



## Safety Data Sheet according to (EC) No 1907/2006

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sds no. : 352607  
V003.2

Loctite F5002 Part A

Revision: 27.11.2012  
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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Loctite F5002 Part A

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use:

Acrylic Adhesive

#### 1.3. Details of the supplier of the safety data sheet

Henkel Limited

2 Bishop Square Business Park

AL109EY Herfordshire Hatfield

Great Britain

Phone: +44 1606 593933

Fax-no.: +44 1606 863762

ua-productsafety.uk@uk.henkel.com

#### 1.4. Emergency telephone number

24 Hours Emergency Tel: +44 (0)1442 278497

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (DPD):

F - Highly flammable

R11 Highly flammable.

Xn - Harmful

R20 Harmful by inhalation.

Sensitizing

R43 May cause sensitisation by skin contact.

Xi - Irritant

R41 Risk of serious damage to eyes.

R37/38 Irritating to respiratory system and skin.

Dangerous for the environment

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### 2.2. Label elements

**Label elements (DPD):**

F - Highly flammable

Xn - Harmful



**Risk phrases:**

- R11 Highly flammable.
- R20 Harmful by inhalation.
- R37/38 Irritating to respiratory system and skin.
- R41 Risk of serious damage to eyes.
- R43 May cause sensitisation by skin contact.
- R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety phrases:**

- S16 Keep away from sources of ignition - No smoking.
- S24/25 Avoid contact with skin and eyes.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
- S51 Use only in well-ventilated areas.
- S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

**Contains:**

Methyl methacrylate,  
2-Hydroxyethyl methacrylate,  
Cumene hydroperoxide

**2.3. Other hazards**

None if used properly.

**SECTION 3: Composition/information on ingredients**

**General chemical description:**

Part A of two part adhesive

**Declaration of the ingredients according to CLP (EC) No 1272/2008:**

| Hazardous components<br>CAS-No.         | EC Number<br>REACH-Reg No.    | content        | Classification   |
|---|-------------------------------|----------------|--|
| Methyl methacrylate<br>80-62-6          | 201-297-1<br>01-2119452498-28 | >= 50- < 100 % | Flammable liquids 2<br>H225<br>Skin sensitizer 1<br>H317<br>Skin irritation 2<br>H315<br>Specific target organ toxicity - single exposure 3<br>H335  |
| 2-Hydroxyethyl methacrylate<br>868-77-9 | 212-782-2<br>01-2119490169-29 | >= 1- < 10 %   | Skin irritation 2<br>H315<br>Serious eye irritation 2<br>H319<br>Skin sensitizer 1<br>H317   |
| Cumene hydroperoxide<br>80-15-9         | 201-254-7                     | >= 3- < 5 %    | Acute toxicity 4; Dermal<br>H312<br>Specific target organ toxicity - repeated exposure 2<br>H373<br>Acute toxicity 3; Inhalation<br>H331<br>Acute toxicity 4; Oral<br>H302<br>Organic peroxides E<br>H242<br>Chronic hazards to the aquatic environment 2<br>H411<br>Skin corrosion 1B<br>H314 |
| Cumene<br>98-82-8                       | 202-704-5                     | >= 0,1- < 1 %  | Flammable liquids 3<br>H226<br>Aspiration hazard 1<br>H304<br>Specific target organ toxicity - single exposure 3<br>H335<br>Chronic hazards to the aquatic environment 2<br>H411   |

For full text of the H - statements and other abbreviations see section 16 "Other information".  
Substances without classification may have community workplace exposure limits available.

