

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Assembly Cement high strength**

Revision date: 17.12.2019

Product code: 16-48

Page 1 of 8

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

Assembly Cement high strength

**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      Telefax: ++49(0)7041-963429  
e-mail: info@itwcp.de  
Internet: www.itwcp.de  
Responsible Department: Produktsicherheit Mo. - Do. 8.00 - 16.30 Fr. 8.00 - 14.00  
Swiss Toxicological Information Centre - Téléphone : +41 44 251 51 51 (in Switzerland dial 145)  
United Kingdom : National Poisons Information Service - Phone number : 8448920111  
Österreich : Vergiftungsinformationszentrale Vienna - Telefon-Nummer : +43 1 406 43 43  
Schweiz : Tox Info Suisse - Telefon-Nummer : +41 44 251 51 51  
Italia : Centro Antiveleni, Roma - Numero di telefono : +39 06 305 4343  
España : Instituto Nacional de Toxicología - Teléfono : +34 91 562 04 20  
Deutschland: ++49(0)7041-96340

**1.4. Emergency telephone number:****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**Hydroxypropyl methacrylate, mixture of isomers  
acrylic acid; prop-2-enoic acid**Signal word:** Danger

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Assembly Cement high strength**

Revision date: 17.12.2019

Product code: 16-48

Page 2 of 8

**Pictograms:**

**Hazard statements**

H335	May cause respiratory irritation.
H318	Causes serious eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

**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	
	GHS Classification			
27813-02-1	Hydroxypropyl methacrylate, mixture of isomers			10-40 %
	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			
80-15-9	alpha,alpha-dimethylbenzyl hydroperoxide; cumene 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			
79-41-4	methacrylic acid; 2-methylpropenoic acid			<1%
	201-204-4	607-088-00-5		
	Acute Tox. 4, Acute Tox. 4, Skin Corr. 1A; H312 H302 H314			

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.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Assembly Cement high strength**

Revision date: 17.12.2019

Product code: 16-48

Page 3 of 8

**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.

**After ingestion**

Do NOT induce vomiting. Potential hazards: Stomach perforation. Call a physician immediately. Do not allow a neutralisation agent to be drunk. 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**

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

**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.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Assembly Cement high strength**

Revision date: 17.12.2019

Product code: 16-48

Page 4 of 8

**Hints on joint storage**

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

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
79-10-7	Acrylic acid	10	29		TWA (8 h)	EU
		20	59		STEL (1 min)	EU
79-41-4	Methacrylic acid	20	72		TWA (8 h)	WEL
		40	143		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

**Changes in the physical state**

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

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Assembly Cement high strength**

Revision date: 17.12.2019

Product code: 16-48

Page 5 of 8

**Explosive properties**

not explosive.

Density (at 25 °C):

1,1 g/cm<sup>3</sup>

Water solubility:

Immiscible

Viscosity / dynamic:  
(at 25 °C)

450-650 mPa·s

**SECTION 10: Stability and reactivity****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**

Acute toxicity, inhalant.



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Assembly Cement high strength

Revision date: 17.12.2019

Product code: 16-48

Page 6 of 8

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
79-10-7	acrylic acid; prop-2-enoic acid				
	oral	LD50 > 192 mg/kg	Rat		
	dermal	LD50 > 290 mg/kg	Rabbit		
	inhalation (4 h) vapour	LC50 3,6 mg/l	Rat		
	inhalation aerosol	ATE 1,5 mg/l			
80-15-9	alpha,alpha-dimethylbenzyl hydroperoxide; cumene hydroperoxide				
	oral	LD50 382 mg/kg	Rat	IUCLID	
	dermal	LD50 500 mg/kg	Rat	RTECS	
	inhalation (4 h) vapour	LC50 1,4 mg/l	Rat	IUCLID	
	inhalation aerosol	ATE 0,5 mg/l			
79-41-4	methacrylic acid; 2-methylpropenoic acid				
	oral	ATE 500 mg/kg			
	dermal	ATE 1100 mg/kg			

**Irritation and corrosivity**

after ingestion: Irritant and corrosive effects. Potential hazards: Stomach perforation.

**Sensitising effects**

May cause sensitization 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

**Additional information on tests**

The preparation is not dangerous in the sense of 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	Method
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		

**12.2. Persistence and degradability**

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Assembly Cement high strength**

Revision date: 17.12.2019

Product code: 16-48

Page 7 of 8

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

**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.

**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; hazardous waste

**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-TI/IATA-DGR)****Other applicable information (air transport)**

Not restricted

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Assembly Cement high strength**

Revision date: 17.12.2019

Product code: 16-48

Page 8 of 8

**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): 14,97 % (160,179 g/l)

**National regulatory information**

Water contaminating class (D): 1 - slightly 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.
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.

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