Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830

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

1.1. Product identifier

Article No. (manufacturer/supplier):	UE 17-9597/0
Trade name/designation	2K-UV-LACK

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

Relevant identified uses
Coating material

1.3. Details of the supplier of the safety data sheet

supplier (manufacturer/importer/downstream user/distributor)

Lankwitzer Lackfabrik GmbH

Haynauer Straße 61 - 63 , D-12249 Berlin	Tel.: +49 30 768887-100, Fax: +49 30 768887-115
Hoppenstedter Str. 2, D-38835 Osterwieck	Tel.: +49 30 768887-0, Fax: +49 30 768887-380
Zschortauer Straße 73 - 77 , D-04129 Leipzig	Tel.: +49 30 768887-200, Fax: +49 30 768887-222

Department responsible for information:

Work safety department	
E-mail (competent person)	info@lankwitzer.com

1.4. Emergency telephone number

Emergency telephone number	+49 30 768887-0

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

Skin Irrit. 2 / H315	Skin corrosion/irritation	Causes skin irritation.
Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.
Skin Sens. 1 / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.
Repr. 2 / H361	Reproductive toxicity	Suspected of damaging fertility or the unborn child.
Aquatic Chronic 2 / H411	Hazardous to the aquatic environment	Toxic to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms

Warning

Hazard statements

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.
H361	Suspected of damaging fertility or the unborn child.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P280	Wear protective gloves and eye/face protection.

Hazard components for labelling

2-Phenoxyethylacrylate
2-hydroxypropyl methacrylate
(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate
Glycerol trimethacrylate
Ethoxylated trimethylolpropane triacrylate
Bisphenol A diglycidyl diacrylate
Tris(N-hydroxy-N-nitrosophenylaminato-O,O')aluminium
2-Propenoic acid, ester with 1,3,5-tris(2-hydroxyethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione
(benzothiazol-2-ylthio)succinic acid

phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide

Supplemental hazard information
not applicable

2.3. **Other hazards**

No information available.

SECTION 3: Composition/information on ingredients

3.1. **Substances**

This product is a preparation.

3.2. **Mixtures**

Description mixture: synthetic binders, pigments, extenders

Classification according to Regulation (EC) No 1272/2008 [CLP]

EC No. CAS No. Index No.	REACH No. Designation classification: // Remark	weight-%
256-360-6 48145-04-6 607-133-00-9	01-2119980532-35-XXXX 2-Phenoxyethylacrylate Skin Sens. 1 H317 / Repr. 2 H361 / Aquatic Chronic 2 H411	25 - 50
915-672-9 88403-03-6	01-2120769731-47-XXXX 2-Propenoic acid, ester with 1,3,5-tris(2-hydroxyethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione Skin Irrit. 2 H315 / Eye Irrit. 2 H319 / Skin Sens. 1 H317 / Aquatic Chronic 3 H412	25 - 50
401-450-4 95154-01-1 607-179-00-X	01-0000015131-86-XXXX (benzothiazol-2-ylthio)succinic acid Skin Sens. 1 H317	2,5 - 10
432-840-2 220926-97-6 616-201-00-7	01-0000017900-73-XXXX 12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine Acute Tox. 4 H332 / Aquatic Chronic 4 H413	2,5 - 10
423-340-5 162881-26-7 015-189-00-5	01-2119489401-38-0000 phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide Skin Sens. 1A H317 / Aquatic Chronic 4 H413	2,5 - 10
231-272-0 7473-98-5	01-2119472306-39-XXXX 2-Hydroxy-2-methylpropiophenone Acute Tox. 4 H302 / Aquatic Chronic 3 H412	2,5 - 10
256-032-2 42978-66-5 607-249-00-X	01-2119484613-34-xxxx (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate Eye Irrit. 2 H319 / STOT SE 3 H335 / Skin Irrit. 2 H315 / Skin Sens. 1 H317 / Aquatic Chronic 2 H411 Specific concentration limit (SCL): STOT SE 3 H335 >= 10	0,1 - 2,5
500-130-2 55818-57-0	01-2119490020-53-XXXX Bisphenol A diglycidyl diacrylate Skin Sens. 1 H317 / Aquatic Chronic 2 H411	0,1 - 2,5
204-881-4 128-37-0	01-2119555270-46-XXXX 2,6-di-tert-butyl-p-cresol Aquatic Acute 1 H400 / Aquatic Chronic 1 H410 (M = 1)	0,1 - 2,5
500-114-5 52408-84-1	01-2119487948-12-XXXX Glycerol trimethacrylate Eye Irrit. 2 H319 / Skin Sens. 1 H317	0,1 - 2,5
201-177-9 79-10-7 607-061-00-8	01-2119452449-31 acrylic acid Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Acute Tox. 4 H312 / Acute Tox. 4 H302 / Skin Corr. 1A H314 / Aquatic Acute 1 H400 Specific concentration limit (SCL): STOT SE 3 H335 >= 1	0,1 - 2,5
500-066-5 28961-43-5	01-2119489900-30-xxxx Ethoxylated trimethylolpropane triacrylate Eye Irrit. 2 H319 / Skin Sens. 1 H317	0,1 - 2,5

