



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

### 1.1 Product identifier

**VM-EA 330 Comp. A**  
**Article number: 0911005330A**

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

#### 1.2.1 Relevant uses

Adhesive mortar for fastening to concrete elements A-Component (Resin)

#### 1.2.2 Uses advised against

None known.

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

**Company** Kellner & Kunz AG  
 Boschstr. 37  
 4600 Wels / AUSTRIA  
 Phone 0043-7242-484-0  
 Fax 0043-7242-484-924  
 Homepage [www.reca.co.at](http://www.reca.co.at)  
 E-mail [info@reca.co.at](mailto:info@reca.co.at)

#### Address enquiries to

**Technical information** [info@reca.co.at](mailto:info@reca.co.at)  
**Safety Data Sheet** [sdb@chemiebuero.de](mailto:sdb@chemiebuero.de)

### 1.4 Emergency telephone number

**Advisory body** +43 (0) 1 406 43 43 (24h)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]

Skin Sens. 1: H317 May cause an allergic skin reaction.  
 Eye Irrit. 2: H319 Causes serious eye irritation.

### 2.2 Label elements

The product is required to be labelled in accordance with regulation (EC) No 1272/2008 (CLP).

#### Hazard pictograms



#### Signal word

WARNING

#### Contains:

Tetramethylene dimethacrylate  
 Ethylene dimethacrylate  
 Methacrylic acid, monoester with Propan-1,2-diole  
 2,2'-[(4-methylphenyl)imino]bisethanol

#### Hazard statements

H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.

#### Precautionary statements

P261 Avoid breathing vapours.  
 P280 Wear protective gloves / eye protection / face protection.  
 P333+P313 If skin irritation or rash occurs: Get medical advice / attention.  
 P337+P313 If eye irritation persists: Get medical advice / attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.

### 2.3 Other hazards

#### Environmental hazards

Does not contain any PBT or vPvB substances.

#### Other hazards

Further hazards were not determined with the current level of knowledge.



### SECTION 3: Composition / Information on ingredients

#### Product-type:

3.2 The product is a mixture.

Range [%]	Substance
10 - <20	Tetramethylene dimethacrylate CAS: 2082-81-7, EINECS/ELINCS: 218-218-1, Reg-No.: 01-2119967415-30-XXXX GHS/CLP: Skin Sens. 1B: H317
1 - <10	Vinyltoluene CAS: 25013-15-4, EINECS/ELINCS: 246-562-2, Reg-No.: 01-2119622074-50-XXXX GHS/CLP: Flam. Liq. 3: H226 - Acute Tox. 4: H332 - Eye Irrit. 2: H319 - Skin Irrit. 2: H315 - Asp. Tox. 1: H304 - Aquatic Chronic 3: H412
1 - <5	Ethylene dimethacrylate CAS: 97-90-5, EINECS/ELINCS: 202-617-2, EU-INDEX: 607-114-00-5, Reg-No.: 01-2119965172-38 GHS/CLP: STOT SE 3: H335 - Skin Sens. 1: H317
1 - <5	Methacrylic acid, monoester with Propan-1,2-diole CAS: 27813-02-1, EINECS/ELINCS: 248-666-3, Reg-No.: 01-2119490226-37-XXXX GHS/CLP: Eye Irrit. 2: H319 - Skin Sens. 1: H317
1 - <3	2,2'-[(4-methylphenyl)imino]bisethanol CAS: 3077-12-1, EINECS/ELINCS: 221-359-1, Reg-No.: 01-2120791684-40-XXXX GHS/CLP: Acute Tox. 4: H302 - Skin Sens. 1: H317 - Eye Dam. 1: H318 - Aquatic Chronic 3: H412
0,1 - <1	1,1'-(p-Tolylimino)dipropan-2-ol CAS: 38668-48-3, EINECS/ELINCS: 254-075-1, Reg-No.: 01-2119980937-17-XXXX GHS/CLP: Acute Tox. 2: H300 - Eye Irrit. 2: H319 - Aquatic Chronic 3: H412
0,1 - <1	1-isopropyl-2,2-dimethyltrimethylene diisobutyrate CAS: 6846-50-0, EINECS/ELINCS: 229-934-9, Reg-No.: 01-2119451093-47-XXXX GHS/CLP: Repr. 2: H361 - Aquatic Chronic 3: H412

#### Comment on component parts

The quartz in this preparation is not available on foreseeable use.  
Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.  
For full text of H-statements: see SECTION 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General information

Take off contaminated clothing and wash before reuse.