**Declaration of ingredients according to DPD (EC) No 1999/45:**

| Hazardous components<br>CAS-No.         | EC Number<br>REACH-Reg No.    | content         | Classification  |
|---|-------------------------------|-----------------|---|
| Methyl methacrylate<br>80-62-6          | 201-297-1<br>01-2119452498-28 | >= 50 - < 100 % | Xi - Irritant; R37/38<br>R43<br>F - Highly flammable; R11   |
| 2-Hydroxyethyl methacrylate<br>868-77-9 | 212-782-2<br>01-2119490169-29 | >= 1 - < 10 %   | Xi - Irritant; R36/38<br>R43  |
| Cumene hydroperoxide<br>80-15-9         | 201-254-7                     | >= 3 - < 5 %    | T - Toxic; R23<br>Xn - Harmful; R21/22, R48/20/22<br>O - Oxidizing; R7<br>C - Corrosive; R34<br>N - Dangerous for the environment; R51/53 |
| Cumene<br>98-82-8                       | 202-704-5                     | >= 0,1 - < 1 %  | R10<br>Xn - Harmful; R65<br>Xi - Irritant; R37<br>N - Dangerous for the environment; R51/53   |

For full text of the R-Phrases indicated by codes see section 16 'Other Information'.  
Substances without classification may have community workplace exposure limits available.

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

**Inhalation:**

Move to fresh air. If symptoms persist, seek medical advice.  
Consideration should be given to the possible effects of a faulty UV source (Stray radiation, ozone).

**Skin contact:**

Rinse with running water and soap.  
In case of adverse health effects seek medical advice.

**Eye contact:**

Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

**Ingestion:**

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

**4.2. Most important symptoms and effects, both acute and delayed**

SKIN: Rash, Urticaria.

RESPIRATORY: Irritation, coughing, shortness of breath, chest tightness.

EYE: Irritation, conjunctivitis.

SKIN: Redness, inflammation.

**4.3. Indication of any immediate medical attention and special treatment needed**

See section: Description of first aid measures

## SECTION 5: Firefighting measures

**5.1. Extinguishing media**

**Suitable extinguishing media:**

Carbon dioxide, foam, powder

**5.2. Special hazards arising from the substance or mixture**

Oxides of carbon, oxides of nitrogen, irritating organic vapors.

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus.  
Wear protective equipment.

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid skin and eye contact.  
Ensure adequate ventilation.  
Wear protective equipment.  
Remove sources of ignition.

**6.2. Environmental precautions**

Do not let product enter drains.

**6.3. Methods and material for containment and cleaning up**

For small spills wipe up with paper towel and place in container for disposal.  
For large spills absorb onto inert absorbent material and place in sealed container for disposal.  
Wash spillage site thoroughly with soap and water or detergent solution.

**6.4. Reference to other sections**

See advice in chapter 8

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling**

Avoid skin and eye contact.

Keep away from sources of ignition - no smoking.

**Hygiene measures:**

Wash hands before work breaks and after finishing work.

Good industrial hygiene practices should be observed.

Do not eat, drink or smoke while working.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in original containers at 8-21°C (46.4-69.8°F) and do not return residual materials to containers as contamination may reduce the shelf life of the bulk product.

**7.3. Specific end use(s)**

Acrylic Adhesive

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Occupational Exposure Limits**Valid for  
Great Britain

| Ingredient                     | ppm | mg/m <sup>3</sup> | Type                                 | Category                             | Remarks  |
|--------------------------------|-----|-------------------|--------------------------------------|--------------------------------------|----------|
| METHYL METHACRYLATE<br>80-62-6 | 100 | 416               | Short Term Exposure<br>Limit (STEL): |                                      | EH40 WEL |
| METHYL METHACRYLATE<br>80-62-6 | 50  | 208               | Time Weighted Average<br>(TWA):      |                                      | EH40 WEL |
| CUMENE<br>98-82-8              |     |                   | Skin designation:                    | Can be absorbed through the<br>skin. | EH40 WEL |
| CUMENE<br>98-82-8              | 50  | 250               | Short Term Exposure<br>Limit (STEL): |                                      | EH40 WEL |
| CUMENE<br>98-82-8              | 25  | 125               | Time Weighted Average<br>(TWA):      |                                      | EH40 WEL |
| CUMENE<br>98-82-8              | 50  | 250               | Short Term Exposure<br>Limit (STEL): | Indicative                           | ECTLV    |
| CUMENE<br>98-82-8              | 20  | 100               | Time Weighted Average<br>(TWA):      | Indicative                           | ECTLV    |