213-090-3	01-2119459345-34-xxxx	
923-26-2	2-hydroxypropyl methacrylate	0,1 - 2,5
607-125-00-5	Eye Irrit. 2 H319 / Skin Sens. 1 H317	
239-341-7	01-2120258413-59-xxxx	
15305-07-4	Tris(N-hydroxy-N-nitrosophenylaminato-O,O')aluminium	0,1 - 2,5
	Acute Tox. 4 H302 / Skin Sens. 1B H317 / Aquatic Chronic 1 H410	

Additional information
Full text of classification: see section 16

SECTION 4: First aid measures

4.1. **Description of first aid measures**

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

In case of inhalation
Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact
Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners. Following skin contact
Conditions to avoid UV-radiation/sunlight
Causes mild skin irritation.

After eye contact
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

Following ingestion
If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

4.2. **Most important symptoms and effects, both acute and delayed**
In all cases of doubt, or when symptoms persist, seek medical advice.

4.3. **Indication of any immediate medical attention and special treatment needed**
First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. **Extinguishing media**

Suitable extinguishing media
alcohol resistant foam, carbon dioxide fire blanket, Powder, spray mist, (water)

Unsuitable extinguishing media
strong water jet

5.2. **Special hazards arising from the substance or mixture**
Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3. **Advice for firefighters**
Provide a conveniently located respiratory protective device.Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1. **Personal precautions, protective equipment and emergency procedures**
Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours.

6.2. **Environmental precautions**
Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3. **Methods and material for containment and cleaning up**
Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

6.4. **Reference to other sections**
Observe protective provisions (see section 7 and 8).

SECTION 7: Handling and storage

Persons with a history of skin sensitisation problems should not be employed in any process in which this product is used.

7.1. **Precautions for safe handling**

Advices on safe handling

Use only in well-ventilated areas. Keep away from heat sources, sparks and open flames. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

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

Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRGS 727)".

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 5 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Keep only in the original container.

7.3. **Specific end use(s)**
Observe technical data sheet.Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. **Control parameters**
Occupational exposure limit values

2,6-di-tert-butyl-p-cresol
EC No. 204-881-4 / CAS No. 128-37-0
WEL, TWA: 10 mg/m3

acrylic acid
Index No. 607-061-00-8 / EC No. 201-177-9 / CAS No. 79-10-7
WEL, TWA: 29 mg/m3; 10 ppm
WEL, STEL: 59 mg/m3; 20 ppm
Remark: (Short-term exposure limit value in relation to areference period of 1 minute.)

Additional information

Stated values are taken from the then applicable German TRGS 900 or the German VCI table for exposure limit values.
TWA (EC): occupational exposure limit value
STEL (EC): short-term occupational exposure limit value

8.2. **Exposure controls**
Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Personal protection equipment

Respiratory protection
If the product contains organic solvents:
If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Use only respiratory protection equipment with CE-symbol including four digit test number.

Hand protection
For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber)
Thickness of the glove material > 0,4 mm ; Breakthrough time: 240 min
Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove

manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles EN ISO 374
Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye/face protection
Wear closely fitting protective glasses in case of splashes.

