

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name : **Quadrant FiniSense**

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Emergency Telephone Number : Call local Poison Control Center for assistance.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Preparation :

Information on Hazardous Ingredients

Chemical Name	CAS Number	%	EC Number	Symbol	R-Phrases
1) 2-Hydroxyethyl Methacrylate	868-77-9	35	212-782-2	Xi	R36/38, R43
2) Glutaaraldehyde	111-30-8	5	203-856-5	T, N	R23/25, R34, R42/43, R50

Occupational Exposure Limit(s), if available, are listed in Section 8

3. HAZARDS IDENTIFICATION

Physical/Chemical Hazards : Not applicable.

Human Health Hazards : Harmful by inhalation.
 Irritating to respiratory system and skin.
 Risk of serious damage to eyes.
 May cause sensitization by inhalation and skin contact.

Environmental Hazards : Not applicable.

4. FIRST AID MEASURES

First Aid Measures

Ingestion : If ingested, seek medical advice immediately and show the container or the label.

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

Eye Contact : Flush with a copious amount of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable / Not Suitable : Use extinguishing media suitable for surrounding materials.

Special Fire-Fighting Procedures : Wear breathing apparatus if large quantities burning.

Unusual Fire/Explosion Hazards : None.

Hazardous thermal (de)composition Products : Aldehyde.

Protection of Fire-Fighters : Be sure to use an approved/certified respirator or equivalent.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions : Gloves. Safety glasses.

Environmental Precautions and Cleanup Methods : Absorb with an inert material and put the spilled material in an appropriate waste disposal.

7. HANDLING AND STORAGE

Handling : Manipulate in a well-ventilated area.
Storage : Store in cool, dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls : Manipulate in a well-ventilated area.

Personal Protective Equipment

Skin and Body : Lab coat.
Hands : Gloves.
Eyes : Safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State and Appearance : Liquid
Color : Colourless to light yellow.
Odour : Aldehyde-like. (Slight.)
Boiling Point : -
Melting Point : -
Density : 1.05 (Water = 1)
Solubility : Easily soluble in hot water, methanol, acetone.
 Partially soluble in cold water.
Octanol/Water Partition Coefficient : Not available.
pH : 3.4
Flash Points : >104 C.
Flammability : Slightly flammable in presence of open flames and sparks.
Autoignition Temperature : Not available.
Explosion Properties : Non-explosive in presence of open flames and sparks, of shocks.

10. STABILITY AND REACTIVITY

Stability : The product is stable.
Conditions to Avoid / Materials to Avoid : alkalis, acids, oxidizing agents. (Glutaaraldehyde)
Hazardous Reactions : Slightly reactive with oxidizing agents.
Hazardous Decomposition Products : Aldehyde.

11. TOXICOLOGICAL INFORMATION

Local Effects

Skin Irritation : May cause sensitization by skin contact. References
 1. Bjorkner et al. The sensitizing potential of di-(meth)acrylates based on bisphenol A or epoxy resins in the Guinea pig". Contact Dermatitis, 1984. 10(5): p. 286 - 304.
 2. Kanerva et al. "Allergic contact dermatitis from dental composite resins due to aromatic epoxy acrylates and aliphatic acrylates". Contact Dermatitis, 1989. 20(3): p. 201 - 211.
Eye Irritation : Hazardous in case of eye contact (irritant).
Sensitization : Very slightly hazardous in case of skin contact (sensitizer), of inhalation (lung sensitizer).
Chronic Toxicity : There is no known effect from chronic exposure to this product.

12. ECOLOGICAL INFORMATION

Germany water class : VCI WGK: No products were found.

13. DISPOSAL CONSIDERATIONS

Methods of Disposal ; Waste of Residues ; Contaminated Packaging : Hazardous waste Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. TRANSPORT INFORMATION

International Transport Regulations

Land - Road/Railway

ADR/RID Class : Not available.

Sea

IMDG Class : Not available.

Air

IATA-DGR Class : Not available.

15. REGULATORY INFORMATION

EU Regulations

- Risk Phrases** : R20- Harmful by inhalation.
R37/38- Irritating to respiratory system and skin.
R41- Risk of serious damage to eyes.
R42/43- May cause sensitization by inhalation and skin contact.
- Safety Phrases** : S23- Do not breathe gas/fumes/vapour/spray [***]
S24- Avoid contact with skin.
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39- Wear suitable gloves and eye/face protection.
- Contains** : - 2-Hydroxyethyl Methacrylate
- Glutaaraldehyde

16. OTHER INFORMATION

HISTORY

- Date of Printing : 18-09-2000.
- Date of Issue : 14-09-2000.
- Version : 2

Notice to Reader

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