**Predicted No-Effect Concentration (PNEC):**

| Name on list                            | Environmental<br>Compartment       | Exposure<br>period | Value |     |                |            | Remarks |
|---|------------------------------------|--------------------|-------|-----|----------------|------------|---------|
|   |                                    |                    | mg/l  | ppm | mg/kg          | others     |         |
| Methyl methacrylate<br>80-62-6          | aqua<br>(freshwater)               |                    |       |     |                | 0,94 mg/L  |         |
| Methyl methacrylate<br>80-62-6          | aqua (marine<br>water)             |                    |       |     |                | 0,094 mg/L |         |
| Methyl methacrylate<br>80-62-6          | aqua<br>(intermittent<br>releases) |                    |       |     |                | 0,94 mg/L  |         |
| Methyl methacrylate<br>80-62-6          | STP                                |                    |       |     |                | 10 mg/L    |         |
| Methyl methacrylate<br>80-62-6          | sediment<br>(freshwater)           |                    |       |     | 5,74 mg/kg     |            |         |
| Methyl methacrylate<br>80-62-6          | soil                               |                    |       |     | 1,47 mg/kg     |            |         |
| 2-Hydroxyethyl methacrylate<br>868-77-9 | aqua<br>(freshwater)               |                    |       |     |                | 0,482 mg/L |         |
| 2-Hydroxyethyl methacrylate<br>868-77-9 | aqua (marine<br>water)             |                    |       |     |                | 0,482 mg/L |         |
| 2-Hydroxyethyl methacrylate<br>868-77-9 | STP                                |                    |       |     |                | 10 mg/L    |         |
| 2-Hydroxyethyl methacrylate<br>868-77-9 | aqua<br>(intermittent<br>releases) |                    |       |     |                | 1 mg/L     |         |
| 2-Hydroxyethyl methacrylate<br>868-77-9 | sediment<br>(freshwater)           |                    |       |     | 3,79 mg/kg     |            |         |
| 2-Hydroxyethyl methacrylate<br>868-77-9 | sediment<br>(marine water)         |                    |       |     | 3,79 mg/kg     |            |         |
| 2-Hydroxyethyl methacrylate<br>868-77-9 | soil                               |                    |       |     | 0,476<br>mg/kg |            |         |

