

**SAFETY DATA SHEET**

Cavex Alginate Adhesive

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****Product identifier**

**Product name** : Cavex Alginate Adhesive  
**Other means of identification** : None.  
**Product type** : Viscous liquid.

**Relevant identified uses of the substance or mixture and uses advised against**

**Identified uses** : Dental impression material.

**Details of the supplier of the safety data sheet****National contact**

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 The Netherlands

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**National advisory body/Poison Centre/Emergency telephone number**

**Telephone number** : +31 23 530 7700 (Office hours)

**SECTION 2: Hazards identification****Classification of the substance or mixture**

**Product definition** : Preparation

**Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

H225 - Highly flammable liquid and vapour. Category 2  
 H319 - Causes serious eye irritation. Category 2A  
 H336 - May cause drowsiness or dizziness. Category 3

**Classification according to Directive 67/548/EEC [DSD]****Europe**

R10  
 Xi; R36  
 R67

**Classification according to Directive 1999/45/EC [DPD]****Europe**

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

**Label elements****Hazard pictograms**

**Signal word** : Warning

**Hazard statements** : H225 - Highly flammable liquid and vapour.  
 H319 - Causes serious eye damage.  
 May cause drowsiness or dizziness.

**Precautionary statements**

**Prevention** : None.

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## SECTION 2: Hazards identification



Irritant

**Risk phrases** : R10- Flammable.  
R36- Irritating to eyes.  
R67- Vapours may cause drowsiness and dizziness.

**Safety phrases** : Not applicable.

**Hazardous ingredients** : Toluene

**Supplemental label elements** : None.

### Other hazards

**Other hazards which do not result in classification** : None.

**Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII** : Not applicable.

**Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII** : Not applicable.

## SECTION 3: Composition/information on ingredients

**Substance/mixture** : Preparation

Product/ingredient name	Identifiers	%	Classification		Type
			67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	
<b>Europe</b>					
Isopropanol	CAS: 67-63-0 EC: 200-661-7	35-50	F; R11 Xi; R36	H225, H319	[1]
Toluene	CAS: 108-88-3 EC: 203-625-9	10-15	Xn; R48/20 R67  <b>See Section 16 for the full text of the R-phrases declared above.</b>	H225, H304, H315, H336, H361d, H373  <b>See Section 16 for the full text of the H statements declared above.</b>	[1]

Type

1: Occupational exposure limits, if available, are listed in Section 8.

## SECTION 4: First aid measures

### Description of first aid measures

**Eye contact** : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**Inhalation** : Get medical attention if symptoms appear.

**Skin contact** : Wash contaminated skin with soap and water. Residual surface material should be removed with towels moistened with ethanol.

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

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

### Most important symptoms and effects, both acute and delayed

#### Potential acute health effects

**Eye contact** : Irritating to eyes.

**Inhalation** : Vapours may cause drowsiness and dizziness. LC50 toluene inhalation, 4 h, rat, 49000 mg/m<sup>3</sup>

**Skin contact** : Repeated exposure may cause skin dryness or cracking.

**Ingestion** : LD50 toluene, orally, rat, 636 mg/kg  
LD50 Isopropanol, rat, orally, 5045 mg/kg

### Indication of any immediate medical attention and special treatment needed

**Notes to physician** : May cause eye irritation.

**Specific treatments** : Not applicable.

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## SECTION 5: Firefighting measures

### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

### Special hazards arising from the substance or mixture

- Hazards from the substance or mixture** : No known significant effects or critical hazards.
- Hazardous thermal decomposition products** : No known significant effects or critical hazards.

### Advice for firefighters

- Special protective actions for fire-fighters** : None.
- Special protective equipment for fire-fighters** : Wear appropriate respiratory protection.
- Additional information** : No additional remark.

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : Avoid breathing vapour or mist.
- For emergency responders** : Avoid breathing vapour or mist.
- Environmental precautions** : Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### Methods and materials for containment and cleaning up

- Small spill** : Residual surface material should be removed with towels moistened with ethanol.
- Large spill** : Absorb with liquid-binding material (sand, diatomite, universal binders etc.) or use a spill kit.

### Reference to other sections

- : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### Precautions for safe handling

- Protective measures** : Store in a dry place.
- Advice on general occupational hygiene** : Store in a dry place.
- Conditions for safe storage, including any incompatibilities** : Keep container tightly closed in a cool, well- ventilated place.

## SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### Control parameters

#### Occupational exposure limits

Product/ingredient name	Exposure limit values
Europe	
Isopropanol	<b>EU OEL (Europe).</b> TWA: 650 mg/m <sup>3</sup>
Toluene	<b>EU OEL (Europe).</b> TWA: 150 mg/m <sup>3</sup> 8 hour(s). PEAK: 384 mg/m <sup>3</sup> 15 minute(s).