Body protection
Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

Protective measures
After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls
Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. **Information on basic physical and chemical properties**

Appearance:	
Physical state:	**Liquid**
Colour:	**see 1.1**
Odour:	**typically**
Odour threshold:	**not applicable**
pH at 20 °C:	**not applicable**
Melting point/freezing point:	**not applicable**
Initial boiling point and boiling range:	**not applicable**
Flash point:	**101 °C** Method: DIN EN ISO 1523
Evaporation rate:	**not applicable**
flammability	
Burning time:	**not applicable**
Upper/lower flammability or explosive limits:	
Lower explosion limit:	**0,8 Vol-%** Method: literature value
Upper explosion limit:	**not applicable**
Vapour pressure at 20 °C:	**not applicable**
Vapour density:	**not applicable**
Relative density:	
Density at 20 °C:	**1,16 g/cm³** Method: DIN EN ISO 2811-1
Solubility(ies):	
Water solubility at 20 °C:	**not applicable**
Partition coefficient: n-octanol/water:	**see section 12**
Auto-ignition temperature:	**not applicable**
Decomposition temperature:	**not applicable**
Viscosity at °C:	**600- 1000mPas20C**
Explosive properties:	**not applicable**
Oxidising properties:	**not applicable**

9.2. **Other information**

Solid content:	**99 weight-%**
solvent content:	
Organic solvents:	**1 weight-%**
Water:	**0 weight-%**
Solvent separation test:	**< 3 weight-% (ADR/RID)**

SECTION 10: Stability and reactivity

10.1. **Reactivity**
No information available.

10.2. **Chemical stability**
Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.3. **Possibility of hazardous reactions**
Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4. **Conditions to avoid**
This preparation contains material instable under the following conditions: Heat, strong ultraviolet radiation. An exotherm polymerization of the product may thereby be caused. Avoid unintended contact with it. Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5. **Incompatible materials**
not applicable

10.6. **Hazardous decomposition products**
Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

SECTION 11: Toxicological information

Classification according to Regulation (EC) No 1272/2008 [CLP]

11.1. **Information on toxicological effects**

Acute toxicity

2-hydroxypropyl methacrylate
oral, LD50, Rat: > 2000 mg/kg

acrylic acid
dermal, LD50, Rabbit: > 290 mg/kg
inhalative (vapours), LC50, Rat: 3,6 mg/L (4 h)

(benzothiazol-2-ylthio)succinic acid
oral, LD50, Rat: > 2000 mg/kg
dermal, LD50, Rat: > 2000 mg/kg

(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate
oral, LD50, Rat: > 2000 mg/kg
dermal, LD50, Rabbit: > 2000 mg/kg
Method: OECD 402

phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide
oral, LD50, Rat: > 2000 mg/kg
Method: OECD 401
dermal, LD50, Rat: > 2000 mg/kg
Method: OECD 402

12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine
dermal, LD50, Rat: > 2000 mg/kg
Method: OECD 402
inhalative (dust and mist), LC50, Rat: 3,56 mg/L (4 h)
Method: OECD 403

2-Hydroxy-2-methylpropiophenone
oral, LD50, Rat: 1694 mg/kg
Method: OECD 401
dermal, LD50, Rat: 6929 mg/kg
Method: OECD 402

2-Phenoxyethylacrylate
dermal, LD50, Rat: 2000 mg/kg
dermal, LD50, Rabbit: 1800 mg/kg

2,6-di-tert-butyl-p-cresol
oral, LD50, Rat: > 5000 mg/kg
Method: OECD 401
dermal, LD50, Rat: > 5000 mg/kg
Method: OECD 402

Tris(N-hydroxy-N-nitrosophenylaminato-O,O')aluminium
oral, LD50, Rat: 500 mg/kg

Skin corrosion/irritation; Serious eye damage/eye irritation

Causes skin irritation.

Causes serious eye irritation.

Bisphenol A diglycidyl diacrylate
Skin (4 h)

Respiratory or skin sensitisation

May cause an allergic skin reaction.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Suspected of damaging fertility or the unborn child.

STOT-single exposure; STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Practical experience/human evidence

The fractions of acrylic resin in the preparation have an irritant effect. Prolonged or repeated contact with the preparation can lead to irritations of mucous membranes and of skin such as redness, formation of blebs, dermatitis, etc.. Cases of allergic skin reactions have been observed. Liquid splashes can lead to irritations of the eyes. Inhaling of drolets in the air or aerosols may lead to irritations of the respiratory tract . Ingestion may cause nausea, weakness and affect the central nervous system.

Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

SECTION 12: Ecological information

Classification according to Regulation (EC) No 1272/2008 [CLP]
Do not allow to enter into surface water or drains.

