

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

CEKA BOND

Contains:

Hydroxypropyl methacrylate
2,2'-ethylenedioxydiethyl dimethacrylate
Methacryloxyethyl succinate
Cumene hydroperoxide
Acetic acid, 2-phenylhydrazide
2-hydroxyethyl methacrylate

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

Intended use:

Anaerobic adhesive

1.3 Details of the supplier of the safety data sheet

ALPHADENT NV, Mannebeekstraat 33, 8790 Waregem, Belgium, T +32 (0)56 629 531

1.4 Emergency telephone number

Belgian Poison Control Centre (24 hours) **070 245 245** or call a poison control centre in your area

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (CLP):

Serious eye irritation	Category 2
H319 Causes serious eye irritation	
Skin sensitizer	Category 1
H317 May cause an allergic skin reaction	
Specific target organ toxicity – single exposure	Category 3
H335 May cause respiratory irritation	
Target organ: respiratory tract irritation	

2.2 Label elements

Label elements (CLP):

Hazard pictogram



Signal word:

Warning

Hazard statement: H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H335 May cause respiratory irritation

Precautionary statement: ***For consumer use only: P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P501 Dispose of waste and residues in accordance with local authority requirements.***

Precautionary statement: P261 Avoid breathing vapours
Prevention P280 Wear protective gloves

Precautionary statement: P333+P313 If skin irritation or rash occurs: get medical advice/
Response attention
P337+P313 If eye irritation persists: get medical advice/attention

2.3 Other hazards

Non corrosive to eyes according to test method OECD 438 or based on analogy with similar products tested.

3. Composition/information on ingredients

3.1 Mixtures

General chemical description:
Anaerobic adhesive

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

Hazardous components CAS No	EC number REACH Reg. No	Content	Classification
Hydroxypropyl methacrylate 27813-02-1	248-666-3 01-2119490226-37	25-50%	Skin Sens. 1; H317 Eye Irrit. 2; H 319
2,2'-ethylenedioxydiethyl dimethacrylate 109-16-0	203-652-6 01-2119969287-21	5- <10%	Skin Sens. 1B; H317
Methacryloxyethyl succinate 20882-04-6	244-096-4	1- <3%	Skin Irrit. 2; Dermal; H315 Skin Sens. 1; Dermal; H317 Eye Dam. 1; H318
Cumene hydroperoxide 80-15-09	201-254-7	1- <2.5%	Acute Tox. 4; Dermal; H312 STOT RE 2; H373 Acute Tox. 4; Oral; H302 Org. Perox. E; H242 Acute Tox. 3; Inhalation; H331 Skin Corr. 1B; H314 Aquatic Chronic 2; H411
Methacrylic acid 79-41-4	201-204-4 01-2119463884-26	0.1- <1%	Acute Tox. 4; Oral; H302 Acute Tox. 3; Dermal; H311 Acute Tox. 4; Inhalation; H332 Skin Corr. 1A; H314

Acetic acid, 2-phenylhydrazide 114-83-0	204-055-3	0.1- <1%	Acute Tox. 3; Oral; H301 Skin Irrit. 2; Dermal; H315 Eye Irrit. 2; H319 STOT RE 3; Inhalation; H335 Skin Sens. 1; H317
2-hydroxyethyl methacrylate 868-77-9	212-782-2 01-2119490169-29	0.1- < 1%	Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Irrit. 2; H319
1-Naphthalenedione 130-15-4	204-977-6	0.01- <0.1%	Acute Tox. 3; Oraal; H301 Skin Irrit. 2; Dermaal; H315 Skin Sens. 1; H317 Eye Irrit. 2; H319 Acute Tox. 1; Inademing; H330 STOT RE 3; Inademing; H335 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-factor 10

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.

4. First aid measures

4.1 Description of first aid measures

Inhalation:

Move to fresh air. If symptoms persist, seek medical advice.