**Derived No-Effect Level (DNEL):**

| Name on list                            | Application Area   | Route of Exposure | Health Effect                             | Exposure Time | Value                  | Remarks |
|---|--------------------|-------------------|---|---------------|------------------------|---------|
| Methyl methacrylate<br>80-62-6          | worker             | dermal            | Acute/short term exposure - local effects |               | 1,5 mg/cm <sup>2</sup> |         |
| Methyl methacrylate<br>80-62-6          | worker             | dermal            | Long term exposure - systemic effects     |               | 13,67 mg/kg bw/day     |         |
| Methyl methacrylate<br>80-62-6          | worker             | inhalation        | Long term exposure - systemic effects     |               | 210 mg/m <sup>3</sup>  |         |
| Methyl methacrylate<br>80-62-6          | worker             | dermal            | Long term exposure - local effects        |               | 1,5 mg/cm <sup>2</sup> |         |
| Methyl methacrylate<br>80-62-6          | worker             | inhalation        | Long term exposure - local effects        |               | 210 mg/m <sup>3</sup>  |         |
| Methyl methacrylate<br>80-62-6          | general population | dermal            | Acute/short term exposure - local effects |               | 1,5 mg/cm <sup>2</sup> |         |
| Methyl methacrylate<br>80-62-6          | general population | dermal            | Long term exposure - systemic effects     |               | 8,2 mg/kg bw/day       |         |
| Methyl methacrylate<br>80-62-6          | general population | inhalation        | Long term exposure - systemic effects     |               | 74,3 mg/m <sup>3</sup> |         |
| Methyl methacrylate<br>80-62-6          | general population | dermal            | Long term exposure - local effects        |               | 1,5 mg/cm <sup>2</sup> |         |
| Methyl methacrylate<br>80-62-6          | general population | inhalation        | Long term exposure - local effects        |               | 105 mg/m <sup>3</sup>  |         |
| 2-Hydroxyethyl methacrylate<br>868-77-9 | worker             | dermal            | Long term exposure - systemic effects     |               | 1,3 mg/kg bw/day       |         |
| 2-Hydroxyethyl methacrylate<br>868-77-9 | worker             | inhalation        | Long term exposure - systemic effects     |               | 4,9 mg/m <sup>3</sup>  |         |
| 2-Hydroxyethyl methacrylate<br>868-77-9 | general population | dermal            | Long term exposure - systemic effects     |               | 0,83 mg/kg bw/day      |         |
| 2-Hydroxyethyl methacrylate<br>868-77-9 | general population | inhalation        | Long term exposure - systemic effects     |               | 2,9 mg/m <sup>3</sup>  |         |
| 2-Hydroxyethyl methacrylate<br>868-77-9 | general population | oral              | Long term exposure - systemic effects     |               | 0,83 mg/kg bw/day      |         |

**Biological Exposure Indices:**

None

**8.2. Exposure controls:**

Respiratory protection:

Use only in well-ventilated areas.

Ensure adequate ventilation.

Filter type: A

**Hand protection:**

Chemical-resistant protective gloves (EN 374).

Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30

minutes permeation time as per EN 374):

nitrile rubber (NBR;  $\geq 0.4$  mm thickness)

Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):

nitrile rubber (NBR;  $\geq 0.4$  mm thickness)

This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

**Eye protection:**

Tightly fitting safety goggles

**Skin protection:**

Suitable protective clothing

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

|  |                                    |
|--|------------------------------------|
| Appearance                             | liquid<br>green                    |
| Odor                                   | Acrylic                            |
| pH                                     | No data available / Not applicable |
| Initial boiling point                  | No data available / Not applicable |
| Flash point                            | 15 °C (59 °F); None                |
| Decomposition temperature              | No data available / Not applicable |
| Vapour pressure                        | No data available / Not applicable |
| Density                                | No data available / Not applicable |
| Bulk density                           | No data available / Not applicable |
| Viscosity                              | No data available / Not applicable |
| Viscosity (kinematic)                  | No data available / Not applicable |
| Explosive properties                   | No data available / Not applicable |
| Solubility (qualitative)               | Insoluble                          |
| (Solvent: Water)                       |                                    |
| Solidification temperature             | No data available / Not applicable |
| Melting point                          | No data available / Not applicable |
| Flammability                           | No data available / Not applicable |
| Auto-ignition temperature              | No data available / Not applicable |
| Explosive limits                       | No data available / Not applicable |
| Partition coefficient: n-octanol/water | No data available / Not applicable |
| Evaporation rate                       | No data available / Not applicable |
| Vapor density                          | No data available / Not applicable |
| Oxidising properties                   | No data available / Not applicable |

**9.2. Other information**

No data available / Not applicable

**SECTION 10: Stability and reactivity****10.1. Reactivity**

Reaction with strong acids.

Reaction with strong oxidants.

**10.2. Chemical stability**

Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions**

See section reactivity



**10.4. Conditions to avoid**

Stable under recommended storage conditions.  
Heat, flames, sparks and other sources of ignition.

**10.5. Incompatible materials**

None if used properly.

**10.6. Hazardous decomposition products**

Toxic fumes.

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

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

**Oral toxicity:**

May cause irritation to the digestive tract.  
Ingestion of large quantities may cause liver or kidney damage.