##### Inhalation

Ensure supply of fresh air.  
In the event of symptoms seek medical treatment.

##### Skin contact

In case of contact with skin wash off immediately with soap and water.  
Consult a doctor if skin irritation persists.

##### Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

##### Ingestion

Do not induce vomiting.  
Rinse out mouth and give plenty of water to drink.  
Get medical advice.

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

Irritant effects  
Allergic reactions

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

Treat symptomatically.



## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media** foam, dry powder, water spray jet, carbon dioxide

**Extinguishing media that must not be used** Full water jet

### 5.2 Special hazards arising from the substance or mixture

In the event of fire the following can be released:  
Carbon monoxide (CO)

### 5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.  
Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.  
Use personal protective equipment.

### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

### 6.3 Methods and material for containment and cleaning up

Take up mechanically.  
Take up residues with absorbent material (e.g. sand, sawdust, general purpose binder, diatomaceous earth).  
Dispose of absorbed material in accordance with the regulations.

### 6.4 Reference to other sections

See SECTION 8+13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Use only in well-ventilated areas.  
Avoid contact with eyes and skin. Use personal protective equipment.  
Open and handle container with care.

Do not eat, drink, smoke or take drugs at work.  
Wash hands before breaks and after work.  
Use barrier skin cream.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.  
Prevent penetration into the ground.  
Do not store together with food and animal food/diet.  
Keep container in a well-ventilated place.  
Keep container tightly closed.  
Keep in a cool place. Store in a dry place.  
Protect from atmospheric moisture and water.  
Recommended storage temperature: 5-25 °C (41-77 °F).

### 7.3 Specific end use(s)

See product use, SECTION 1.2



## SECTION 8: Exposure controls / personal protection

### 8.1 Control parameters

#### Ingredients with occupational exposure limits to be monitored (GB)

Substance
Vinyltoluene
CAS: 25013-15-4, EINECS/ELINCS: 246-562-2, Reg-No.: 01-2119622074-50-XXXX
Long-term exposure: 100 ppm, 491 mg/m <sup>3</sup>
Short-term exposure (15-minute): 150 ppm, 736 mg/m <sup>3</sup>