Skin contact:

Rinse with running water and soap.
Obtain medical attention if irritation persists.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

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

EYES: irritation, conjunctivitis

RESPIRATORY: irritation, coughing, shortness of breath, chest tightness

SKIN: rash, urticaria

4.3 Indication of any immediate medical attention and special treatment needed

See section: Description of first aid measures

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Carbon dioxide, foam, powder

Extinguishing media which must not be used for safety reasons:

Non known

5.2 Special hazards arising from the substance or mixture

In the event of a fire, carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x) can be released.

5.3 Advice for firefighters

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Additional information:

In case of fire, keep containers cool with water spray.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid skin and eye contact.

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.

6.4 Reference to other sections

See advice in section 8.

7. Handling and storage

7.1 Precautions for safe handling

Use only in well-ventilated areas.

Avoid skin and eye contact.

Prolonged or repeated skin contact should be avoided.

Hygiene measures:

Wash hands before work breaks and after finishing work.

Do not eat, drink or smoke while working.

Good industrial hygiene practices should be observed.

7.2 Conditions for safe storage, including any incompatibilities

Store in original containers at 8-21 °C (46.6-69.8 °F) and do not return residual materials to containers as contamination may reduce the shelf life of the bulk product.
Refer to Technical Data Sheet.

7.3 Specific end use(s)

Anaerobic adhesive

8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Valid for Great Britain

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short-term exposure limit category / Remarks	Regulatory list
Methacrylic acid 79-41-4 [METHACRYLIC ACID]	40	143	Short Term Exposure Limit (STEL)		EH 40/WEL
Methacrylic acid 79-41-4 [METHACRYLIC ACID]	20	72	Time Weighted Average (TWA)		EH 40/WEL
Cumene 98-82-8 [CUMENE]	50	250	Short Term Exposure Limit (STEL)		EH 40/WEL
Cumene 98-82-8 [CUMENE]			Skin designation	Can be absorbed through the skin	EH 40/WEL
Cumene 98-82-8 [CUMENE]	25	125	Time Weighted Average (TWA)		EH 40/WEL
Cumene 98-82-8 [CUMENE]	50	250	Short Term Exposure Limit (STEL)	Indicative	ECTLV
Cumene 98-82-8 [CUMENE]	20	100	Time Weighted Average (TWA)	Indicative	ECTLV

Predicted No-Effect Concentration (PNEC):

Name on list	Environmental compartment	Exposure period	Value			Remarks
			mg/l	ppm	mg/kg	
Methacrylic acid, monoester with propane-1,2-diol 27813-02-1	aqua (freshwater)		0.904			

Methacrylic acid, monoester with propane-1,2-diol 27813-02-1	aqua (marine water)		0.904			
Methacrylic acid, monoester with propane-1,2-diol 27813-02-1	STP		10			
Methacrylic acid, monoester with propane-1,2-diol 27813-02-1	aqua (intermittent releases)		0.972			
Methacrylic acid, monoester with propane-1,2-diol 27813-02-1	sediment (freshwater)				6.28	
Methacrylic acid, monoester with propane-1,2-diol 27813-02-1	sediment (marine water)				6.28	
Methacrylic acid, monoester with propane-1,2-diol 27813-02-1	soil				0.727	
2,2'-ethylenedioxydiethyl dimethacrylate 109-16-0	aqua (freshwater)		0.164			
2,2'-ethylenedioxydiethyl dimethacrylate 109-16-0	aqua (marine water)		0.0164			
2,2'-ethylenedioxydiethyl dimethacrylate 109-16-0	STP		10			
2,2'-ethylenedioxydiethyl dimethacrylate 109-16-0	water (intermittent releases)		0.164			
2,2'-ethylenedioxydiethyl dimethacrylate 109-16-0	sediment (freshwater)				1.85	
2,2'-ethylenedioxydiethyl dimethacrylate 109-16-0	sediment (marine water)				0.185	
2,2'-ethylenedioxydiethyl dimethacrylate 109-16-0	soil				0.274	

Derived No-Effect Level (DNEL):

