

# SAFETY DATA SHEET



## Quadrant Total Etch

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

**Product name** : Quadrant Total Etch

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

**Material uses** : Dental bonding material

**Manufacturer** : Cavex Holland  
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The Netherlands

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### 2. Composition/information on ingredients

**Substance/preparation** : Preparation

Chemical name*	CAS no.	%	EC number	Classification
Phosphoric acid 85 % See section 16 for the full text of the R-phrases declared above	7664-38-2	20	231-633-2	C; R34

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

### 3. Hazards identification

The product is classified as dangerous according to Directive 67/548/EEC and its amendments.

**Classification** : Xi; R36/38

**Additional hazards** : None.

### 4. First aid measures

#### First aid measures

**Ingestion** : If swallowed, rinse mouth with water. If potentially dangerous quantities of this material have been swallowed, call a physician immediately.

**Skin contact** : Rinse with plenty of running water. Cover the irritated skin with an emollient.

**Eye contact** : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Check for and remove any contact lenses. Get medical attention if symptoms occur.

**First aid facilities** : Eyewash bottle with clean water.

**Notes to physician** : No additional remark.

**Protection of first-aiders** : Not applicable.

### 5. Fire-fighting measures

#### Extinguishing media

**Suitable** : Use extinguishing media suitable for surrounding materials.

**Not suitable** : Not applicable.

**Unusual fire/explosion hazards** : None.

**Special fire-fighting procedures** : No special measures required.

### 6. Accidental release measures

**Personal precautions** : Safety glasses. PVC gloves.

**Environmental precautions and clean-up methods** : Neutralize with a dilute sodium carbonate solution.

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

## 7. Handling and storage

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

**Storage** : Keep container tightly closed.

**Packaging materials**

**Suitable** : Use original container.

## 8. Exposure controls/personal protection

**Engineering measures** : No special measures required.

**Occupational exposure limits** : Not applicable.

**Personal protective equipment**

**Skin and body** : Lab coat.

**Hands** : Gloves.

**Eyes** : Safety glasses.

## 9. Physical and chemical properties

**Physical state** : Liquid. (Gel.)

**Color** : Clear. Blue.

**Odor** : Odorless.

**Boiling point** : > 100 °C

**Flash point** : Not applicable.

**Density** : 1.1 g/cm<sup>3</sup>

**Solubility** : Soluble in water in any proportion.

**Octanol/water partition coefficient** : Not established

## 10. Stability and reactivity

**Stability** : The product is stable.

## 11. Toxicological information

**Acute toxicity**

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Phosphoric acid 85 %	LD50	1530 mg/kg	Oral	Rat
	LD50	2740 mg/kg	Oral	Rabbit

**Local effects**

**Skin irritation** : R38- Irritating to skin.

**Eye irritation** : R36- Irritating to eyes.

**Sensitization** : Non-sensitizer.

**Chronic toxicity** : Repeated skin exposure can produce local skin destruction or dermatitis.

## 12. Ecological information

**Mobility** : Water hazard class 1 (German Regulation) (Self assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**Soil/water partition coefficient (Koc)** : Not determined.

## 13. Disposal considerations

**Methods of disposal ; Waste residues information ; Contaminated packaging** : Neutralize with a dilute sodium carbonate solution.

**Waste classification** : Not applicable.

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

## 14. Transport information

### International transport regulations

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
ADR/RID Class	1805	PHOSPHORIC ACID, LIQUID. (Phosphoric acid 20 %)	8	III		-
ADNR Class	1805	PHOSPHORIC ACID, LIQUID. (Phosphoric acid 20 %)	8	III		-
IMDG Class	1805	PHOSPHORIC ACID, LIQUID.	8	III		<b>Emergency schedules (EmS)</b> F-A, S-B
IATA-DGR Class	1805	PHOSPHORIC ACID, LIQUID. (Phosphoric acid 20 %)	8	III		

## 15. Regulatory information

### EU regulations

Hazard symbol or symbols :



Irritant

Risk phrases : R36/38- Irritating to eyes and skin.

Contains : Phosphoric acid solution 20 %

Product use : Dental bonding material

Tactile warning of danger : Not applicable.

EU statistical classification (Tariff Code) : 32089091

### National regulations

## 16. Other information

Full text of R-phrases referred to in sections 2 and 3 - Netherlands : R34- Causes burns.  
R36/38- Irritating to eyes and skin.

Full text of classifications referred to in sections 2 and 3 - Netherlands : C - Corrosive  
Xi - Irritant

### History

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### Notice to reader

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*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.*