#### DNEL

Substance
Methacrylic acid, monoester with Propan-1,2-diole, CAS: 27813-02-1
Industrial, inhalative, Long-term - systemic effects: 264.5 mg/m <sup>3</sup> .
Industrial, dermal, Long-term - systemic effects: 4.2 mg/kg bw/day.
general population, oral, Long-term - systemic effects: 2.5 mg/kg bw/day.
general population, dermal, Long-term - systemic effects: 2.5 mg/kg bw/day.
general population, inhalative, Long-term - systemic effects: 8.8 mg/m <sup>3</sup> .
Tetramethylene dimethacrylate, CAS: 2082-81-7
Industrial, dermal, Long-term - systemic effects: 4.2 mg/kg bw/day.
Industrial, inhalative, Long-term - systemic effects: 14.5 mg/m <sup>3</sup> .
general population, oral, Long-term - systemic effects: 2.5 mg/kg bw/day.
general population, dermal, Long-term - systemic effects: 2.5 mg/kg bw/day.
general population, inhalative, Long-term - systemic effects: 4.3 mg/m <sup>3</sup> .
1,1'-(p-Tolylimino)dipropan-2-ol, CAS: 38668-48-3
Industrial, inhalative, Long-term - systemic effects: 2,47 mg/m <sup>3</sup> .
Industrial, dermal, Long-term - systemic effects: 700 µg/kg bw/day.
general population, oral, Long-term - systemic effects: 250 µg/kg bw/day.
Ethylene dimethacrylate, CAS: 97-90-5
Industrial, dermal, Long-term - systemic effects: 1,3 mg/kg bw/d.
Industrial, inhalative, Long-term - systemic effects: 2,45 mg/m <sup>3</sup> .
general population, dermal, Long-term - systemic effects: 100 mg/kg bw/d.
general population, oral, Long-term - systemic effects: 100 mg/kg bw/d.
general population, inhalative, Long-term - systemic effects: 1,47 mg/m <sup>3</sup> .
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate, CAS: 6846-50-0
Industrial, dermal, Long-term - systemic effects: 5 mg/kg bw/day.
Industrial, inhalative, Long-term - systemic effects: 17,62 mg/m <sup>3</sup> .
general population, inhalative, Long-term - systemic effects: 4,35 mg/m <sup>3</sup> .
general population, dermal, Long-term - systemic effects: 5 mg/kg bw/day.
general population, oral, Long-term - systemic effects: 5 mg/kg bw/day.
2,2'-(4-methylphenyl)imino]bisethanol, CAS: 3077-12-1
Industrial, dermal, Long-term - systemic effects: 470 µg/kg bw/day.
Industrial, inhalative, Long-term - systemic effects: 3,29 mg/m <sup>3</sup> .
general population, inhalative, Long-term - systemic effects: 580 µg/m <sup>3</sup> .
general population, oral, Long-term - systemic effects: 160 µg/kg bw/day.
general population, dermal, Long-term - systemic effects: 170 µg/kg bw/day.

#### PNEC

Substance
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Methacrylic acid, monoester with Propan-1,2-diole, CAS: 27813-02-1
seawater, 0.904 mg/L.
sewage treatment plants (STP), 10 mg/L.
sediment (freshwater), 6.28 mg/kg.
sediment (seawater), 6.28 mg/kg.
freshwater, 0.904 mg/L.
soil, 0.727 mg/kg.
Tetramethylene dimethacrylate, CAS: 2082-81-7
soil, 0.573 mg/kg.
sediment (seawater), 0.312 mg/kg.
sediment (freshwater), 3.12 mg/kg.
sewage treatment plants (STP), 2 mg/L.
seawater, 0.004 mg/L.
freshwater, 0.043 mg/L.
1,1'-(p-Tolylimino)dipropan-2-ol, CAS: 38668-48-3
seawater, 0,0017 mg/l.
sediment (seawater), 16,3 µg/kg sediment dw.
sediment (freshwater), 163 µg/kg sediment dw.
soil, 22,6 µg/kg soil dw.
sewage treatment plants (STP), 199,5 mg/l.
freshwater, 0,017 mg/l.
Ethylene dimethacrylate, CAS: 97-90-5
soil, 239 µg/kg dw.
sediment (seawater), 0,16 mg/kg dw.
sediment (freshwater), 1,6 mg/kg dw.
sewage treatment plants (STP), 57 mg/l.
seawater, 13,9 µg/l.
freshwater, 139 µg/l.
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate, CAS: 6846-50-0
sediment (seawater), 529 µg/kg sediment dw.
freshwater, 0,014 mg/l.
seawater, 0,0014 mg/l.
sewage treatment plants (STP), 3 mg/l.
sediment (freshwater), 5,29 mg/kg sediment dw.
2,2'-[(4-methylphenyl)imino]bisethanol, CAS: 3077-12-1
sewage treatment plants (STP), 10 mg/L.
sediment (freshwater), 121,4 µg/kg sediment dw.
freshwater, 26,4 µg/L.
seawater, 2,64 µg/L.
soil, 8,8 µg/kg soil dw.
sediment (seawater), 12,1 µg/kg sediment dw.



