name:	Kavo Kerr Australia
	Level 4
Street:	7 Eden Park Drive
Place:	Macquarie Park, NSW 2113

1.4. Emergency telephone number: Infotrac/GBK GmbH +64-98896587

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

UN-GHS (Rev.7)

Hazard categories:
Serious eye damage/eye irritation: Eye Irrit. 2
Hazard Statements:
Causes serious eye irritation.

HSNO classification:
6.4A Causes eye irritation.

2.2. Label elements

UN-GHS (Rev.7)

Signal word: Warning

KaVo Oxygenal 6



Safety Data Sheet

according to Hazardous Substances (Safety Data Sheets) Notice 2017

Page 2 of 9

Revision date: 12.08.2021

Pictograms:



Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P264 Wash hands thoroughly after handling.

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

P332+P317 If skin irritation occurs: Get medical help.

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+P317 If eye irritation persists: Get medical help.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name	Quantity
7722-84-1	Hydrogen peroxide solution	5,5 - 6 %

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Move victim to fresh air. Put victim at rest and keep warm. If breathing is irregular or stopped, administer artificial respiration. Where appropriate artificial ventilation. If unconscious place in recovery position and seek medical advice. Observe risk of aspiration if vomiting occurs. When in doubt or if symptoms are observed, get medical advice.

After inhalation

Provide fresh air. If experiencing respiratory symptoms: Get medical advice/attention.

After contact with skin

After contact with skin, wash immediately with plenty of water. Take off contaminated clothing and wash it before reuse. In case of skin reactions, consult a physician.

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. Get medical advice/attention if you feel unwell.

Handling larger quantities: Call a physician immediately.

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

Irritating to eyes.

Following skin contact: slightly irritant

Safety Data Sheet

according to Hazardous Substances (Safety Data Sheets) Notice 2017

Page 3 of 9

Revision date: 12.08.2021

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

Non-flammable. In case of fire may be liberated: Gases/vapours, toxic.

5.3. Advice for firefighters

Fight fire with normal precautions from a reasonable distance. In case of fire: Wear self-contained breathing apparatus.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Move undamaged containers from immediate hazard area if it can be done safely. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Remove all sources of ignition. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Evacuate area. Remove persons to safety. Use personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and 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. Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated articles and floor according to the environmental legislation.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

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

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

Further information on handling

Clear contaminated areas thoroughly. Wash contaminated clothing prior to re-use.

7.2. Conditions for safe storage, including any incompatibilities

Safety Data Sheet

according to Hazardous Substances (Safety Data Sheets) Notice 2017

Page 4 of 9

Revision date: 12.08.2021

Requirements for storage rooms and vessels

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

Suitable container/equipment material: Stainless steel, Aluminium, plastic, Glass

Hints on joint storage

No information available.

Further information on storage conditions

Protect against: Frost, Light, UV-radiation/sunlight.

7.3. Specific end use(s)

The product is intended for professional use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

Occupational exposure limit values:

Hydrogen peroxide solution (CAS No. 7722-84-1): TWA 1 ppm - 1,4 mg/m³

Source: Workplace Exposure Standards and Biological Exposure Indices; 12-1 edition, November 2020

8.2. Exposure controls



Appropriate engineering controls

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

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Avoid contact with skin, eyes and clothes. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink. Keep away from food, drink and animal feedingstuffs.

Eye/face protection

Wear eye/face protection.

Hand protection

Wear suitable gloves.

Suitable material: Butyl caoutchouc (butyl rubber), NBR (Nitrile rubber), NR (natural rubber, natural latex), PE (polyethylene), FKM (fluoro rubber), PE/EVA, PVC (polyvinyl chloride)

Unsuitable material: CR (polychloroprene, chloroprene rubber), PVA (Polyvinyl alcohol)

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.

Skin protection

Wear suitable protective clothing.

