QUIXX Repair Resin / Reparatur Harz

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Date of issue: 06/02/2019 Revision date: 06/02/2019 Version: 1.00

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

1.1. Product identifier

Trade name : QUIXX Repair Resin / Reparatur Harz

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

1.2.1. Relevant identified uses

Intended for general public

Main use category : Consumer use,Professional use

Use of the substance/mixture : adhesives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

E.V.I. GmbH
Hainbuchenring 4
82061 Neuried - Germany
T +49 (0)89 745062-0 - F +49 (0)89 745062-99
www.e-v-i.de

E-mail address of competent person responsible for the SDS

sds@kft.de

1.4. Emergency telephone number

Emergency number : GIZ-Nord, Göttingen
Germany
+49 551 19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Skin sensitisation, Category 1	H317
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation	H335

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

May cause respiratory irritation. May cause an allergic skin reaction. Causes skin irritation. Causes serious eye irritation.

2.2. Label elements

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

Hazard pictograms (CLP) :

GHS07

Signal word (CLP) : Warning

Hazardous ingredients : acrylic acid; 2-hydroxyethyl methacrylate; Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate

Hazard statements (CLP) : H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H335 - May cause respiratory irritation.

Precautionary statements (CLP)	: P102 - Keep out of reach of children. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves, eye protection, face protection. P302+P352 - IF ON SKIN: Wash with plenty of water. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P501 - Dispose of contents, container to a hazardous or special waste collection point.
Extra phrases	: INCI Name. ACRYLIC ACID; HEMA; ISOBORNYL METHACRYLATE.
Child-resistant fastening	: Not applicable
Tactile warning	: Not applicable

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-hydroxyethyl methacrylate (Note D)	(CAS-No.) 868-77-9 (EC-No.) 212-782-2 (EC Index-No.) 607-124-00-X	>=50 - <70	Eye Irrit. 2, H319 Skin Irrit. 2, H315 Skin Sens. 1, H317
Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate	(CAS-No.) 7534-94-3 (EC-No.) 231-403-1	>=20 - <25	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 3, H412
acrylic acid (Note D)	(CAS-No.) 79-10-7 (EC-No.) 201-177-9 (EC Index-No.) 607-061-00-8	>=1 - <2.5	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:vapour), H332 Skin Corr. 1A, H314 STOT SE 3, H335 Aquatic Acute 1, H400

Specific concentration limits:

Name	Product identifier	Specific concentration limits
acrylic acid	(CAS-No.) 79-10-7 (EC-No.) 201-177-9 (EC Index-No.) 607-061-00-8	(1 =<C < 100) STOT SE 3, H335

Note D : Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words 'non-stabilised'.

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	: Take off contaminated clothing. Wash skin with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after 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.

First-aid measures after ingestion : Rinse mouth out with water. Do not induce vomiting. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after inhalation : May cause respiratory irritation.

Symptoms/effects after skin contact : May cause an allergic skin reaction. Irritation.

Symptoms/effects after eye contact : Eye irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Carbon dioxide (CO2). Carbon monoxide. Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Other information : Do not allow run-off from fire fighting to enter drains or water courses. Disposal must be done according to official regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid breathing mist, vapours, spray. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid sub-soil penetration. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

Other information : Disposal must be done according to official regulations.

6.4. Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Use only outdoors or in a well-ventilated area. Avoid breathing mist, vapours, spray. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store in a dry place.
Storage temperature	: < 60 °C
Heat and ignition sources	: Keep away from heat and direct sunlight. Protect from light.
Information about storage in one common storage facility	: Keep away from : Oxidizing substances, Peroxides. Keep away from food, drink and animal feeding stuffs.
Storage area	: Protect from light. Protect from moisture. Keep away from heat and direct sunlight.

