kilnher group®

SAFETY DATA SHEET
SEALANTS CEMHER

Safety Data Sheet EU format according to COMMISSION REGULATION (EU) 2020/878

Product:
AQUAPURE 70 Comp. B

Version 1.0 / 07.06.2024

Replaces all previous versions

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

1.1 Product identifier

Product form: Mixture

Trade name: HARDENER AQUAPUR 70 comp. B

Other means of identification: Aliphatic polyisocyanate in solution

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

1.2.1 Relevant identified uses

Main use category: Industrial use. Professional use

Industrial/Professional use spec: Formulation. Manufacture of paints and varnishes

Use of the substance/mixture: See product datasheet for detailed information

1.2.2 Uses advised against

Restrictions on use: Consumer uses: Private households (= general public = consumers)

1.3 Details of the supplier of the safety data sheet

Company: PINTURAS KILNHER
Address: Pol. Ind. La Figuera, C/LLanterners, 44. 46394
City: ALACUAS
Province: VALENCIA
Telephone: (+34) 961 505 024
Fax: (+34) 961 505 024
E-mail: kilnher@kilnher.com
Web: www.kilnher.com

1.4 Emergency telephone number

(+34) 961 505 024 (Only available during office hours; Monday-Friday; 07:00-15:00)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Hazard class	Hazard category	Indications of danger
Acute toxicity (inhal.)	4	H332
Skin corrosion/irritation	2	H315
Serious eye damage/eye irritation	1	H318
Skin sensitisation	1	H317
Specific target organ toxicity — Single exposure	3	H335 Respiratory tract irritation

* Full text of H statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2 Label elements

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

Hazard pictograms (CLP)

GHS05

GHS07

Signal word (CLP)
Danger

Hazard statements (CLP)

H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H332 - Harmful if inhaled.
H335 - May cause respiratory irritation.

Precautionary statements (CLP)

P260 - Do not breathe spray, mist, gas, vapours.
P280 - Wear protective clothing, eye protection, face protection.
P302+P352 - IF ON SKIN: Wash with plenty of soap and 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.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3 Other hazards

Other hazards which do not result in classification:

Combustible liquid. Reacts on contact with water releasing carbon dioxide (CO2).

Component	
hexamethylene-di-isocyanate (822-06-0)	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]
Hexamethylene diisocyanate oligomers, isocyanurates substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit	(CAS-No.) 28182-81-2 (EC-No.) 931-274-8 (REACH-no) 01-2119485796-17-0002	~ 96	Acute Tox. 4 (Inhalation), H332 Skin Sens. 1, H317 STOT SE 3, H335
Polyoxyethylene tridecyl ether phosphate	(CAS-No.) 9046-01-9	~ 3	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
cyclohexyldimethylamine	(CAS-No.) 98-94-2 (EC-No.) 202-715-5 (REACH-no) 01-2119533030-60	< 1	Flam. Liq. 3, H226 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1B, H314 Aquatic Chronic 2, H411
hexamethylene-di-isocyanate (Hazardous impurities) substance with national workplace exposure limit(s) (GB)	(CAS-No.) 822-06-0 (EC-No.) 212-485-8 (EC Index-No.) 615-011-00-1 (REACH-no) 01-2119457571-37-0001	< 0.1	Acute Tox. 4 (Oral), H302 Acute Tox. 1 (Inhalation:vapour), H330 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 STOT SE 3, H335

Specific concentration limits		
Name	**Product identifier**	**Classification according to Regulation (EC) No. 1272/2008 [CLP]**
Hexamethylene-di-isocyanate (Hazardous impurities)	(CAS-No.) 822-06-0 (EC-No.) 212-485-8 (EC Index-No.) 615-011-00-1 (REACH-no) 01-2119457571-37-0001	(0.5 ≤C < 100) Resp. Sens. 1, H334 (0.5 ≤C < 100) Skin Sens. 1, H317

* Full text of H statements: see section 16

SECTION 4: First aid measures

4.1 Description of first aid measures

First-aid measures after inhalation
Move the affected person away from the contaminated area and into the fresh air. Get medical advice/attention. If possible show him this sheet. Failing this, show him the packaging or label.