Safety Data Sheet

according to Hazardous Substances (Safety Data Sheets) Notice 2017

Page 5 of 9

Revision date: 12.08.2021

Respiratory protection

Usually no personal respirative protection necessary.
In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	colourless, clear
Odour:	odourless
pH-Value:	3,0 - 4,0

Changes in the physical state

Melting point:	-6 °C
Boiling point or initial boiling point and boiling range:	103 °C
Flash point:	not applicable

Flammability

Solid:	not applicable
Gas:	not applicable

Explosive properties

No information available.

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Auto-ignition temperature:	not determined

Self-ignition temperature

Solid:	not applicable
Gas:	not applicable

Decomposition temperature:	not determined
----------------------------	----------------

Oxidizing properties

No information available.

Vapour pressure:	not determined
Density:	1,021 - 1,023 g/cm ³
Water solubility:	completely miscible

Solubility in other solvents

Soluble in: Ether, Ethanol

Partition coefficient n-octanol/water:	-1,36
Viscosity / dynamic: (at 0 °C)	1,77 mPa·s
Viscosity / kinematic:	not determined
Relative vapour density:	not applicable
Evaporation rate:	not applicable

9.2. Other information

Safety Data Sheet

according to Hazardous Substances (Safety Data Sheets) Notice 2017

Page 6 of 9

Revision date: 12.08.2021

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

In case of light influence: Oxidation (slow decomposition; Hydrogen peroxide: May intensify fire; oxidiser.)

Impurities may cause catalytic decomposition (see subsection 10.5).

10.3. Possibility of hazardous reactions

May cause decomposition by long-term light influence. (Oxidation; Hydrogen peroxide: May intensify fire; oxidiser.)

10.4. Conditions to avoid

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

Protect against: Frost, Light, UV-radiation/sunlight.

10.5. Incompatible materials

Avoid: Hazardous impurities.

10.6. Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
7722-84-1	Hydrogen peroxide solution				
	oral	ATE 500 mg/kg			
	dermal	LD50 > 2000 mg/kg	Rabbit	Manufacturer	
	inhalation vapour	ATE 11 mg/l			
	inhalation aerosol	ATE 1,5 mg/l			

Irritation and corrosivity

Causes serious eye irritation. (Specific concentration Limit for Hydrogen peroxide solution (Eye Irrit. 2): 5 - 8 %)

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

Following skin contact: slightly irritant

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

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

Safety Data Sheet

according to Hazardous Substances (Safety Data Sheets) Notice 2017

Page 7 of 9

Revision date: 12.08.2021

STOT-repeated exposure

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

Aspiration hazard

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

Practical experience

Other observations

No information available.

SECTION 12: Ecological information

12.1. Toxicity

The product is not: Ecotoxic.

12.2. Persistence and degradability

Hydrogen peroxide:

Degradation: not applicable; Photolysis (air)

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
7722-84-1	Hydrogen peroxide solution	-1,36

12.4. Mobility in soil

The product has not been tested.

12.5. Other adverse effects

No information available.

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

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

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (NZS 5433)

14.1. UN number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

Safety Data Sheet

according to Hazardous Substances (Safety Data Sheets) Notice 2017

Page 8 of 9

Revision date: 12.08.2021

14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

14.4. Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

14.4. Packing group: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information

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

National regulatory information

HSNO approval number:

Hydrogen peroxide solution: none

NZIoC

Hydrogen peroxide solution: Yes.

SECTION 16: Other information

Abbreviations and acronyms

ACGIH: American Conference of Governmental Industrial Hygienists

ICAO: International Civil Aviation Organization

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service

STEL: Short-term exposure limit

TWA: time-weighted average

TI: Technical Instructions

DGR: Dangerous Goods Regulations

UN: United Nations

ATE: Acute toxicity estimate

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

KaVo Oxygenal 6



Safety Data Sheet

according to Hazardous Substances (Safety Data Sheets) Notice 2017

Page 9 of 9

Revision date: 12.08.2021

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

VOC: Volatile Organic Compounds

NZIoC: New Zealand Inventory of Chemicals

HSNO: Hazardous Substances and New Organisms

NZS: New Zealand Standard

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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