## 8.2 Exposure controls

<b>Additional advice on system design</b>	Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
<b>Eye protection</b>	safety glasses (EN 166:2001)
<b>Hand protection</b>	The details concerned are recommendations. Please contact the glove supplier for further information. >0,2 mm Nitrile rubber, >480 min (EN 374-1/-2/-3).
<b>Skin protection</b>	Protective clothing (EN 340)
<b>Other</b>	Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.
<b>Respiratory protection</b>	In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection. Short term: filter apparatus, combination filter A-P2. (DIN EN 14387)
<b>Thermal hazards</b>	not applicable
<b>Delimitation and monitoring of the environmental exposition</b>	Protect the environment by applying appropriate control measures to prevent or limit emissions.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Form</b>	pasty
<b>Color</b>	light beige
<b>Odor</b>	characteristic
<b>Odour threshold</b>	No information available.
<b>pH-value</b>	not applicable
<b>pH-value [1%]</b>	not applicable
<b>Boiling point [°C]</b>	No information available.
<b>Flash point [°C]</b>	>65
<b>Flammability (solid, gas) [°C]</b>	not applicable
<b>Lower explosion limit</b>	not determined
<b>Upper explosion limit</b>	not determined
<b>Oxidising properties</b>	none
<b>Vapour pressure/gas pressure [kPa]</b>	No information available.
<b>Density [g/ml]</b>	1,72
<b>Bulk density [kg/m³]</b>	not applicable
<b>Solubility in water</b>	insoluble
<b>Partition coefficient [n-octanol/water]</b>	No information available.
<b>Viscosity</b>	No information available.
<b>Relative vapour density determined in air</b>	No information available.
<b>Evaporation speed</b>	No information available.
<b>Melting point [°C]</b>	No information available.
<b>Autoignition temperature [°C]</b>	not self-igniting
<b>Decomposition temperature [°C]</b>	No information available.

### 9.2 Other information

No information available.



## SECTION 10: Stability and reactivity

### 10.1 Reactivity

See SECTION 10.3.

### 10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

### 10.3 Possibility of hazardous reactions

Reactions with oxidizing agents.

Reactions with acids.

### 10.4 Conditions to avoid

See SECTION 7.2.

### 10.5 Incompatible materials

Strong oxidizing agent.

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.



## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Product
ATE-mix, oral, > 2000 mg/kg.
ATE-mix, dermal, > 2000 mg/kg.
ATE-mix, inhalation (vapour ), > 20 mg/l.
Substance
Vinyltoluene, CAS: 25013-15-4
LD50, oral, Rat: 4000 mg/kg (IUCLID).
LC50, inhalative, Rat: 2500 ppm/8h (IUCLID).
LC50, inhalative, mouse: 3,02 mg/l/4h (IUCLID).
Methacrylic acid, monoester with Propan-1,2-diole, CAS: 27813-02-1
LD50, oral, Rat: 11200 mg/kg.
LD50, dermal, Rabbit: > 5000 mg/kg.
Tetramethylene dimethacrylate, CAS: 2082-81-7
LD50, oral, Rat: > 5000 mg/kg OECD 401.
LD50, dermal, Rabbit: > 3000 mg/kg.
1,1'-(p-Tolylimino)dipropan-2-ol, CAS: 38668-48-3
LD50, dermal, Rat: >2000 mg/kg.
LD50, oral, Rat: 25 - 200 mg/kg.
Ethylene dimethacrylate, CAS: 97-90-5
LD50, oral, Rat: 8300 mL/kg bw.
LD50, dermal, Rat: > 2000 mg/kg bw.
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate, CAS: 6846-50-0
LD50, oral, Rat: > 3200 mg/kg.
LD50, dermal, Rabbit: 18900 mg/kg.
LC50, inhalative, Rat: 5,3 mg/l/6h.
2,2'-[(4-methylphenyl)imino]bisethanol, CAS: 3077-12-1
LD50, dermal, Rat: >2000 mg/kg bw.
LD50, oral, Rat: 959 mg/kg bw.