First-aid measures after skin contact
Use appropriate protective equipment when treating a contaminated person. Take off immediately all contaminated clothing. Wash with soapy water. Wash off immediately and plentifully with water for at least 20 minutes. If case of redness or irritation, call a doctor. If possible show him this sheet. Failing this, show him the packaging or label. Place contaminated clothing in a sealed bag for disposal.

First-aid measures after eye contact
Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). If eye irritation persists: Get medical advice/attention, If possible show him this sheet. Failing this, show him the packaging or label.

First-aid measures after ingestion
Never attempt to induce vomiting. Give nothing to drink. Get immediate medical advice/attention. If possible show him this sheet. Failing this, show him the packaging or label.

4.2 Most important symptoms and effects, both acute and delayed Notes to physician

No additional information available

4.3 Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Foam. Powders. Carbon dioxide.
Unsuitable extinguishing media: Water.

5.2 Special hazards arising from the substance or mixture

Fire hazard: Combustible.
Reactivity in case of fire: During combustion: Toxic vapours are released.

5.3 Advice for firefighters

Protection during firefighting: Self-contained breathing apparatus. Complete protective clothing.
Other information: Keep upwind. Evacuate the personnel away from the fumes. In case of significant fire close by : Cool down the containers/equipment exposed to heat with a water spray. Ensure that there is no direct contact between the water and the product. Do not breathe fumes. Do not attempt to take action without suitable protective equipment. Use extinguishing media appropriate for surrounding fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

General measures: Avoid contact with skin and eyes. Do not breathe gas. Keep upwind. Do not attempt to take action without suitable protective equipment. Mark out the contaminated area with signs and prevent access to unauthorized personnel.

6.1.1 For non-emergency personnel

No additional information available

6.1.2 For emergency responders

Protective equipment: Self-contained breathing apparatus. Impermeable protective equipment.

6.2 Environment related measures

Dike and contain spill. Do not discharge into drains or the environment.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up: Recover the product with absorbent material. Wash contaminated area with large amounts of water. Recover the cleaning water for later disposal.

6.4 Reference to other sections

Concerning disposal elimination after cleaning, see section 13. Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling: Ensure good ventilation of the work station. Do not allow water (or moist air) contact with this material. Avoid any direct contact with the product. Comply with instructions for use (refer to technical sheet). Any measure to eliminate exposure should be considered.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures: The floor of the depot should be impermeable and designed to form a water-tight basin.

Storage conditions: Store container in a well ventilated position. Store tightly closed in a dry and cool place. Keep only in original container.
Storage area: Keep only in the original container. Metallic drums. Storage tank with a dry nitrogen blanket.
Packaging materials: Aluminium. Steel. Unsuitable material for receptacle copper, Tin.

7.3 Specific end use(s)

No additional information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1 National occupational exposure and biological limit values

Hexamethylene diisocyanate oligomers, isocyanurates (28182-81-2)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL STEL	1 mg/m³

Hexamethylene diisocyanate oligomers, isocyanurates (28182-81-2)	
United Kingdom - Occupational Exposure Limits	
WEL STEL (OEL STEL)	1 mg/m³

cyclohexyldimethylamine (98-94-2)
EU - Indicative Occupational Exposure Limit (IOEL)
There exist no exposure limits for this material

hexamethylene-di-isocyanate (822-06-0)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA) [1]	0.02 mg/m³
WEL STEL (OEL STEL)	0.07 mg/m³

8.1.2 Recommended monitoring procedures

No additional information available

8.1.3 Air contaminants formed

No additional information available

8.1.4 DNEL and PNEC

Hexamethylene diisocyanate oligomers, isocyanurates (28182-81-2)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	1 mg/m³
Long-term - local effects, inhalation	0.5 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	127 µg/l (Daphnia magna)
PNEC aqua (marine water)	12.7 µg/L (Daphnia magna)
PNEC aqua (intermittent, freshwater)	1270 µg/L (Daphnia magna)
PNEC (Sediment)	
PNEC sediment (freshwater)	266.7 g/kg (equilibrium partitioning)
PNEC (Soil)	
PNEC soil	53.2 g/kg (equilibrium partitioning)
PNEC (STP)	
PNEC sewage treatment plant	38.28 mg/l (OECD 209)