Name on list	Application area	Route of exposure	Health effect	Exposure time	Value	Remarks
Methacrylic acid, monoester with propane-1,2-diol 27813-02-1	Workers	Dermal	Long-term exposure – systemic effects		4.2 mg/kg bw/day	
Methacrylic acid, monoester with propane-1,2-diol 27813-02-1	Workers	Inhalation	Long-term exposure – systemic effects		14.7 mg/m ³	
Methacrylic acid, monoester with propane-1,2-diol 27813-02-1	General population	Dermal	Long-term exposure – systemic effects		2.5 mg/kg bw/day	
Methacrylic acid, monoester with propane-1,2-diol 27813-02-1	General population	Inhalation	Long-term exposure – systemic effects		8.8 mg/m ³	
Methacrylic acid, monoester with propane-1,2-diol 27813-02-1	General population	Oral	Long-term exposure – systemic effects		2.5 mg/kg bw/day	
2,2'-ethylenedioxydiethyl dimethacrylate 109-16-0	Workers	Inhalation	Long-term exposure – systemic effects		48.5 mg/m ³	
2,2'-ethylenedioxydiethyl dimethacrylate 109-16-0/109-16-0	Workers	Dermal	Long-term exposure – systemic effects		13.9 mg/kg bw/day	
2,2'-ethylenedioxydiethyl dimethacrylate 109-16-0	General population	Inhalation	Long-term exposure – systemic effects		14.5 mg/m ³	

2,2'-ethylenedioxydiethyl dimethacrylate 109-16-0	General population	Dermal	Long-term exposure – systemic effects		8.33 mg/kg bw/day	
2,2'-ethylenedioxydiethyl dimethacrylate 109-16-0	General population	Oral	Long-term exposure – systemic effects		8.33 mg/kg bw/day	

Biological exposure indices:

None

8.2 Exposure controls

Engineering controls:

Ensure good ventilation/extraction.

Respiratory protection:

Ensure adequate ventilation.

An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area.

Filter type: A

Hand protection:

Chemical-resistant protective gloves (EN 374).

Suitable materials for short-term contact or splashes (recommended: at least protection index, corresponding to > 30 minutes permeation time as per EN 374):

nitrile rubber (NBR; ≥ 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; ≥ 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:

Safety glasses with sideshields or chemical safety goggles must be worn if there is a risk of splashing.

Skin protection:

Wear suitable protective clothing.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	liquid green
Odour	mild
Odour threshold	no data available / not applicable
pH	no data available / not applicable
Initial boiling point	> 149 °C
Flash point	> 93 °C
Decomposition temperature	no data available / not applicable
Vapour pressure (20 °C - 78 °F)	0.3000000 mbar
Density	1.1 g/cm ³
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 (Solvent: water)	partially soluble
Solubility qualitative (Solvent: acetone)	miscible
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
Vapour density	no data available / not applicable
Oxidizing properties	no data available / not applicable

9.2 Other information

No data available / Not applicable

10. Stability and reactivity

10.1 Reactivity

Reacts 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

No decomposition if used according to specifications.

10.5 Incompatible materials

See section reactivity.

10.6 Hazardous decomposition products

Carbon oxides

11. Toxicological information

11.1 Information on toxicological effects

General toxicological information:

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex 1 to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

STOT-single exposure:

May cause respiratory irritation.

Oral toxicity:

May cause irritation to the digestive tract.

Skin irritation:

Prolonged or repeated contact may cause skin irritation.

Eye irritation:

Causes serious eye irritation.

Non corrosive to eyes according to test method OECD 438 or based on analogy with similar products tested.

Sensitizing:

May cause an allergic skin reaction.

Acute oral toxicity:

Hazardous components CAS No	Value type	Value	Route of application	Exposure time	Species	Method
Hydroxypropyl methacrylate 27813-02-1	LD50	> 2,000 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)
2,2'-ethylenedioxy-diethyl dimethacrylate 109-16-0	LD50	10,837 mg/kg	oral		rat	
Methacryloxyethyl succinate 20882-04-6	LD50	> 2,000 mg/kg	oral		not specified	
Cumene hydroperoxide 80-15-9	LD50	550 mg/kg	oral		rat	
Methacrylic acid 79-41-4	LD50	1,320 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)

Acute inhalative toxicity:

Hazardous components CAS No	Value type	Value	Route of application	Exposure time	Species	Method
Methacrylic acid 79-41-4	LC50	4.7 mg/l	inhalation	4 h	rat	OECD Guideline 401 (Acute Inhalation Toxicity)

Acute dermal toxicity:

Hazardous components CAS No	Value type	Value	Route of application	Exposure time	Species	Method
Hydroxypropyl methacrylate 27813-02-1	LD50	> 5,000 mg/kg	dermal		rabbit	
Methacrylic acid 79-41-4	Acute toxicity estimate (ATE)	500 mg/kg	dermal		rabbit	Expert judgement
Methacrylid acid 79-41-4	LD50	500-1,000 mg/kg	dermal		rabbit	Dermal Toxicity Screening
2-hydroxyethyl methacrylate 868-77-9	LD50	> 3,000 mg/kg	dermal		rabbit	

Skin corrosion/irritation:

Hazardous components CAS No	Result	Exposure time	Species	Method
Cumene hydroperoxide 80-15-9	corrosive		rabbit	Draize test
Methacrylic acid 79-41-4	category 1A (corrosive)		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous components CAS No	Result	Exposure time	Species	Method
2,2'-ethylenedioxydiethyl dimethacrylate 109-16-0	slightly irritating	24 h	Rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hazardous components CAS No	Result	Test type	Species	Method
Methacrylic acid 79-41-4	not sensitizing	Buehler test	guinea pig	Buehler test

Germ cell mutagenicity:

Hazardous components CAS No	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Cumene hydroperoxide 80-15-9	positive	bacterial reverse mutation assay (e.g. Ames test)	without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Cumene hydroperoxide 80-15-9	negative	dermal		mouse	

2-hydroxyethyl methacrylate 868-77-9	negative	bacterial reverse mutation assay (e.g. Ames test)	with and without		
	positive	in vitro mammalian chromosome aberration test	with and without		

Repeated dose toxicity:

Hazardous components CAS No	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Cumene hydroperoxide 80-15-9		inhalation: aerosol	6 h/d 5 d/w	rat	

12. Ecological information

General ecological information:

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex 1 to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

12.1 Toxicity

Ecotoxicity:

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

Hazardous components CAS No	Value type	Value	Acute toxicity study	Exposure time	Species	Method
Hydroxypropyl methacrylate 27813-02-1	LC50	493 mg/l	Fish	48 h	Leuciscus idus melanotus	DIN 38412-15
Hydroxypropyl methacrylate 27813-02-1	EC50	> 130 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
2,2'-ethylenedioxy-diethyl dimethacrylate 109-16-0	LC50	16.4 mg/l	Fish	96 h		OECD Guideline 203 (Fish, Acute Toxicity Test)
Cumene hydroperoxide 80-15-9	LC50	3.9 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Cumene hydroperoxide 80-15-9	EC50	18 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Cumene hydroperoxide 80-15-9	ErC50	3.1 mg/l	Algae	72 h	Pseudokirchnerella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Methacrylic acid 79-41-4	LC50	85 mg/l	Fish	96 h	Salmo gairdneri (new name: Oncorhynchus mykiss)	EPA OTS 797,1400 (Fish Acute Toxicity Test)
Methacrylic acid 79-41-4	EC50	> 130 mg/l	Daphnia	48 h	Daphnia magna	EPA OTS 797,1300 (Aquatic Invertebrate Acute Toxicity Test, Freshwater Daphnids)
Methacrylic acid 79-41-4	EC50	45 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudo-kirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)

Methacrylic acid 79-41-4	NOEC	8.2 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudo-kirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
2-hydroxyethyl methacrylate 868-77-9	LC50	227 mg/l	Fish	96 h	Pinephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
2-hydroxyethyl methacrylate 868-77-9	EC50	380 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
2-hydroxyethyl methacrylate 868-77-9	NOEC	160 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudo-kirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
2-hydroxyethyl methacrylate 868-77-9	EC50	345 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudo-kirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
2-hydroxyethyl methacrylate 868-77-9	NOEC	24,1 mg/l	Chronic Daphnia	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)
1-Naphthalenedione 130-15-4	EC50	0.011 mg/l	Algae	72 h	Dunaliella bioculata	OECD Guideline 201 (Alga, Growth Inhibition Test)

12.2 Persistence and biodegradability

Persistence and biodegradability:

The product is not biodegradable.