<b>Serious eye damage/irritation</b>	Irritant Calculation method
<b>Skin corrosion/irritation</b>	Based on the available information, the classification criteria are not fulfilled. Calculation method
<b>Respiratory or skin sensitisation</b>	May cause an allergic skin reaction. Calculation method
<b>Specific target organ toxicity — single exposure</b>	Based on the available information, the classification criteria are not fulfilled.
<b>Specific target organ toxicity — repeated exposure</b>	Based on the available information, the classification criteria are not fulfilled.
<b>Mutagenicity</b>	Based on the available information, the classification criteria are not fulfilled.
<b>Reproduction toxicity</b>	Based on the available information, the classification criteria are not fulfilled.
<b>Carcinogenicity</b>	Based on the available information, the classification criteria are not fulfilled.
<b>Aspiration hazard</b>	Based on the available information, the classification criteria are not fulfilled.
<b>General remarks</b>	

Toxicological data of complete product are not available.  
The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.





## SECTION 12: Ecological information

### 12.1 Toxicity

Product
Based on the available information, the classification criteria are not fulfilled.:
Substance
Vinyltoluene, CAS: 25013-15-4
LC50, (96h), Pimephales promelas: 23,4 mg/l (IUCLID).
Methacrylic acid, monoester with Propan-1,2-diole, CAS: 27813-02-1
LC50, (48h), Leuciscus idus: 493 mg/l (DIN 38412).
EC50, (48h), Daphnia magna: 380 mg/l (OECD 202).
EC50, (72h), Pseudokirchneriella subcapitata: 97,2 mg/l (OECD 201).
Tetramethylene dimethacrylate, CAS: 2082-81-7
LC50, (48h), Leuciscus idus: 32,5 mg/l DIN 38412.
EC10, (16h), Pseudomonas putida: > 1000 mg/l.
1,1'-(p-Tolyimino)dipropan-2-ol, CAS: 38668-48-3
LC50, (96h), fish: 17 mg/l.
EC50, (72h), Algae: 245 mg/l.
EC50, (48h), Daphnia magna: 28,8 mg/l.
Ethylene dimethacrylate, CAS: 97-90-5
LC50, (96h), Danio rerio: 15,95 mg/l (OECD 203).
EC50, (48h), Daphnia magna: 44,9 mg/l.
EC50, (72h), Algae: 17,3 mg/l.
1-isopropyl-2,2-dimethyltrimethylene diisobutyrate, CAS: 6846-50-0
LC50, (96h), Pimephales promelas: 1,55 mg/l.
EC50, (48h), Daphnia magna: 1,46 mg/l.
EC50, (72h), Algae: 7,49 mg/L.
2,2'-[(4-methylphenyl)imino]bisethanol, CAS: 3077-12-1
LC50, (96h), fish: 100 mg/L.
EC50, (48h), Invertebrates: 26.4 mg/L.
EC50, (72h), Algae: 100 mg/L.

### 12.2 Persistence and degradability

<b>Behaviour in environment compartments</b>	No information available.
<b>Behaviour in sewage plant</b>	No information available.
<b>Biological degradability</b>	No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.



## 12.6 Other adverse effects

Do not discharge product unmonitored into the environment.

Ecological data of complete product are not available.

The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Waste material c It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

#### Product

Coordinate disposal with the disposal contractor/authorities if necessary.

#### Waste no. (recommended)

080409\*

#### Contaminated packaging

Untaminated packaging may be taken for recycling.

Packaging that cannot be cleaned should be disposed of as for product.

#### Waste no. (recommended)

150110\*

150102

## SECTION 14: Transport information

### 14.1 UN number

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

### 14.2 UN proper shipping name

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

### 14.3 Transport hazard class(es)

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable



#### 14.4 Packing group

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

#### 14.5 Environmental hazards

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

#### 14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

#### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

not applicable

### SECTION 15: Regulatory information

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

**EEC-REGULATIONS** 1991/689 (2001/118); 2010/75; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2016/2037/EC); (EU) 2015/830; (EU) 2016/131; (EU) 517/2014

**TRANSPORT-REGULATIONS** ADR (2019); IMDG-Code (2019, 39. Amdt.); IATA-DGR (2019)

**NATIONAL REGULATIONS (GB):** EH40/2005 Workplace exposure limits (Second edition, published December 2011).

- **Observe employment restrictions for people** Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people.

