



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

Revision date: 17.12.2019

### Assembly Cement high strength

Product code: 16-38

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## 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<br>Swiss Toxicological Information Centre - Téléphone : +41 44 251 51 51 (in<br>Switzerland dial 145)<br>United Kingdom : National Poisons Information Service - Phone number :<br>8448920111<br>Österreich : Vergiftungsinformationszentrale Vienna - Telefon-Nummer : +43 1<br>406 43 43<br>Schweiz : Tox Info Suisse - Telefon-Nummer : +41 44 251 51 51<br>Italia : Centro Antiveleni, Roma - Numero di telefono : +39 06 305 4343<br>España : Instituto Nacional de Toxicología - Teléfono : +34 91 562 04 20<br>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

alpha,alpha-dimethylbenzyl hydroperoxide; cumene hydroperoxide

acrylic acid; prop-2-enoic acid

**Signal word:** Danger

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**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  | 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    | 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 |          |
| 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**

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**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.

**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.

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#### 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.

##### 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     |
| 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 |

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**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 <sup>3</sup> |
| Water solubility:                  | Immiscible            |
| Viscosity / dynamic:<br>(at 25 °C) | 2000-3000 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**



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## Acute toxicity

| 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     |         |        |        |
| 98-82-8 | cumene   |                  |         |        |        |
|         | dermal   | LD50 12300 mg/kg | Rabbit  | IUCLID |        |
|         | inhalation (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 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.

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| 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             |        |
| 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.

**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)**

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**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

**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 - clearly 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.                   |

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