12.1. **Toxicity**

acrylic acid
Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 27 mg/L (96 h)
Daphnia toxicity, EC50, Daphnia magna (Big water flea): 95 mg/L (48 h)

(benzothiazol-2-ylthio)succinic acid
Fish toxicity, LC50, Danio rerio (zebrafish): > 100 mg/L (96 h)
Algae toxicity, ErC50, Desmodesmus subspicatus.: 99 mg/L (72 h)
Daphnia toxicity, EC50, Daphnia magna: > 180 mg/L (24 h)

phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide
Fish toxicity, LC50, Danio rerio (zebrafish): > 0,09 mg/L (96 h)
Method: OECD 203
Daphnia toxicity, EC50, Daphnia magna (Big water flea): > 1,175 mg/L (48 h)
Method: OECD 202
Algae toxicity, EC50, Scenedesmus subspicatus: > 0,26 mg/L (72 h)
Method: OECD 201

2-Hydroxy-2-methylpropiophenone
Daphnia toxicity, EC50, Daphnia magna: 0,67 mg/L (48 h)
Method: OECD 202
Algae toxicity, ErC50, Desmodesmus subspicatus: 1,92 mg/L (72 h)
Method: OECD 201
Acute (short-term) fish toxicity, LC50, Leuciscus idus (golden orfe): 160 mg/L (48 h)

2-Phenoxyethylacrylate
Daphnia toxicity, EC50, Daphnia magna (48 h)
Algae toxicity, IC50:: 4,4 mg/L (72 h)

2,6-di-tert-butyl-p-cresol
Daphnia toxicity, EC50, Daphnia pulex: 1,44 mg/L (48 h)
Method: OECD 202
Algae toxicity, ErC50, Algae: > 7 mg/L (72 h)

Method: OECD 201

2-Propenoic acid, ester with 1,3,5-tris(2-hydroxyethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione
Fish toxicity, LC50, Danio rerio (zebrafish): 22,64 mg/L (96 h)
Daphnia toxicity, EC50, Daphnia magna: 158,3 mg/L (48 h)
Algae toxicity, EC50, Desmodesmus subspicatus: 18,8 (72 h)

Long-term Ecotoxicity

Toxic to aquatic life with long lasting effects.

(benzothiazol-2-ylthio)succinic acid
Daphnia toxicity, NOEC, Daphnia magna: 100 mg/L
Method: OECD 211
Algae toxicity, NOEC, Desmodesmus subspicatus.: 32 mg/L (72 D)
Method: OECD 201

(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate
Fish toxicity, LC50, Leuciscus idus (golden orfe) 4,6 (96 h)
Method: DIN 38412 / part 15
Daphnia toxicity, EC50, Daphnia magna: 89 mg/L (48 h)
Fish toxicity, NOEC, Leuciscus idus (golden orfe): 2,15 mg/L (96 h)
Algae toxicity, EC50, Scenedesmus subspicatus: 65,9 mg/L (72 h)
Method: DIN 38412 / part 9
Bacteria toxicity, EC50, Activated sludge: > 1000 mg/L (30 min)

12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine
Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): > 100 mg/L (96 h)
Method: OECD 203
Daphnia toxicity, EC50, Daphnia magna: > 100 mg/L (48 h)
Method: OECD 202
Algae toxicity, NOEC, Pseudokirchneriella subcapitata: 100 mg/L (72 h)
Method: OECD 201
Algae toxicity, EC50, Pseudokirchneriella subcapitata: > 100 (72 h)
Method: OECD 201

2-Phenoxyethylacrylate
Fish toxicity, LC50, fish 1 - 10 mg/L (96 h)

2-Propenoic acid, ester with 1,3,5-tris(2-hydroxyethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione
Daphnia toxicity, EC50, Daphnia magna: > 100 mg/L (21 d)

Tris(N-hydroxy-N-nitrosophenylaminato-O,O')aluminium
Daphnia toxicity, EC50: 0,535 mg/L (48 h)
Method: OECD 202
Algae toxicity, NOEC: 10,4 mg/L
Method: OECD 201
Algae toxicity, EC50: 11,5 mg/L (72 h)
Method: OECD 201

12.2. **Persistence and degradability**
Toxicological data are not available.

12.3. **Bioaccumulative potential**
Toxicological data are not available.

Bioconcentration factor (BCF)

Toxicological data are not available.

12.4. **Mobility in soil**
Toxicological data are not available.

12.5. **Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. **Other adverse effects**
No information available.