- **VOC (2010/75/CE)** 2,8%

#### 15.2 Chemical safety assessment

not applicable



## SECTION 16: Other information

### 16.1 Hazard statements (SECTION 03)

H361 Suspected of damaging fertility or the unborn child.  
 H300 Fatal if swallowed.  
 H318 Causes serious eye damage.  
 H302 Harmful if swallowed.  
 H412 Harmful to aquatic life with long lasting effects.  
 H304 May be fatal if swallowed and enters airways.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H332 Harmful if inhaled.  
 H226 Flammable liquid and vapour.  
 H335 May cause respiratory irritation.  
 H317 May cause an allergic skin reaction.

### 16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
 RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
 ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
 ATE = acute toxicity estimate  
 CAS = Chemical Abstracts Service  
 CLP = Classification, Labelling and Packaging  
 DMEL = Derived Minimum Effect Level  
 DNEL = Derived No Effect Level  
 EC50 = Median effective concentration  
 ECB = European Chemicals Bureau  
 EEC = European Economic Community  
 EINECS = European Inventory of Existing Commercial Chemical Substances  
 ELINCS = European List of Notified Chemical Substances  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
 IC50 = Inhibition concentration, 50%  
 IMDG = International Maritime Code for Dangerous Goods  
 IUCLID = International Uniform Chemical Information Database  
 LC50 = Lethal concentration, 50%  
 LD50 = Median lethal dose  
 LC0 = lethal concentration, 0%  
 LOAEL = lowest-observed-adverse-effect level  
 MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
 NOAEL = No Observed Adverse Effect Level  
 NOEC = No Observed Effect Concentration  
 PBT = Persistent, Bioaccumulative and Toxic substance  
 PNEC = Predicted No-Effect Concentration  
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
 STP = Sewage Treatment Plant  
 TLV@/TWA = Threshold limit value – time-weighted average  
 TLV@STEL = Threshold limit value – short-time exposure limit  
 VOC = Volatile Organic Compounds  
 vPvB = very Persistent and very Bioaccumulative

### 16.3 Other information

#### Classification procedure

Skin Sens. 1: H317 May cause an allergic skin reaction. (Calculation method)  
 Eye Irrit. 2: H319 Causes serious eye irritation. (Calculation method)



**Modified position**

SECTION 3 deleted: Ethylene dimethacrylate  
SECTION 3 deleted: 2,2'-[(4-methylphenyl)imino]bisethanol  
SECTION 3 deleted: 1,4-naphthoquinone  
SECTION 3 been added: Ethylene dimethacrylate  
SECTION 3 been added: 2,2'-[(4-methylphenyl)imino]bisethanol  
SECTION 3 been added: 1,1'-(p-Tolylimino)dipropan-2-ol  
SECTION 3 been added: 1-isopropyl-2,2-dimethyltrimethylene diisobutyrate  
SECTION 2 been added: 2,2'-[(4-methylphenyl)imino]bisethanol  
SECTION 3 deleted: 1,1'-(p-Tolylimino)dipropan-2-ol  
SECTION 2 deleted: H315 Causes skin irritation.  
SECTION 2 deleted: Skin Irrit. 2  
SECTION 2 deleted: Aquatic Chronic 3  
SECTION 2 deleted: H412 Harmful to aquatic life with long lasting effects.  
SECTION 2 deleted: P273 Avoid release to the environment.  
SECTION 4 been added: Do not induce vomiting.  
SECTION 8 deleted: If ventilation is insufficient, wear respiratory protection.  
SECTION 8 been added: In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection.  
SECTION 8 deleted: Nitrile rubber, >480 min (EN 374-1/-2/-3).  
SECTION 11 deleted: Irritant  
SECTION 11 been added: Based on the available information, the classification criteria are not fulfilled.  
SECTION 16 deleted:  
SECTION 16 deleted: Calculation method  
SECTION 16 deleted: Calculation method  
SECTION 16 deleted: Calculation method

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