7.3. Specific end use(s)

Follow the directions!.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

acrylic acid (79-10-7)		
EU	Local name	Acrylic acid; Prop-2-enoic acid
EU	IOELV TWA (mg/m³)	29 mg/m³
EU	IOELV TWA (ppm)	10 ppm
EU	IOELV STEL (mg/m³)	59 mg/m³
EU	IOELV STEL (ppm)	20 ppm
EU	Regulatory reference	COMMISSION DIRECTIVE (EU) 2017/164

acrylic acid (79-10-7)	
DNEL/DMEL (Workers)	
Acute - local effects, dermal	1 mg/cm²
Long-term - local effects, dermal	1 mg/cm²
Long-term - local effects, inhalation	30 mg/m³
DNEL/DMEL (General population)	
Acute - local effects, dermal	1 mg/cm²
Acute - local effects, inhalation	3.6 mg/m³
Long-term - systemic effects, inhalation	3.6 mg/m³
Long-term - local effects, inhalation	3.6 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	0.003 mg/l
PNEC aqua (marine water)	0.0003 mg/l
PNEC aqua (intermittent, freshwater)	0.0013 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.0236 mg/kg dwt
PNEC sediment (marine water)	0.002346 mg/kg dwt
PNEC (Soil)	
PNEC soil	1 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	0.03 kg/kg food
PNEC (STP)	
PNEC sewage treatment plant	0.9 mg/l

2-hydroxyethyl methacrylate (868-77-9)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	1.3 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	4.9 mg/m³

2-hydroxyethyl methacrylate (868-77-9)	
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	0.83 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2.9 mg/m³
Long-term - systemic effects, dermal	0.83 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.482 mg/l
PNEC aqua (marine water)	0.482 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	3.79 mg/kg dwt
PNEC sediment (marine water)	3.79 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.476 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	10 mg/l

Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate (7534-94-3)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	1.04 mg/kg bodyweight/day
DNEL/DMEL (General population)	
Long-term - systemic effects, dermal	0.625 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	4.66 µg/L
PNEC aqua (marine water)	0.466 µg/L
PNEC aqua (intermittent, freshwater)	17.9 µg/L
PNEC (Sediment)	
PNEC sediment (freshwater)	0.604 mg/kg dwt
PNEC sediment (marine water)	0.06 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.118 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	2.45 mg/l

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:
Chemically resistant protective gloves. EN 374. Nitrile rubber. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear

Eye protection:
Wear closed safety glasses. EN 166

Skin and body protection:
Wear suitable protective clothing. EN 340. EN 13034

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment. EN 143. Filter. A-P2. . Breathing equipment is only to be used in order to handle the residual risk of short term jobs if all other risk minimizing measures have been carried out e.g. retention and/or local exhaust

Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes. Always wash hands after handling the product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Viscous.
Colour	: colourless.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Water: practically insoluble
Log Pow	: Not applicable
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 20 mPa·s (20 °C)
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

May polymerize. Exothermic reaction. Hydrolysis.

10.2. Chemical stability

Stable in use and storage conditions as recommended in item 7.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Direct sunlight. Overheating. Air contact. Protect from light.

10.5. Incompatible materials

Strong oxidizing agent. alkalis. Amines.

10.6. Hazardous decomposition products

Hydrolysis. . Methanol.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

ATE CLP (oral)	30850 mg/kg bodyweight
ATE CLP (dermal)	55000 mg/kg bodyweight
ATE CLP (vapours)	550 mg/l/4h

acrylic acid (79-10-7)	
LD50 oral rat	617 - 1405 mg/kg (gavage)
LD50 dermal rabbit	> 2000 mg/kg (20 % in H2O ; OECD TG 402)
LC50 inhalation rat (Vapours - mg/l/4h)	> 5.1 mg/l/4h (≈ OECD TG 403)

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitisation : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure : May cause respiratory irritation.
STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity : Not classified (Based on available data, the classification criteria are not met)
Chronic aquatic toxicity : Not classified (Based on available data, the classification criteria are not met)

acrylic acid (79-10-7)	
LC50 fish 1	27 mg/l (Oncorhynchus mykiss ; EPA OTS 797.1400)
EC50 Daphnia 1	95 mg/l (flow through ; EPA OTS 797.1300)
EC50 72h algae	0.04 mg/l (EbC50 , Desmodesmus subspicatus ; EU Method C.3)
ErC50 (algae)	0.13 mg/l (Desmodesmus subspicatus ; EU Method C.3)
NOEC (chronic)	19 mg/l (Daphnia magna , 21 d , dyn. flow through ; EPA OTS 797.1330)
EC0, microorganisms	100 mg/Kg (28 days, (OECD 217 method))
LC50, Eisenia foetida	> 1000 mg/kg dw soil (14 days, EU Method C.8)

Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate (7534-94-3)	
LC50 fish 1	1.79 mg/l (96 h; Danio rerio; (OECD 203 method))
EC50 Daphnia 1	> 2.57 mg/l (48 h; Daphnia magna; (OECD 202 method))
ErC50 (algae)	2.66 mg/l (96 h; Pseudokirchneriella subcapitata; (OECD 201 method))
NOEC chronic crustacea	0.233 mg/l (21 d; Daphnia magna; (OECD 211 method))
NOEC chronic algae	0.251 mg/l (72 h; Pseudokirchneriella subcapitata; (OECD 201 method))

12.2. Persistence and degradability

QUIXX Repair Resin / Reparatur Harz	
Persistence and degradability	The product has not been tested.

acrylic acid (79-10-7)	
Persistence and degradability	Readily biodegradable.
Biodegradation	80 - 90 % (28 d ; OECD 301 D)

2-hydroxyethyl methacrylate (868-77-9)	
Persistence and degradability	Readily biodegradable.
Biodegradation	92 - 100 % (14 d)

Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate (7534-94-3)	
Persistence and degradability	Readily biodegradable.
Biodegradation	70 % (28 d; (OECD 310 method))

12.3. Bioaccumulative potential

QUIXX Repair Resin / Reparatur Harz	
Log Pow	Not applicable
Bioaccumulative potential	The product has not been tested.

acrylic acid (79-10-7)	
Bioconcentration factor (BCF REACH)	3.162 (log Pow = 0,35 , calc. BCF ; SRC BCFWIN v2.17)
Log Pow	0.46 (25 °C)
Log Kow	0.35 (HSDB 2006)
Bioaccumulative potential	Bioaccumulation unlikely.

2-hydroxyethyl methacrylate (868-77-9)	
Log Pow	0.42 (25 °C)
Bioaccumulative potential	Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.

Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate (7534-94-3)	
Log Pow	5.09 (OECD 117 method)
Bioaccumulative potential	Low bioaccumulation potential.

12.4. Mobility in soil

QUIXX Repair Resin / Reparatur Harz	
Ecology - soil	The product has not been tested.

acrylic acid (79-10-7)	
Log Koc	0.78 - 2.14 (26 +/- 1 °C ; EPA OTS 796.2750)
Ecology - soil	Product adsorbs little onto the soil.

2-hydroxyethyl methacrylate (868-77-9)	
Ecology - soil	No additional information available.

12.5. Results of PBT and vPvB assessment

QUIXX Repair Resin / Reparatur Harz
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Component	
acrylic acid (79-10-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
2-hydroxyethyl methacrylate (868-77-9)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate (7534-94-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Disposal must be done according to official regulations. European waste catalogue. Do not dispose of with domestic waste. Do not discharge into drains or the environment.

European List of Waste (LoW) code : 07 01 00 - wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals
08 04 09* - waste adhesives and sealants containing organic solvents or other dangerous substances
08 04 17* - rosin oil
15 01 02 - plastic packaging
20 01 27* - paint, inks, adhesives and resins containing dangerous substances

HP Code : HP4 - “Irritant — skin irritation and eye damage:” waste which on application can cause skin irritation or damage to the eye.
HP13 - “Sensitising:” waste which contains one or more substances known to cause sensitising effects to the skin or the respiratory organs.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:	
3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	acrylic acid - 2-hydroxyethyl methacrylate
3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	acrylic acid
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	QUIXX Repair Resin / Reparatur Harz - acrylic acid - 2-hydroxyethyl methacrylate - Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate
3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	acrylic acid - Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	acrylic acid

Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances
Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.
Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

Other information, restriction and prohibition regulations : Take note of Directive 94/33/EC on the protection of young people at work.

15.1.2. National regulations
No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level

EC50	Median effective concentration
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
TLM	Median Tolerance Limit
vPvB	Very Persistent and Very Bioaccumulative

Data sources : Information provided by the manufacturer. MSDSs of the suppliers. ECHA (European Chemicals Agency).

Department issuing data specification sheet: : KFT Chemieservice GmbH
Im Leuschnerpark. 3 64347 Griesheim
Postfach 1451 64345 Griesheim
Germany

Phone: +49 6155-8981-400 Fax: +49 6155 8981-500
Safety Data Sheet Service: +49 6155 8981-522

Contact person : Dr. Sandra Burkhard

Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
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.
H332	Harmful if inhaled.

H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Skin Sens. 1	H317	Calculation method
STOT SE 3	H335	Calculation method

KFT SDS EU 11

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product