1 Identification

- **Product identifier**
  - **Trade name:** Quadrant FiniSense
  - **Relevant identified uses of the substance or mixture and uses advised against:**
  No further relevant information available.

- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:**
    Cavex Holland B.V.
    Fustweg 5
    2031 CJ Haarlem
    T +31 23 530 7700 E-Mail : dental@cavex.nl
    The Netherlands
  - **Website:** www.cavex.nl
  - **Further information obtainable from:** Product safety department
  - **Emergency telephone number:** During normal opening times: +31 23 530 - 7700

2 Hazard(s) Identification

- **Classification of the substance or mixture**
  - **GHS label elements**
    The product is classified and labelled according to the Globally Harmonised System (GHS).
  - **Hazard pictograms**
    2-hydroxyethyl methacrylate
    Glutaral

  - **Signal word** Danger
  - **Hazard-determining components of labelling:**
    2-hydroxyethyl methacrylate
    Glutaral
Safety Data Sheet
according to WHS Regulations

Trade name: Quadrant FiniSense

• Hazard statements
  Causes skin irritation.
  Causes serious eye damage.
  May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  May cause an allergic skin reaction.
  May cause respiratory irritation.

• Precautionary statements
  If medical advice is needed, have product container or label at hand.
  Keep out of reach of children.
  Read label before use.
  In case of inadequate ventilation wear respiratory protection.
  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  Immediately call a POISON CENTER/doctor.
  Specific treatment (see on this label).
  Store locked up.
  Dispose of contents/container in accordance with local/regional/national/international regulations.

• Other hazards
  Results of PBT and vPvB assessment
  PBT: Not applicable.
  vPvB: Not applicable.

3 Composition and Information on Ingredients

• Chemical characterisation: Mixtures
  • Description: Mixture of substances listed below with nonhazardous additions.

  • Dangerous components:

    | Chemical | Hazard Class | Content |
    |----------|-------------|---------|
    | 868-77-9 | Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 | 20-40% |
    | 111-30-8 | Acute Tox. 3, H301; Acute Tox. 2, H330; Resp. Sens. 1, H334; Skin Corr. 1, H314; Skin Sens. 1A, H317; STOT SE 3, H335; Flam. Liq. 4, H227 | ≥5-<7.5% |

  • Additional information: For the wording of the listed hazard phrases refer to section 16.

4 First Aid Measures

• Description of first aid measures
  • General information: Immediately remove any clothing soiled by the product.
  • After inhalation:
    Supply fresh air and to be sure call for a doctor.
    In case of unconsciousness place patient stably in side position for transportation.
  • After skin contact:
    Immediately wash with water and soap and rinse thoroughly.
  • After eye contact:
    Rinse opened eye for several minutes under running water. Then consult a doctor.
  • After swallowing:
    If symptoms persist consult doctor.
  • Information for doctor:
    Most important symptoms and effects, both acute and delayed: No further relevant information available.
    Indication of any immediate medical attention and special treatment needed:
    No further relevant information available.

5 Fire Fighting Measures

• Extinguishing media
  • Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
  • Special hazards arising from the substance or mixture:
    No further relevant information available.
6 Accidental Release Measures

· Personal precautions, protective equipment and emergency procedures
  Wear protective equipment. Keep unprotected persons away.

· Environmental precautions:
  Do not allow product to reach sewage system or any water course.
  Inform respective authorities in case of seepage into water course or sewage system.

· Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Use neutralising agent.
  Dispose contaminated material as waste according to item 13.
  Ensure adequate ventilation.

· Reference to other sections
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

7 Handling and Storage

· Handling:
  · Precautions for safe handling
    Ensure good ventilation/exhaustion at the workplace.
    Prevent formation of aerosols.

· Information about fire - and explosion protection: No special measures required.

· Conditions for safe storage, including any incompatibilities

· Storage:
  · Requirements to be met by storerooms and receptacles: No special requirements.
  · Information about storage in one common storage facility: Not required.
  · Further information about storage conditions: Keep container tightly sealed.

· Specific end use(s) No further relevant information available.

8 Exposure controls and personal protection

· Additional information about design of technical facilities: No further data; see item 7.

· Control parameters

· Ingredients with limit values that require monitoring at the workplace:

  111-30-8 glutaral
  WES Peak limitation: 0.41 mg/m³, 0.1 ppm
  Sen

· Additional information: The lists valid during the making were used as basis.

· Exposure controls
  · General protective and hygienic measures:
    Keep away from foodstuffs, beverages and feed.
    Immediately remove all soiled and contaminated clothing.
    Wash hands before breaks and at the end of work.
    Avoid contact with the skin.
    Avoid contact with the eyes and skin.
Respiratory protection:
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

9 Physical and Chemical Properties

Information on basic physical and chemical properties

General Information

Appearance:
- Form: Fluid
- Colour: Colourless
- Odour: Aromatic
- Odour threshold: Not determined.

pH-value at 20 °C:
4

Change in condition
- Melting point/freezing point: Undetermined.
- Initial boiling point and boiling range: 100 °C

Flash point:
Not applicable.

Flammability (solid, gas):
Not applicable.

Decomposition temperature:
Not determined.

Auto-ignition temperature:
Product is not selfigniting.

Explosive properties:
Product does not present an explosion hazard.

