

# SAFETY DATA SHEET

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

**Product Name** : **Quadrant Unibond P**

**Supplier** : Cavex Holland  
 Harmenjansweg 19-21  
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 2003 RW Haarlem (Holland)  
 Phone +31 23 530 77 00 Fax +31 23 535 64 82  
 Email: Dental@cavex.nl Website: www.cavex.nl

**Emergency Telephone Number** : Not applicable.

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/Preparation** : Preparation

### Information on Hazardous Ingredients

Chemical Name	CAS Number	%	EC Number	Symbol	R-Phrases
1) 2-Hydroxyethyl Methacrylate	868-77-9	25-50	212-782-2	Xi	R36/38, R43
2) Maleic acid - mono-2-methacryloyl-oxyethylester	51978-15-5	0-5	Not available.	Xn	R20/21/22, R38, R41
3) Maleic Acid	110-16-7	0-5	203-742-5	Xn	R22, R36/37/38
4) Ethanol	64-17-5	24	200-578-6	F	R11

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

## 3. HAZARDS IDENTIFICATION

**Physical/Chemical Hazards** : Not applicable.

**Human Health Hazards** : Irritating to eyes and skin.

**Environmental Hazards** : Not applicable.

## 4. FIRST AID MEASURES

### First Aid Measures

**Ingestion** : If large quantities swallowed, wash out mouth and call physician.

**Skin Contact** : Wash contaminated skin with soap and water.

**Eye Contact** : Check for and remove any contact lenses. Flush with a copious amount of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention if irritation persists.

## 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

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

**Special Fire-Fighting Procedures** : No special measures required.

**Unusual Fire/Explosion Hazards** : None.

**Hazardous thermal (de)composition Products** : No dangerous substances are released .

**Protection of Fire-Fighters** : No special measures required.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions** : Safety glasses. Gloves.

**Environmental Precautions and Cleanup Methods** : Use appropriate instruments to put the spilled material in a waste disposal.

## 7. HANDLING AND STORAGE

**Handling** : Avoid contact with eyes, skin and clothing.

**Storage** : No special precautions.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls** : No special precautions.

### Personal Protective Equipment

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State and Appearance** : Liquid (Viscous liquid.)  
**Color** : White to yellowish.  
**Odour** : Alcohol-like.

**Boiling Point** : Not available.  
**Melting Point** : Not available.  
**Density** : -  
**Solubility** : Partially soluble in water.  
**Octanol/Water Partition Coefficient** : Not available.  
**pH** : Not available.  
**Flash Points** : The lowest known value is OPEN CUP: 130°C (55.4°F). (Ethanol)  
**Flammability** : Flammable in presence of open flames and sparks.  
**Autoignition Temperature** : The lowest known value is 370°C (698°F) (Ethanol).  
**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** : Not available.  
**Hazardous Reactions** : None.  
**Hazardous Decomposition Products** : No dangerous substances are released .

## 11. TOXICOLOGICAL INFORMATION

### Local Effects

**Skin Irritation** : Irritating to skin.  
**Eye Irritation** : Hazardous in case of eye contact (irritant).  
**Sensitization** : Not considered a skin sensitizer. 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.

**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** : Not available.

## 14. TRANSPORT INFORMATION

### International Transport Regulations

#### Land - Road/Railway

**ADR/RID Class** : No dangerous cargo .

#### Sea

**IMDG Class** : No dangerous cargo.

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Air

IATA-DGR Class : No dangerous cargo.

**15. REGULATORY INFORMATION**EU Regulations

**Risk Phrases** : R36/38- Irritating to eyes and skin.  
R43- May cause sensitization by skin contact.

**Safety Phrases** : Not applicable.

**Contains** : Not applicable.

**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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