

SAFETY DATA SHEET



Quadrant FiniSense

1. Identification of the substance/preparation and company/undertaking

Product name : **Quadrant FiniSense**

Emergency telephone number : Call local Poison Control Center for assistance.

Material uses : For desensitization of teeth.

Manufacturer : Cavex Holland
Harmenjansweg 19
PO Box 852
2003 RW Haarlem
The Netherlands

T +31 23 530 7700

E-Mail : dental@cavex.nl

F +31 23 535 6482

Website : www.cavex.nl

2. Composition/information on ingredients

Substance/preparation : Preparation

Chemical name*	CAS no.	%	EC number	Classification
2-Hydroxyethyl methacrylate stabelized	86877-9	30 - 40	212-782-2	Xi; R36/38 R43
glutaraldehyde	111-30-8	3 - 8	203-856-5	T; R23/25 C; R34 R42/43 N; R50
See section 16 for the full text of the R-phrases declared above				

Occupational exposure limits, if available, are listed in section 8.

3. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : R20/22- Harmful by inhalation and if swallowed.R37/38- Irritating to respiratory system and skin.R41- Risk of serious damage to eyes.R42/43- May cause sensitisation by inhalation and skin contact.

Effects and symptoms

Ingestion : Harmful if swallowed.

Skin contact : Irritating to skin. May cause skin sensitisation.

Eye contact : Risk of serious damage to eyes.

4. First-aid measures

First-aid measures

Ingestion : Get medical attention immediately. Wash out mouth with water.

Skin contact : Wash the contaminated skin gently and thoroughly with running water and non-abrasive soap.

Eye contact : Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention.

First aid facilities : Eyewash bottle with clean water.

5. Fire-fighting measures

Extinguishing media

Suitable : Use extinguishing media suitable for surrounding materials.

Not suitable : Not applicable.

Unusual fire/explosion hazards : None.

Hazardous thermal decomposition products : None.

Special fire-fighting procedures : No special measures required.

Protection of fire-fighters : No additional remark.

6. Accidental release measures

- Personal precautions** : PVA gloves Safety glasses. Lab coat.
Environmental precautions and clean-up methods : Absorb with liquid-binding material (sand, diatomite, universal binders etc.) or use a spill kit.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

- Handling** : Keep container closed. Manipulate in a well-ventilated area.
Storage : S3- Keep in a cool place.
Packaging materials
Suitable : Use original container.

8. Exposure controls/personal protection

- Engineering measures** : Manipulate in a well-ventilated area.
Hygiene measures : Not applicable.

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
2-Hydroxyethyl methacrylate stabelized	Nationale MAC-lijst (Netherlands, 2002). Skin sensitiser TGG: 0,24 mg/m ³ 8 hour/hours. Form: Vapour
glutaraldehyde	Nationale MAC-lijst (Netherlands, 2002). Skin sensitiser TGG: 0,25 mg/m ³ 8 hour/hours. Form: Vapour

Personal protective equipment

- Skin and body** : Lab coat.
Hands : Wear suitable gloves.
Eyes : Safety glasses.

9. Physical and chemical properties

- Physical state** : Liquid.
Colour : Colourless.
Odour : Aromatic.
Boiling point : 100°C (212°F)
Flash point : Not applicable.
Fire hazards in the presence of various substances : Non-flammable.
Vapour pressure : 23 hPa (17 mm Hg)
Density : 1.16 g/cm³ (20°C / 68°F)
Solubility : Soluble in water
Octanol/water partition coefficient : Not established
Vapour density : Not established

10. Stability and reactivity

- Stability** : The product is stable.
Conditions to avoid : No additional remark.
Hazardous decomposition products : None.

11. Toxicological information

Acute toxicity

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Quadrant FiniSense	LD50	>2000 mg/kg	Oral	Rat
2-Hydroxyethyl methacrylate stabelized	LD50	5050 mg/kg	Oral	Rat
glutaraldehyde	LD50	50 mg/kg	Oral	Guinea pig
	LC50	480 mg/m ³ (4 hour/hours)	Inhalation	Rat

Local effects

- Skin irritation** : Hazardous in case of skin contact (irritant).
Eye irritation : R41- Risk of serious damage to eyes.
Sensitisation : R42/43- May cause sensitisation by inhalation and skin contact.
Chronic toxicity : There is no known chronic effect after exposure to this product.

12. Ecological information

Ecotoxicity data

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
2-Hydroxyethyl methacrylate stabelized glutaraldehyde	Fish (LC50)	96 hour/hours	227 mg/l
	Fish (LC50)	96 hour/hours	10.8 mg/l
	Daphnia (EC50)	48 hour/hours	10 mg/l

Ecological information

<u>Ingredient name</u>	<u>Persistence/degradability</u>						<u>Bioaccumulative potential</u>		
	<u>BOD₅</u>	<u>COD</u>	<u>ThOD</u>	<u>Aquatic half-life</u>	<u>Photolysis</u>	<u>Biodegradability</u>	<u>LogP_{ow}</u>	<u>BCF</u>	<u>Potential</u>
glutaraldehyde	2.35 g O 2/g	1.39 g O 2/g	-	Not available.	Not available.	Not available.	Not available.	Not available.	Not available.

Mobility : Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Soil/water partition coefficient (K_{oc}) : Not established

13. Disposal considerations

Methods of disposal ; Waste residues information ; Contaminated packaging : Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Waste classification : Hazardous waste

European waste catalogue (EWC) : 18 01 06 Chemicals consisting of, or containing dangerous substances.

14. Transport information

International transport regulations

<u>Regulatory information</u>	<u>UN number</u>	<u>Proper shipping name</u>	<u>Class</u>	<u>Packing group</u>	<u>Label</u>	<u>Additional information</u>
ADR/RID Class	Not regulated.	-	-	-		-No dangerous cargo
ADNR Class	Not regulated.	-	-	-		-No dangerous cargo
IMDG Class	Not regulated.	-	-	-		-No dangerous cargo
IATA-DGR Class	Not regulated.	-	-	-		-No dangerous cargo

15. Regulatory information

EU regulations

Hazard symbol/symbols :



Harmful

Risk phrases :

R20- Harmful by inhalation.
R36/38- Irritating to eyes and skin.
R42/43- May cause sensitisation by inhalation and skin contact.

Safety phrases :

S23- Do not breathe [***].
S24- Avoid contact with skin.
S37- Wear suitable gloves.
S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Contains :

2-Hydroxyethyl methacrylate stabelized 212-782-2
glutaraldehyde 203-856-5

Product use :

For desensitization of teeth.

Tactile warning of danger :

Not applicable.

EU statistical classification (Tariff Code) :

32089091

National regulations

Remark : No additional remark.

16. Other information

Full text of R-phrases referred to in sections 2 and 3 - Netherlands : R23/25- Toxic by inhalation and if swallowed.
R20- Harmful by inhalation.
R34- Causes burns.
R36/38- Irritating to eyes and skin.
R42/43- May cause sensitisation by inhalation and skin contact.
R43- May cause sensitisation by skin contact.
R50- Very toxic to aquatic organisms.

Full text of classifications referred to in sections 2 and 3 - Netherlands : T - Toxic
C - Corrosive
Xn - Harmful
Xi - Irritant
N - Dangerous for the environment.

History

Date of printing : 15-3-2006.

Date of issue : 15-3-2006.

Version : 1.1

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Version 1.1

Page: 4/4