Explosion limits:
- Lower: Not determined.
- Upper: Not determined.

Vapour pressure:
Not determined.

Density at 20 °C:
1.16 g/cm³

Relative density
Not determined.
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- Vapour density: Not determined.
- Evaporation rate: Not determined.

- Solubility in / Miscibility with water: Not miscible or difficult to mix.

- Partition coefficient: n-octanol/water: Not determined.

- Viscosity:
  - Dynamic: Not determined.
  - Kinematic: Not determined.

- Solvent content:
  - Water: 59.0 %
  - VOC (EC): 0.00 %

- Other information: No further relevant information available.

10 Stability and Reactivity

- Reactivity: No further relevant information available.
- Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions: No dangerous reactions known.
- Conditions to avoid: No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological Information

- Information on toxicological effects
- Acute toxicity
- LD/LC50 values relevant for classification:

  111-30-8 glutaral
  - Oral LD50: 134 mg/kg (rat)
  - Dermal LD50: 2,560 mg/kg (rabbit)

- Primary irritant effect:
- Skin corrosion/irritation: Irritant to skin and mucous membranes. Based on available data, the classification criteria are not met.
- Serious eye damage/irritation: Strong irritant with the danger of severe eye injury.
- Respiratory or skin sensitisation
  - Sensitisation possible through inhalation.
  - Sensitisation possible through skin contact.
- Additional toxicological information:
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
  - Harmful
  - Irritant

12 Ecological Information

- Toxicity
  - Aquatic toxicity: No further relevant information available.
  - Persistence and degradability: No further relevant information available.
  - Behaviour in environmental systems:
  - Bioaccumulative potential: No further relevant information available.
Trade name: Quadrant FiniSense

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Mobility in soil: No further relevant information available.

Additional ecological information:

General notes:
Not hazardous for water.
Must not reach sewage water or drainage ditch undiluted or unneutralised.

Results of PBT and vPvB assessment:
PBT: Not applicable.
vPvB: Not applicable.

Other adverse effects: No further relevant information available.

13 Disposal considerations

Waste treatment methods

Recommendation:
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

14 Transport information

UN-Number
ADG, ADN, IMDG, IATA: not regulated

UN proper shipping name
ADG, ADN, IMDG, IATA: not regulated

Transport hazard class(es)
ADG, ADN, IMDG, IATA: not regulated

Class
ADG, IMDG, IATA: not regulated

Packing group
ADG, IMDG, IATA: not regulated

Environmental hazards: Not applicable.

Special precautions for user
Not applicable.

Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable.

UN "Model Regulation": not regulated

15 Regulatory information

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

Australian Inventory of Chemical Substances
All ingredients are listed.

Standard for the Uniform Scheduling of Medicines and Poisons
868-77-9 2-hydroxyethyl methacrylate S5
111-30-8 glutaral S2, S5, S6

Australia: Priority Existing Chemicals
111-30-8 glutaral

GHS label elements
The product is classified and labelled according to the Globally Harmonised System (GHS).
51.0.11

· Hazard pictograms

GHS05  GHS07  GHS08

· Signal word Danger

· Hazard-determining components of labelling:
  2-hydroxyethyl methacrylate
  glutaral

· Hazard statements
  Causes skin irritation.
  Causes serious eye damage.
  May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  May cause an allergic skin reaction.
  May cause respiratory irritation.

· Precautionary statements
  If medical advice is needed, have product container or label at hand.
  Keep out of reach of children.
  Read label before use.
  In case of inadequate ventilation wear respiratory protection.
  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  Immediately call a POISON CENTER/doctor.
  Specific treatment (see on this label).
  Store locked up.
  Dispose of contents/container in accordance with local/regional/national/international regulations.

· Directive 2012/18/EU
  · Named dangerous substances - ANNEX I None of the ingredients is listed.
  · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases
  H227 Combustible liquid.
  H301 Toxic if swallowed.
  H314 Causes severe skin burns and eye damage.
  H315 Causes skin irritation.
  H317 May cause an allergic skin reaction.
  H319 Causes serious eye irritation.
  H330 Fatal if inhaled.
  H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  H335 May cause respiratory irritation.

· Department issuing SDS: Product safety department

· Contact:

· Abbreviations and acronyms:
  ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  IMDG: International Maritime Code for Dangerous Goods
  IATA: International Air Transport Association
  EINECS: European Inventory of Existing Commercial Chemical Substances
  ELINCS: European List of Notified Chemical Substances
  CAS: Chemical Abstracts Service (division of the American Chemical Society)
  VOC: Volatile Organic Compounds (USA, EU)
  LC50: Lethal concentration, 50 percent
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according to WHS Regulations

Printing date 12.05.2020  
Revision: 12.05.2020

Trade name: Quadrant FiniSense

LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Flam. Liq. 4: Flammable liquids – Category 4  
Acute Tox. 3: Acute toxicity - oral – Category 3  
Acute Tox. 2: Acute toxicity - inhalation – Category 2  
Skin Corr. 1: Skin corrosion/irritation – Category 1  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
Resp. Sens. 1: Respiratory sensitisation – Category 1  
Skin Sens. 1: Skin sensitisation – Category 1  
Skin Sens. 1A: Skin sensitisation – Category 1A  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3