SECTION 13: Disposal considerations

13.1. **Waste treatment methods**

Appropriate disposal / Product

Recommendation
Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

List of proposed waste codes/waste designations in accordance with EWC

080111*	Waste paint and varnish containing organic solvents or other dangerous substances
150110*	packaging containing residues of or contaminated by dangerous substances

*Hazardous waste according to Directive 2008/98/EC (waste framework directive).

Appropriate disposal / Package
Recommendation
Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

14.1. **UN number**

UN 3082

14.2. **UN proper shipping name**

Land transport (ADR/RID):	Environmentally hazardous substance, liquid, n.o.s. (2-phenoxyethyl acrylate)
Sea transport (IMDG):	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-phenoxyethyl acrylate)
Air transport (ICAO-TI / IATA-DGR):	Environmentally hazardous substance, liquid, n.o.s. (2-phenoxyethyl acrylate)

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

9

14.4. **Packing group**

III

14.5. **Environmental hazards**

Land transport (ADR/RID)	ENVIRONMENTALLY HAZARDOUS
Marine pollutant	p / 2-phenoxyethyl acrylate

14.6. **Special precautions for user**

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.
Advices on safe handling: see parts 6 - 8

Further information

Land transport (ADR/RID)

tunnel restriction code	-

Sea transport (IMDG)

EmS-No.	F-A, S-F

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**

EU legislation

Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]
VOC-value (in g/L): see Technical Datasheet

National regulations

Restrictions of occupation
Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

15.2. **Chemical Safety Assessment**
Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Full text of classification in section 3:

Skin Sens. 1 / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.
Repr. 2 / H361	Reproductive toxicity	Suspected of damaging fertility or the unborn child (state specific effect if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
Aquatic Chronic 2 / H411	Hazardous to the aquatic environment	Toxic to aquatic life with long lasting effects.
Skin Irrit. 2 / H315	Skin corrosion/irritation	Causes skin irritation.
Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.
Aquatic Chronic 3 / H412	Hazardous to the aquatic environment	Harmful to aquatic life with long lasting effects.
Acute Tox. 4 / H332	Acute toxicity (inhalative)	Harmful if inhaled.
Aquatic Chronic 4 / H413	Hazardous to the aquatic environment	May cause long lasting harmful effects to aquatic life.
Skin Sens. 1A / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.
Acute Tox. 4 / H302	Acute toxicity (oral)	Harmful if swallowed.
STOT SE 3 / H335	STOT-single exposure	May cause respiratory irritation.
Aquatic Acute 1 / H400	Hazardous to the aquatic environment	Very toxic to aquatic organisms.
Aquatic Chronic 1 / H410	Hazardous to the aquatic environment	Very toxic to aquatic life with long lasting effects.
Flam. Liq. 3 / H226	Flammable liquids	Flammable liquid and vapour.
Acute Tox. 4 / H312	Acute toxicity (dermal)	Harmful in contact with skin.
Skin Corr. 1A / H314	Skin corrosion/irritation	Causes severe skin burns and eye damage.
Skin Sens. 1B / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.

Classification procedure

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Skin Irrit. 2	Skin corrosion/irritation	Calculation method.
Eye Irrit. 2	Serious eye damage/eye irritation	Calculation method.
Skin Sens. 1	Respiratory or skin sensitisation	Calculation method.
Repr. 2	Reproductive toxicity	Calculation method.
Aquatic Chronic 2	Hazardous to the aquatic environment	Calculation method.

Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
OEL	Occupational Exposure Limit Value
BLV	Biological Limit Value
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	Carcinogenic, Mutagenic and Reprotoxic
DIN	German Institute for Standardization / German industrial standard
DNEL	Derived No-Effect Level
EAKV	European Waste Catalogue Directive
EC	Effective Concentration
EC	European Community
EN	European Standard
IATA-DGR	International Air Transport Association – Dangerous Goods Regulations
IBC Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO-TI	International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG Code	International Maritime Code for Dangerous Goods
ISO	International Organization for Standardization
LC	Lethal Concentration
LD	Lethal Dose
MARPOL	Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OECD	Organisation for Economic Cooperation and Development
PBT	persistent, bioaccumulative, toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
UN	United Nations
VOC	Volatile Organic Compounds

vPvB very persistent and very bioaccumulative

Further information

Classification according to Regulation (EC) No 1272/2008 [CLP]

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations.Without written approval, the product must not be used for purposes different from those mentioned in section 1.It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations.The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.