Hazardous components CAS No	Result	Route of application	Degradability	Method
Hydroxypropyl methacrylate 27813-02-1	readily biodegradable	aerobic	94,2 %	OECD Guideline 301 E (Ready Biodegradability: Modified OECD Screening Test)
2,2'-ethylenedioxydiethyl dimethacrylate 109-16-0	readily biodegradable		85 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Cumene hydroperoxide 80-15-9		no data	0 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Methacrylic acid 79-41-4	readily biodegradable	aerobic	86 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
2-hydroxyethyl methacrylate 868-77-9	readily biodegradable	aerobic	92-100 %	OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))
1-Naphthalenedione 130-15-4		no data		

12.3 Bioaccumulative potential / 12.4 Mobility in soil

Mobility:

Cured adhesives are immobile.

Bioaccumulative potential:

No data available for the product.

Hazardous components CAS No	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Hydroxypropyl methacrylate 27813-02-1	0.97					
2,2'-ethylenedioxydiethyl dimethacrylate 109-16-0	1.88					
Methacryloxyethyl succinate 20882-04-6	0.783				23 °C	EU Method A.8 (Partition Coefficient)
Cumene hydroperoxide 80-15-9		9.1		calculation		OECD Guideline 305 (Bioconcentration : Flow-through Fish Test)
Cumene hydroperoxide 80-15-9	2.16					
Methacrylic acid 79-41-4	0.93				22 °C	OECD Guideline 107 (Partition Coefficient (n-octanol/water), Shake Flask Method)
Acetic acid, 2-phenylhydrazide 114-83-0	0.74					
1-Naphthalenedione 130-15-4	1.71					

12.5 Resultats of PBT and vPvB assessment

Hazardous components CAS No	PBT/vPvB
Hydroxypropyl methacrylate 27813-02-1	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria
2,2'-ethylenedioxydiethyl dimethacrylate 109-16-0	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria
Methacrylic acid 79-41-4	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria
2-hydroxyethyl methacrylate 868-77-9	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria

12.6 Other adverse effects

No data available

13. Disposal considerations

13.1 Waste treatment methods

Product disposal:

Dispose of in accordance with local and national regulations.

Disposal of uncleaned packages:

After use, tubes, cartons and bottles containing residual product should be disposed of chemically contaminated waste in an authorized legal land fill site or incinerated.

Disposal must be made according to official regulations.

Waste code:

08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances. The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the

various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

14. Transport information

14.1 UN number

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR

14.2 UN proper shipping name

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR

14.3 Transport hazard class(es)

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR

14.4 Packaging group

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR

14.5 Environmental hazards

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR

14.6 Special precautions for user

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR

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

Not applicable

15. Regulatory information

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

VOC content (2010/75/EC) < 3%

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

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:

H242 Heating may cause a fire
H301 Toxic if swallowed
H302 Harmful if swallowed
H311 Toxic in contact with skin

- 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
- H330 Fatal if inhaled
- H331 Toxic if inhaled
- H332 Harmful if inhaled
- H335 May cause respiratory irritation
- H351 Suspected of causing cancer
- H373 May cause damage to organs through prolonged or repeated exposure
- H400 Very toxic to aquatic life
- H410 Very toxic to aquatic life with long-lasting effects
- 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.

Label elements (DPD):

Xi – Irritant



R phrases:

- R36/37 Irritating to eyes and respiratory system
- R43 May cause sensitization by skin contact

S phrases:

- S23 Do not breathe vapour
- S24 Avoid skin contact
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- S37 Wear suitable gloves

Additional labelling:

- For consumer use only: S2 Keep out of the reach of children
- S46 If swallowed, seek medical advice immediately and show this container or label

Contains:

- Hydroxypropyl methacrylate
- 2,2'-ethylenedioxydiethyl dimethacrylate
- Methacryloxyethyl succinate