

according to Regulation (EU) 2020/878
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Colloidal Graphite thinner

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

1.1. Product identifier

Product form: Mixture
Product name: Colloidal Graphite thinner
UFI: -

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

Relevant identified uses: Solvent, Raw material, Industrial uses
Uses advised against: Foodstuffs

1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier: al dente Dentalprodukte GmbH
Street / mailbox: Borsigstr. 1
Country code / postal code / city: D - 38644 Goslar
Phone: 0 53 21 / 80031
Fax: 0 53 21 / 50881
E-mail / Website: info@aldente.de / www.aldente.de
Information department: al dente Dentalprodukte GmbH

1.4. Emergency telephone number

al dente Dentalprodukte GmbH: +49 (0) 53 21 / 80031 (Mo-Fr 8:00-16:00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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



GHS02 Flames
Flam. Liq. 2 H225

Flüssigkeit und Dampf leicht entzündbar.



GHS07
Eye Irrit. 2 H319

Verursacht schwere Augenreizung.

2.2. Label elements

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

The product is classified and labelled in accordance with the CLP Regulation.

Hazard pictograms (CLP):



GHS02 GHS07

Signal word (CLP):

Danger

Hazard statements (CLP):

H225 - Highly flammable liquid and vapour
H319 - Causes serious eye irritation

Precautionary statements (CLP):

P120 - Darf nicht in die Hände von Kindern gelangen.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

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P280 - Wear protective gloves, protective clothing, eye protection
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337+P313 - If eye irritation persists: Get medical advice/attention
P501 - Dispose of the contents / container in accordance with local / regional / national / international regulations.

Zusätzliche Angaben:

Packaging that is sold to the general public must be labelled with a tactile hazard warning in accordance with EN ISO 11683, regardless of its capacity.

2.3. Other hazards

Results of PBT and vPvB assessment







PBT: Not applicable
vPvB: Not applicable

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Description: Denatured ethanol, not for consumption.

Components:

(CAS no) 64-17-5 (EC no) 200-578-6 (REACH no) 01-2119457610-43-xxxx	Ethanol  Flam. Liq. 2, H225;  Eye Irrit. 2, H319 Spez. Konz.grenze: Eye Irrit. 2; H319: C ≥ 50 %	50 - 100%
CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25-X	Isopropanol  Flam. Liq. 2, H225;  Eye Irrit. 2, H319; STOT SE 3, H336	≤ 1%
CAS: 78-93-3 EINECS: 201-159-0 Reg.nr.: 01-2119457290-43-X	2-Butanon  Flam. Liq. 2, H225;  Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	≤ 1%

Additional information: The wording of the listed hazard statements can be found in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information: Immediately remove any clothing contaminated with the product.

After inhalation: Move the affected person to fresh air and keep them calm. If symptoms persist, consult a doctor.

After skin contact: Wash off with water. If symptoms persist, consult a doctor.

After eye contact: Rinse opened eye for several minutes under running water. Consult a doctor immediately.

After ingestion: Rinse out mouth and drink plenty of water.

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Do not induce vomiting. Consult a doctor if symptoms persist.

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

Eye irritation
Dermatitis
Irritation of the respiratory tract
dizziness
Nausea
vomiting
Narcotic effects
Unconsciousness

Risks:

Risk of liver damage.
Danger of respiratory disorders.

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

Symptomatic therapy should be initiated.
In case of lung irritation, initial treatment with dexamethasone metered dose inhaler.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Extinguishing powder, foam or water spray. Fight larger fires with a water spray jet or alcohol-resistant foam.

Unsuitable extinguishing media:

Full jet of water.

5.2. Special hazards arising from the substance or mixture:

Inhalation of combustion gases can cause serious damage to health. Incomplete combustion may produce carbon monoxide. Formation of flammable vapour/air mixtures possible.
Vapours are heavier than air and can travel long distances along the ground/ignite/rebound to the source.

5.3. Advice for firefighters

Special protective equipment:

Wear self-contained breathing apparatus.

Additional information:

Cool endangered containers with water spray.
If possible, remove stored goods from the fire zone.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away. Due to the content of organic solvents, keep away from sources of ignition and ventilate room well. Avoid contact with product.

6.2. Environmental precautions:

The small quantities normally used during handling can be rinsed away with water. Do not allow to enter drains or waterways. Inform the responsible authorities in the event of spillage into watercourses or drains. Do not allow to enter drains/surface water/groundwater.