cyclohexyldimethylamine (98-94-2)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	35 mg/m³
Long-term - local effects, inhalation	35 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	2 µg/l
PNEC aqua (marine water)	0.2 µg/L
PNEC (Sediment)	
PNEC sediment (freshwater)	21.1 µg/kg dw
PNEC sediment (marine water)	2.11 µg/kg dw
PNEC (Soil)	
PNEC soil	3.05 µg/kg dw
PNEC (STP)	
PNEC sewage treatment plant	20.6 mg/l

hexamethylene-di-isocyanate (822-06-0)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	0.07 mg/m³
Long-term - local effects, inhalation	0.035 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	> 77.4 µg/l (Scenedesmus subspicatus)
PNEC aqua (marine water)	> 7.74 µg/L (Scenedesmus subspicatus)
PNEC aqua (intermittent, freshwater)	> 774 µg/L (Scenedesmus subspicatus)
PNEC (Sediment)	
PNEC sediment (freshwater)	> 0.01334 mg/kg dwt (equilibrium partitioning)
PNEC sediment (marine water)	> 0.001334 mg/kg dwt (equilibrium partitioning)
PNEC (Soil)	
PNEC soil	> 0.0026 mg/kg dwt equilibrium partitioning
PNEC (STP)	
PNEC sewage treatment plant	8.42 mg/l (OECD 209)

8.1.5 Control banding

No additional information available

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Appropriate engineering controls:
Ensure good ventilation of the work station. Store protective clothing separately. Safety shower. Eye fountain. Immediately remove contaminated or damp clothing. Do not drink, eat or smoke in the workplace. Wash hands before breaks and after work. Keep away from food, drink and animal feeding stuffs.

8.2.2 Personal protection equipment

Eye protection

Tightly sealed goggles

Skin and body protection

Protective clothing

Hand protection

Nitrile-rubber protective gloves. Protective gloves must be chosen according to the function of the work station: other chemicals which may be handled, physical protection necessary (resistance to cutting, puncture, heat), dexterity required. The selection of gloves must take into account the extent and duration of use at the workstation.

Respiratory protection

In the event of insufficient ventilation: Self-contained breathing apparatus. When using a spray-gun, wear: Self-contained breathing apparatus.

Thermal hazards

No additional information available

8.2.3 Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Liquid
Colour: colourless to slightly yellow.
Appearance: clear.
Odour: odourless.
Odour threshold: Not available
Melting point: Not available
Freezing point: Not available
Boiling point: 150 °C
Flammability: Not available
Explosive limits: Not available
Lower explosive limit (LEL): Not available
Upper explosive limit (UEL): Not available
Flash point: 160 °C
Auto-ignition temperature: Not available
Decomposition temperature: Not available
pH: Not available
Viscosity, kinematic: Not available
Viscosity, dynamic: 1400 mPa·s (25°C)

Solubility: Reacts with water. Soluble in aromatic hydrocarbons. Completely soluble in cetonic solvents or esters.
Partition coefficient n-octanol/water (Log Kow): Not available
Vapour pressure: Not available
Vapour pressure at 50 °C: Not available
Density: 1.13 g/cm³ (25°C)
Relative density: Not available
Relative vapour density at 20 °C: Not available
Particle size: Not applicable
Particle size distribution: Not applicable
Particle shape: Not applicable
Particle aspect ratio: Not applicable
Particle aggregation state: Not applicable
Particle agglomeration state: Not applicable
Particle specific surface area: Not applicable
Particle dustiness: Not applicable

9.2 Other information

9.2.1 Information with regard to physical hazard classes

No additional information available

9.2.2 Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1 Reactivity

No additional information available

10.2 Chemical stability

Stable at room temperature.

10.3 Possibility of hazardous reactions

Reacts with : alcohols. Amines. Bases. protic solvents. Aqueous solution. Strong oxidizing agents. with a great release of CO2, and hence a risk of a pressure build-up in confined areas,and forms an insoluble solid precipitate.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available.

10.6. Hazardous decomposition products

Thermal decomposition generates : Toxic gases. Carbon dioxide. Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral): Not classified
Acute toxicity (dermal): Not classified
Acute toxicity (inhalation): Harmful if inhaled.

