

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Assembly Cement high strength

Print date: 23.01.2017

Product code: 16-38

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

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1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Adhesives, sealants

Uses advised against

Reserved for industrial and professional use.

1.3. Details of the supplier of the safety data sheet

Company name: ITW LLC & Co. KG
Street: Mühlackerstrasse 149
Place: D-75417 Mühlacker
Telephone: ++49(0)7041-96340
e-mail: info@itwcp.de
Internet: www.itwcp.de
Responsible Department: Produktsicherheit

Telefax: ++49(0)7041-963429

1.4. Emergency telephone

++49(0)7041-96340

number:

Mo. - Do. 8.00 - 16.30 Fr. 8.00 - 14.00

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory or skin sensitisation: Skin Sens. 1

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

May cause respiratory irritation.

Causes serious eye damage.

Causes skin irritation.

May cause an allergic skin reaction.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard components for labelling**

cumene hydroperoxide, alpha,alpha-dimethylbenzyl hydroperoxide

acrylic acid, prop-2-enoic acid

Signal word:

Danger

Pictograms:**Hazard statements**

H335

May cause respiratory irritation.

H318

Causes serious eye damage.

H315

Causes skin irritation.

H317

May cause an allergic skin reaction.

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Precautionary statements

- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

Adhesives, sealants

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
27813-02-1	Hydroxypropyl methacrylate, mixture of isomers			25-75%
	248-666-3			
	Eye Irrit. 2A, Skin Sens. 1; H319 H317			
79-10-7	acrylic acid, prop-2-enoic acid			1-5 %
	201-177-9	607-061-00-8		
	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1A, Aquatic Acute 1; H226 H332 H312 H302 H314 H400			
	Silane			1-5 %
	Eye Dam. 1; H318			
80-15-9	cumene hydroperoxide, alpha,alpha-dimethylbenzyl hydroperoxide			1-5 %
	201-254-7	617-002-00-8		
	Org. Perox. E, Acute Tox. 3, Acute Tox. 4, Acute Tox. 4, STOT RE 2, Skin Corr. 1B, Aquatic Chronic 2; H242 H331 H312 H302 H373 ** H314 H411			
98-82-8	cumene			<1%
	202-704-5	601-024-00-X		
	Flam. Liq. 3, Asp. Tox. 1, STOT SE 3, Aquatic Chronic 2; H226 H304 H335 H411			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Take off contaminated clothing.

After inhalation

Provide fresh air. In case of breathing difficulties administer oxygen. Medical treatment necessary.

After contact with skin

After contact with skin, wash immediately with: Water. If skin irritation or rash occurs: Get medical advice/attention.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist. Rinse immediately carefully and thoroughly with eye-bath or water.

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After ingestion

If swallowed, immediately drink: Water. Rinse mouth immediately and drink plenty of water. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

Water with tenside additive. Water.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Nitrogen oxides (NOx). Carbon monoxide. Carbon dioxide (CO₂).

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information

Suppress gases/vapours/mists with water spray jet. Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

This article doesn't contain dangerous substances or preparations intended to be released under normal or reasonably foreseeable conditions of use.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Further information on handling

No special handling instructions are necessary.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed. Keep/Store only in original container.

Advice on storage compatibility

Information about storage in one common storage facility: no restriction.

Further information on storage conditions

Keep container tightly closed. Keep in a cool, well-ventilated place. storage temperature: 10-20°C

SECTION 8: Exposure controls/personal protection

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8.1. Control parameters**Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
98-82-8	Cumene	25	125		TWA (8 h)	WEL
		50	250		STEL (15 min)	WEL

Additional advice on limit values

Does not contain substances above concentration limits fixing an occupational exposure limit.

8.2. Exposure controls**Appropriate engineering controls**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream. After work, wash hands and face. When using do not eat or drink. No special precautionary measures are necessary.

Eye/face protection

Tightly sealed safety glasses.

Hand protection

DIN EN 374 Tested protective gloves are to be worn: Butyl rubber. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.gas filtering equipment (EN 141).

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	green
Odour:	odourless

Test method**Changes in the physical state**

Melting point:	not determined
Initial boiling point and boiling range:	not determined
Flash point:	>100 °C

Explosive properties

not explosive.

Density (at 25 °C):	1,1 g/cm ³
Water solubility:	Immiscible
Viscosity / dynamic: (at 25 °C)	2000-3000 mPa·s

SECTION 10: Stability and reactivity

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10.1. Reactivity

No data available

10.2. Chemical stability

Product is stable in the test system throughout the duration of the test.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

No data available

Further information

No data available

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
79-10-7	acrylic acid, prop-2-enoic acid			
	oral	LD50 > 192 mg/kg	Rat	
	dermal	LD50 > 290 mg/kg	Rabbit	
	inhalative (4 h) vapour	LC50 3,6 mg/l	Rat	
	inhalative aerosol	ATE 1,5 mg/l		
80-15-9	cumene hydroperoxide, alpha,alpha-dimethylbenzyl hydroperoxide			
	oral	LD50 382 mg/kg	Rat	IUCLID
	dermal	LD50 500 mg/kg	Rat	RTECS
	inhalative (4 h) vapour	LC50 1,4 mg/l	Rat	IUCLID
	inhalative aerosol	ATE 0,5 mg/l		
98-82-8	cumene			
	dermal	LD50 12300 mg/kg	Rabbit	IUCLID
	inhalative (4 h) vapour	LC50 39 mg/l	Rat	RTECS

Irritation and corrosivity

Irritating to eyes. Risk of serious damage to eyes.

Sensitising effects

May cause sensitisation by skin contact.

Carcinogenic/mutagenic/toxic effects for reproduction

No data available

STOT-repeated exposure

No data available

Specific effects in experiment on an animal

No data available

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Additional information on tests

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

Practical experience**Observations relevant to classification**

No data available

SECTION 12: Ecological information**12.1. Toxicity**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h] [d]	Species	Source
79-10-7	acrylic acid, prop-2-enoic acid				
	Acute fish toxicity	LC50 27 mg/l	96 h	Onchorhynchus mykiss	
	Acute crustacea toxicity	EC50 95 mg/l	48 h	Daphnia magna	
98-82-8	cumene				
	Acute fish toxicity	LC50 2,7 mg/l	96 h	Leuciscus idus	
	Acute algae toxicity	ErC50 2,6 mg/l	72 h	Selenastrum capricornutum	

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
79-10-7	acrylic acid, prop-2-enoic acid	0,35
98-82-8	cumene	3,66

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available

Further information

Do not allow to enter into surface water or drains. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances
Classified as hazardous waste.

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Waste disposal number of contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information**Land transport (ADR/RID)****Other applicable information (land transport)**

Not restricted

Inland waterways transport (ADN)**Other applicable information (inland waterways transport)**

Not restricted

Marine transport (IMDG)**Other applicable information (marine transport)**

Not restricted

Air transport (ICAO)**Other applicable information (air transport)**

Not restricted

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

2004/42/EC (VOC): 9,98 % (109,78 g/l)

National regulatory information

Water contaminating class (D): 2 - water contaminating

SECTION 16: Other information**Relevant H and EUH statements (number and full text)**

H226	Flammable liquid and vapour.
H242	Heating may cause a fire.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.



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(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)