**Inhalative toxicity:**

Harmful by inhalation.  
Irritating to respiratory system

**Skin irritation:**

It is irritating and sensitising to the skin

**Eye irritation:**

Risk of serious damage to eyes

**Acute toxicity:**

| Hazardous components<br>CAS-No. | Value<br>type        | Value                             | Route of<br>application      | Exposure<br>time | Species           | Method |
|---------------------------------|----------------------|-----------------------------------|------------------------------|------------------|-------------------|--------|
| Cumene hydroperoxide<br>80-15-9 | LD50<br>LC50<br>LD50 | 550 mg/kg<br>220 ppm<br>500 mg/kg | oral<br>inhalation<br>dermal | 4 h              | rat<br>rat<br>rat |        |

**Skin corrosion/irritation:**

| Hazardous components<br>CAS-No. | Result    | Exposure<br>time | Species | Method |
|---------------------------------|-----------|------------------|---------|--------|
| Cumene hydroperoxide<br>80-15-9 | corrosive |                  | rabbit  |        |

**Respiratory or skin sensitization:**

| Hazardous components<br>CAS-No. | Result      | Test type                                      | Species | Method  |
|---------------------------------|-------------|--|---------|---|
| Methyl methacrylate<br>80-62-6  | sensitising | Mouse<br>local<br>lymphnode<br>assay<br>(LLNA) | mouse   | OECD Guideline 429 (Skin<br>Sensitisation: Local Lymph<br>Node Assay) |

**Germ cell mutagenicity:**

| Hazardous components<br>CAS-No.            | Result               | Type of study /<br>Route of<br>administration   | Metabolic<br>activation /<br>Exposure time | Species | Method  |
|--|----------------------|---|--|---------|---|
| Methyl methacrylate<br>80-62-6             | negative             | bacterial reverse<br>mutation assay (e.g<br>Ames test)  | with and without                           |         |   |
| 2-Hydroxyethyl<br>methacrylate<br>868-77-9 | positive<br>negative | in vitro mammalian<br>chromosome<br>aberration test<br>bacterial reverse<br>mutation assay (e.g<br>Ames test) | with and without<br>with and without       |         | OECD Guideline 473 (In vitro<br>Mammalian Chromosome<br>Aberration Test)<br>OECD Guideline 471<br>(Bacterial Reverse Mutation<br>Assay) |
| Cumene hydroperoxide<br>80-15-9            | positive             | bacterial reverse<br>mutation assay (e.g<br>Ames test)  | without                                    |         | OECD Guideline 471<br>(Bacterial Reverse Mutation<br>Assay)   |
| Cumene hydroperoxide<br>80-15-9            | negative             | dermal  |  | mouse   |   |

**Repeated dose toxicity**

| Hazardous components<br>CAS-No. | Result         | Route of<br>application | Exposure time /<br>Frequency of<br>treatment | Species | Method |
|---------------------------------|----------------|-------------------------|--|---------|--------|
| Methyl methacrylate<br>80-62-6  | NOAEL=1000 ppm | inhalation              | 14 weeks 6 hrs/day, 5<br>days/wk             | mouse   |        |

**SECTION 12: Ecological information****General ecological information:**

Do not empty into drains / surface water / ground water.

Harmful to aquatic organisms.

May cause long-term adverse effects in the aquatic environment.

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

**Mobility:**

Cured adhesives are immobile.

**Persistence and Biodegradability:**

The product is not biodegradable.

**Bioaccumulative potential:**

No data available for the product.