Hexamethylene diisocyanate oligomers, isocyanurates (28182-81-2)	
LD50 oral rat	> 2500 mg/kg (OECD 423 (female))
LD50 dermal rat	> 2000 mg/kg (OECD 402)
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	0.39 mg/l/4h (OECD 403 (female))

cyclohexyldimethylamine (98-94-2)	
LD50 oral rat	272 mg/kg
LD50 dermal rat	380 mg/kg (OECD 402)
LC50 Inhalation - Rat	1.7 – 5.8 mg/l (6h / OECD 403)

hexamethylene-di-isocyanate (822-06-0)	
LD50 oral rat	959 mg/kg bodyweight (OECD 401)
LD50 dermal rat	> 7000 mg/kg bodyweight (OECD 402)
LC50 Inhalation - Rat	0.124 mg/l/4h (OECD 403)

Skin corrosion/irritation: Causes skin irritation.
Serious eye damage/irritation: Causes serious eye damage.
Respiratory or skin sensitisation: May cause an allergic skin reaction.

Additional information: No pulmonary sensitisation was observed in guinea pigs after either intradermal injection or inhalation induction with HDI polyisocyanates
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified

hexamethylene-di-isocyanate (822-06-0)	
NOAEC, Chronic, Inhalation, rat	0.164 ppm ((OECD 453 method))

Reproductive toxicity: Not classified

STOT-single exposure: May cause respiratory irritation.

Hexamethylene diisocyanate oligomers, isocyanurates (28182-81-2)	
NOAEC (inhalation, rat, vapour)	3 mg/m³ (6h / OECD TG 403)
STOT-single exposure	May cause respiratory irritation.

hexamethylene-di-isocyanate (822-06-0)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure: Not classified

Hexamethylene diisocyanate oligomers, isocyanurates (28182-81-2)	
NOAEC (inhalation, rat, vapour, 90 days)	3.3 mg/l/6h/day (OECD 413)

cyclohexyldimethylamine (98-94-2)	
NOAEL (subacute, oral, animal/male, 28 days)	91 – 104 mg/kg bodyweight (OECD 422)
NOAEL (subacute, oral, animal/female, 28 days)	85 – 147 mg/kg bodyweight (OECD 422)

hexamethylene-di-isocyanate (822-06-0)	
LOAEC (inhalation, rat, vapour, 90 days)	0.01 ppm (OECD 413)
NOAEC, Chronic, Inhalation, rat	0.005 ppm (2 years, (OECD 453 method))

Aspiration hazard: Not classified

11.2 Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1 Toxicity

Ecology - general: According to the data on the components: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute): Not classified

Hazardous to the aquatic environment, long-term (chronic): Not classified

Hexamethylene diisocyanate oligomers, isocyanurates (28182-81-2)	
LC50 - Fish [1]	8.9 mg/l (Brachydanio rerio)
EC50 - Crustacea [1]	127 mg/l (48 h static / EU C.2)

EC50 - Other aquatic organisms [1]	> 1000 mg/l (72h / Scenedesmus subspicatus / DIN 38412)
ErC50 algae	> 1000 mg/l (0-72 h static / Desmodesmus subspicatus / EU C.3)
EC50, ACTIVATED SLUDGE	3828 mg/l (3 Hours, (OECD 209 method))

Polyoxyethylene tridecyl ether phosphate (9046-01-9)	
LC50 - Fish [1]	10 mg/l (96h /Danio rerio)

cyclohexyldimethylamine (98-94-2)	
LC50 - Fish [1]	28 mg/l (96h / Oncorhynchus mykiss /OECD 203)
EC50 - Crustacea [1]	75 mg/l (48h /OECD 202)
EC50 - Other aquatic organisms [1]	> 2 mg/l (72h / Desmodesmus subspicatus / DIN 38412)
NOEC (acute)	21.5 mg/l (96h / Leuciscus idus / DIN 38 412)

cyclohexyldimethylamine (98-94-2)	
LC50 - Fish [1]	22 mg/l (96 h-static/ Brachydanio rerio)
EC50 - Other aquatic organisms [1]	842 mg/l (3h-static / Bacterie / OECD 209)
ErC50 algae	> 77.4 mg/l Desmodesmus subspicatus
LOEC (chronic)	12.6 mg/l (72h / Desmodesmus subspicatus/ EU method C.3)
NOEC (chronic)	11.7 mg/l (72 h /Desmodesmus subspicatus/ EU method C.3)
EC0, daphnia	≥ 89.1 mg/l (48 Hours, EU C.2)
LC0, Fish	≥ 82.8 mg/l (96 Hours, EU C.1, (Danio rerio))
EC50, Bacteria	842 mg/l (3 Hours, (OECD 209 method))