- Recommended monitoring procedures** : Avoid release to the environment.
- DNELs/DMELs** : No DNELs/DMELs available.
- PNECs** : No PNECs available

### Exposure controls

- Appropriate engineering controls** : Provide adequate ventilation.
- Individual protection measures**

**SECTION 8: Exposure controls/personal protection**

Hygiene measures	: Wash thoroughly after handling.
Eye/face protection	: Safety glasses.
<b>Skin protection</b>	
Hand protection	: polyvinyl alcohol (PVA)gloves
Body protection	: Lab coat.
Other skin protection	: Wash with soap and water.
Respiratory protection	: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits.
Environmental exposure controls	: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**SECTION 9: Physical and chemical properties****Information on basic physical and chemical properties****Appearance**

Physical state	: Liquid.
Colour	: Blue.
Odour	: Unpleasant.
pH	: No results available.
Melting point/freezing point	: No results available.
Initial boiling point and boiling range	: No results available.
Flash point	: No results available.
Relative density	: 0.86
Solubility in water	: Non water-soluble liquid
Auto-ignition temperature	: No results available.
Decomposition temperature	: No results available.
Viscosity	: No results available.
Oxidising properties	: No results available.
Other information	: No additional information.

**SECTION 10: Stability and reactivity**

Reactivity	: No additional information.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: No known significant effects or critical hazards.
Conditions to avoid	: Keep away from heat, sparks and flame.
Incompatible materials	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**SECTION 11: Toxicological information****Information on toxicological effects**

<b>Acute toxicity</b>	: Based on available data, the classification criteria are not met.
<b>Irritation/Corrosion</b>	: Irritating to eyes.
<b>Sensitisation</b>	: Based on available data, the classification criteria are not met.
<b>Mutagenicity</b>	: Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	: Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	: Based on available data, the classification criteria are not met.
<b>Teratogenicity</b>	: Based on available data, the classification criteria are not met.
<b>Potential acute health effects</b>	
Eye contact	: Irritating to eyes.
Inhalation	: Vapours may cause drowsiness and dizziness. LC50 toluene inhalation, 4 h, rat, 49000 mg/m <sup>3</sup>

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## SECTION 11: Toxicological information

- Skin contact** : Repeated exposure may cause skin dryness or cracking.
- Ingestion** : LD50 toluene, orally, rat, 636 mg/kg  
LD50 Isopropanol, rat, orally, 5045 mg/kg
- Potential chronic health effects** : No known significant effects or critical hazards.
- Other information** : No additional information.

## SECTION 12: Ecological information

- Toxicity** : No results available.
- Persistence and degradability** : No results available.
- Bioaccumulative potential** : No results available.
- Mobility in soil** : Not available.
- Results of PBT and vPvB assessment**
- PBT** : Not applicable.
- vPvB** : Not applicable.
- Other adverse effects** : No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

### Waste treatment methods





#### Product

- Methods of disposal** : Use appropriate tools to transfer the spilt solid to a convenient waste disposal container.
- Hazardous waste** : Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

#### Packaging

- Methods of disposal** : Use appropriate tools to transfer the spilt solid to a convenient waste disposal container.
- Special precautions** : None.

## SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
<b>UN number</b>	1866	1866	1866	1866
<b>UN proper shipping name</b>	Resin solution, flammable (Isopropanol)	Resin solution, flammable (Isopropanol)	Resin solution, flammable (Isopropanol)	Resin solution, flammable (Isopropanol)
<b>Transport hazard class (es)</b>	3 	3 	3 	3 
<b>Packing group</b>	III	III	III	III
<b>Environmental hazards</b>				
<b>Additional information</b>	-	-	<u>Emergency schedules (EmS)</u> 3-05	-

- Special precautions for user** : No special measures are required.
- Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not available.

## SECTION 15: Regulatory information

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

[EU Regulation \(EC\) No. 1907/2006 \(REACH\)](#)

[Annex XIV - List of substances subject to authorisation](#)

[Substances of very high concern](#)

None of the components are listed.

[National regulations](#)

**Chemical Safety Assessment** : No Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

Indicates information that has changed from previously issued version.

### Abbreviations and acronyms

: ATE = Acute Toxicity Estimate  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EUH statement = CLP-specific Hazard statement  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RRN = REACH Registration Number  
vPvB = Very Persistent and Very Bioaccumulative

[Procedure used to derive the classification according to Regulation \(EC\) No. 1272/2008 \[CLP/GHS\]](#)

Classification	Justification
H225 - Highly flammable liquid and vapour. Category 2 H319 - Causes serious eye irritation. Category 2A H336 - May cause drowsiness or dizziness. Category 3	

### Europe

#### Full text of abbreviated H statements

: H225 - Highly flammable liquid and vapour.  
H304 - May be fatal if swallowed and enters airways.  
H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H336 - May cause drowsiness or dizziness.  
H361d - Suspected of damaging the unborn child.  
H373 - May cause damage to organs through prolonged or repeated exposure.

#### Full text of classifications [CLP/GHS]

: H225 - Flammable liquids Category 2  
H304 - Aspiration hazard Category 1  
H315 - SKIN CORROSION/IRRITATION Category 2  
H319 - Eye irritation Category 2A  
H336 - Specific target organ toxicity (single exposure) Category 3  
H361d - Reproduction toxicity Category 2  
H373 - Specific target organ toxicity (repeated exposure) Category 2

#### Full text of abbreviated R phrases

: R10- Flammable.  
R11- Highly flammable.  
R36- Irritating to eyes.  
R48/20- Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
R67- Vapours may cause drowsiness and dizziness.

#### Full text of classifications [DSD/DPD]

: F - Highly flammable  
Xn - Harmful  
Xi - Irritant

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#### [Notice to reader](#)

**SECTION 16: Other information**

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.