**12.1. Toxicity**

| Hazardous components<br>CAS-No.         | Value<br>type | Value    | Acute<br>Toxicity<br>Study | Exposure<br>time | Species  | Method   |
|---|---------------|----------|----------------------------|------------------|--|--|
| Methyl methacrylate<br>80-62-6          | LC50          | 350 mg/l | Fish                       |                  | Leuciscus idus   | OECD Guideline<br>203 (Fish, Acute<br>Toxicity Test)                   |
| Methyl methacrylate<br>80-62-6          | EC50          | 69 mg/l  | Daphnia                    | 48 h             | Daphnia magna  | OECD Guideline<br>202 (Daphnia sp.<br>Acute<br>Immobilisation<br>Test) |
| Methyl methacrylate<br>80-62-6          | EC50          | 170 mg/l | Algae                      | 4 d              | Selenastrum capricornutum<br>(new name: Pseudokirchnerella<br>subcapitata) | OECD Guideline<br>201 (Alga, Growth<br>Inhibition Test)                |
| 2-Hydroxyethyl methacrylate<br>868-77-9 | LC50          | 227 mg/l | Fish                       | 96 h             | Pimephales promelas  | OECD Guideline<br>203 (Fish, Acute<br>Toxicity Test)                   |
| 2-Hydroxyethyl methacrylate<br>868-77-9 | EC50          | 380 mg/l | Daphnia                    | 48 h             | Daphnia magna  | OECD Guideline<br>202 (Daphnia sp.<br>Acute<br>Immobilisation<br>Test) |
| 2-Hydroxyethyl methacrylate<br>868-77-9 | EC50          | 345 mg/l | Algae                      | 72 h             | Selenastrum capricornutum<br>(new name: Pseudokirchnerella<br>subcapitata) | OECD Guideline<br>201 (Alga, Growth<br>Inhibition Test)                |
| Cumene hydroperoxide<br>80-15-9         | LC50          | 3,9 mg/l | Fish                       | 96 h             | Oncorhynchus mykiss  | OECD Guideline<br>203 (Fish, Acute<br>Toxicity Test)                   |
| Cumene hydroperoxide<br>80-15-9         | EC50          | 18 mg/l  | Daphnia                    | 48 h             | Daphnia magna  | OECD Guideline<br>202 (Daphnia sp.<br>Acute<br>Immobilisation<br>Test) |
| Cumene hydroperoxide<br>80-15-9         | ErC50         | 3,1 mg/l | Algae                      | 72 h             | Pseudokirchnerella subcapitata   | OECD Guideline<br>201 (Alga, Growth<br>Inhibition Test)                |
| Cumene<br>98-82-8                       | LC50          | 4,8 mg/l | Fish                       | 96 h             | Oncorhynchus mykiss  | OECD Guideline<br>203 (Fish, Acute<br>Toxicity Test)                   |
| Cumene<br>98-82-8                       | EC50          | 4 mg/l   | Daphnia                    | 48 h             | Daphnia magna  | OECD Guideline<br>202 (Daphnia sp.<br>Acute<br>Immobilisation<br>Test) |
| Cumene<br>98-82-8                       | EC50          | 2,6 mg/l | Algae                      | 72 h             | Selenastrum capricornutum<br>(new name: Pseudokirchnerella<br>subcapitata) | OECD Guideline<br>201 (Alga, Growth<br>Inhibition Test)                |

**12.2. Persistence and degradability**

| Hazardous components<br>CAS-No.         | Result                | Route of<br>application | Degradability | Method  |
|---|-----------------------|-------------------------|---------------|---|
| Methyl methacrylate<br>80-62-6          | readily biodegradable | aerobic                 | 95 %          | EU Method C.4-B (Determination<br>of the "Ready"<br>Biodegradability Modified OECD<br>Screening Test) |
| 2-Hydroxyethyl methacrylate<br>868-77-9 | readily biodegradable | aerobic                 | 98 %          | OECD Guideline 301 E (Ready<br>biodegradability: Modified OECD<br>Screening Test)                     |
| Cumene hydroperoxide<br>80-15-9         |                       |                         | 18 %          | OECD Guideline 301 E (Ready<br>biodegradability: Modified OECD<br>Screening Test)                     |
| Cumene<br>98-82-8                       |                       | aerobic                 | 86 %          |   |