12.2 Persistence and degradability

Hexamethylene diisocyanate oligomers, isocyanurates (28182-81-2)	
Persistence and degradability	Not biodegradable.
Biochemical oxygen demand (BOD)	1 % (bacterie / EU C.4-E)

Polyoxyethylene tridecyl ether phosphate (9046-01-9)	
Persistence and degradability	Inherently biodegradable.
Biochemical oxygen demand (BOD)	45 % (OECD 301B)
Chemical oxygen demand (COD)	83 % (OECD 302B)

hexamethylene-di-isocyanate (822-06-0)	
Biochemical oxygen demand (BOD)	42 % (Bacterie / EU C.4-D)

12.3 Bioaccumulative potential

Easaqua™ XM 505 LM	
Bioaccumulative potential	Not potentially bioaccumulable.

Hexamethylene diisocyanate oligomers, isocyanurates (28182-81-2)	
BCF - Fish [1]	3.2 (BCFWIN v. 2.17)
Bioaccumulative potential	not bioaccumulable.

hexamethylene-di-isocyanate (822-06-0)	
BCF - Fish [1]	58 (BCFWIN v2.17)

12.4 Mobility in soil

Easaqua™ XM 505 LM	
Ecology - soil	Formation of insoluble polyurea.

Hexamethylene diisocyanate oligomers, isocyanurates (28182-81-2)	
Partition coefficient n-octanol/water (Log Koc)	7.8 (PCKOC v1.66)
Ecology - soil	Ultimate destination of the product: soil and sediment.

hexamethylene-di-isocyanate (822-06-0)	
Partition coefficient n-octanol/water (Log Koc)	3.77 (PCKOC v1.66)

12.5 Results of PBT and vPvB assessment

Component	
hexamethylene-di-isocyanate (822-06-0)	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 Endocrine disrupting properties

No additional information available

12.7 Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment methods: Discharging into rivers and drains is forbidden. Incinerate at a licensed installation.
Additional information: Uncleaned packagings. Contaminated packaging materials must be disposed of in the same manner as the product. Allow it to drain thoroughly. Throughly emptied and clean packaging may be recycled. Disposal must be done according to official regulations.
Ecology - waste materials: Hazardous waste.
European List of Waste (LoW) code: 08 05 01* - waste isocyanates

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

ADR	IMDG	IATA
14.1 UN number or ID number		
Not applicable	Not applicable	Not applicable
14.2 UN proper shipping name		
Not applicable	Not applicable	Not applicable
14.3 Transport hazard class(es)		
Not applicable	Not applicable	Not applicable
14.4 Packing group		
Not applicable	Not applicable	Not applicable
14.5 Environmental hazards		
Not applicable	Not applicable	Not applicable

The above regulatory prescriptions are those valid on the date of publication of this sheet, However, considering the always possible evolution of transport regulations for hazardous materials, in the case where the SDS in your possession is dating back over 12 months, it would be advisable to check their validity with your commercial agency.

14.6 Special precautions for user

Overland transport: Not applicable
Transport by sea: Not applicable
Air transport: Not applicable

14.7 Maritime transport in bulk according to IMO instruments

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

Contains no REACH substances with Annex XVII restrictions 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.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

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

Other information: The product is used mainly as a hardener in coating materials or adhesives. The handling of coating materials or adhesives containing reactive polyisocyanates and residual monomeric HDI requires appropriate protective measures referred to in this safety data sheet. These products may therefore be used only in industrial or trade applications. They are not suitable for use in homeworker (Do It Yourself) applications.

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

H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic 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.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Safety Data Sheet (SDS), EU

This Safety Data Sheet is not a Product Specification. It is based on our present knowledge and experience and it is intended to serve as a guide for safe handling of the product regarding to health and environmental aspects.