**12.3. Bioaccumulative potential / 12.4. Mobility in soil**

| Hazardous components<br>CAS-No. | LogKow | Bioconcentration<br>factor (BCF) | Exposure<br>time | Species | Temperature | Method |
|---------------------------------|--------|----------------------------------|------------------|---------|-------------|--------|
|---------------------------------|--------|----------------------------------|------------------|---------|-------------|--------|

|                                 |      |      |  |                   |       |   |
|---------------------------------|------|------|--|-------------------|-------|---|
| Methyl methacrylate<br>80-62-6  | 1,38 |      |  |                   |       |   |
| Cumene hydroperoxide<br>80-15-9 |      | 9,1  |  | calculation       |       | OECD Guideline 305<br>(Bioconcentration: Flow-through Fish Test)                      |
| Cumene hydroperoxide<br>80-15-9 | 2,16 |      |  |                   |       |   |
| Cumene<br>98-82-8               |      | 35,5 |  | Carassius auratus |       | OECD Guideline 305<br>(Bioconcentration: Flow-through Fish Test)                      |
| Cumene<br>98-82-8               | 3,55 |      |  |                   | 23 °C | OECD Guideline 107<br>(Partition Coefficient (n-octanol / water), Shake Flask Method) |

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Product disposal:

Dispose of in accordance with local and national regulations.

Disposal of uncleaned packages:

Dispose of as unused product.

Waste code

08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances

**SECTION 14: Transport information****14.1. UN number**

|      |      |
|------|------|
| ADR  | 1133 |
| RID  | 1133 |
| ADNR | 1133 |
| IMDG | 1133 |
| IATA | 1133 |

**14.2. UN proper shipping name**

|      |           |
|------|-----------|
| ADR  | ADHESIVES |
| RID  | ADHESIVES |
| ADNR | ADHESIVES |
| IMDG | ADHESIVES |
| IATA | Adhesives |

**14.3. Transport hazard class(es)**

|      |   |
|------|---|
| ADR  | 3 |
|      | 3 |
| RID  | 3 |
|      | 3 |
| ADNR | 3 |
|      | 3 |
| IMDG | 3 |
|      | 3 |
| IATA | 3 |
|      | 3 |

**14.4. Packaging group**

|      |    |
|------|----|
| ADR  | II |
| RID  | II |
| ADNR | II |
| IMDG | II |
| IATA | II |

**14.5. Environmental hazards**

|      |                |
|------|----------------|
| ADR  | not applicable |
| RID  | not applicable |
| ADNR | not applicable |
| IMDG | not applicable |
| IATA | not applicable |

**14.6. Special precautions for user**

|      |   |
|------|---|
| ADR  | Special provision 640D<br>Tunnelcode: (D/E) |
| RID  | Special provision 640D                      |
| ADNR | Special provision 640D                      |
| IMDG | not applicable                              |
| IATA | not applicable                              |

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

not applicable

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

VOC content

30 %

(1999/13/EC)

#### 15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

### SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

R10 Flammable.  
R11 Highly flammable.  
R21/22 Harmful in contact with skin and if swallowed.  
R23 Toxic by inhalation.  
R34 Causes burns.  
R36/38 Irritating to eyes and skin.  
R37 Irritating to respiratory system.  
R37/38 Irritating to respiratory system and skin.  
R43 May cause sensitisation by skin contact.  
R48/20/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65 Harmful: may cause lung damage if swallowed.  
R7 May cause fire.  
H225 Highly flammable liquid and vapour.  
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.  
H319 Causes serious eye irritation.  
H331 Toxic if inhaled.  
H335 May cause respiratory irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H411 Toxic to aquatic life with long lasting effects.

#### Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

This safety data sheet was prepared in accordance with Council Directive 67/548/EEC and its subsequent amendments, and Commission Directive 1999/45/EC.