6.3. Methods and material for containment and cleaning up:

Ensure adequate ventilation. Absorb with liquid-binding material (sand, diatomaceous earth, acid binder, universal binder). Dispose of the absorbed material in accordance with regulations.

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6.4. Reference to other sections: For information on safe handling see section 7.
 For information on personal protective equipment see section 8.
 For information on disposal see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling: Avoid contact with eyes and skin. Ensure adequate ventilation. Ensure good room ventilation, also in the floor area (vapours are heavier than air).

Information on fire and explosion protection: Keep ignition sources away - do not smoke. Vapours are heavier than air, they creep along the floor and can flash back over long distances if ignited.

7.2. Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and containers: Store in a cool place.

Advice on joint storage: Store separately from food, luxury foods and animal feed.

Further information on storage conditions: Keep container tightly closed. Store in a cool, dry place in tightly closed containers.

Storage class: 3

Classification according to the German Ordinance on Industrial Safety and Health (BetrSichV): Flammable liquids

7.3. Specific end use(s): No additional information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Components with limit values that require monitoring at the workplace: AGW: Occupational exposure limit value
 IOELV: Indicative Occupational Exposure Limit Values of the European Union

64-17-5 Ethanol	
AGW (Germany)	Long-term value: 380 mg/m ³ , 200 ml/m ³ 4(II);DFG, Y
MAK (Austria)	Short-term value: 3800 mg/m ³ , 2000 ml/m ³ Long-term value: 1900 mg/m ³ , 1000 ml/m ³
67-63-0 Isopropanol	
AGW (Germany)	Long-term value: 500 mg/m ³ , 200 ml/m ³ 2(II);DFG, Y
MAK (Austria)	Short-term value: 2000 mg/m ³ , 800 ml/m ³ Long-term value: 500 mg/m ³ , 200 ml/m ³
AGW (Germany)	Long-term value: 600 mg/m ³ , 200 ml/m ³ 1(I);DFG, EU, H, Y
IOELV (European Union)	Short-term value: 900 mg/m ³ , 300 ml/m ³ Long-term value: 600 mg/m ³ , 200 ml/m ³
MAK (Austria)	Short-term value: 590 mg/m ³ , 200 ml/m ³ Long-term value: 295 mg/m ³ , 100 ml/m ³
DNEL values	
64-17-5 Ethanol	

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Oral	DNEL (consumer, long-term, systemic)	87 mg/kg bw/day (Human)
Dermal	DNEL (worker, long-term, systemic)	343 mg/kg bw/day (Human)
Inhalative	DNEL (consumer, long-term, systemic)	206 mg/kg bw/day (Human)
	DNEL (worker, long-term, systemic)	950 mg/m ³ (Human)
	DNEL (consumer, long-term, systemic)	114 mg/m ³ (Human)
	DNEL (worker, short-term, local)	1.900 mg/m ³ (Human)
	DNEL (consumer, short-term, local)	950 mg/m ³ (Human)
67-63-0 Isopropanol		
Oral	DNEL (consumer, long-term, systemic)	26 mg/kg bw/day (Human)
Dermal	DNEL (worker, long-term, systemic)	888 mg/kg bw/day (Human)
Inhalative	DNEL (consumer, long-term, systemic)	319 mg/kg bw/day (Human)
	DNEL (worker, long-term, systemic)	500 mg/m ³ (Human)
	DNEL (consumer, long-term, systemic)	89 mg/m ³ (Human)
78-93-3 2-Butanon		
Oral	DNEL (consumer, long-term, systemic)	31 mg/kg bw/day (Human)
Dermal	DNEL (worker, long-term, systemic)	1.161 mg/kg bw/day (Human)
Inhalative	DNEL (consumer, long-term, systemic)	412 mg/kg bw/day (Human)
	DNEL (worker, long-term, systemic)	600 mg/m ³ (Human)
	DNEL (consumer, long-term, systemic)	106 mg/m ³ (Human)
PNEC-Werte		
64-17-5 Ethanol		
PNEC aqua (freshwater)	0,96 mg/L (.)	
PNEC aqua (marine water)	0,79 mg/L (.)	
PNEC STP	580 mg/L (.)	
PNEC soil	0,63 mg/kg soil dw (.)	
PNEC sediment (freshwater)	3,6 mg/kg sedim. dw (.)	
PNEC sediment (marine water)	2,9 mg/kg sedim. dw (.)	
PNEC aqua (intermittent releases)	2,75 mg/L (.)	
PNEC oral	0,72 mg/kg food (.)	
67-63-0 Isopropanol		
PNEC aqua (freshwater)	140,9 mg/L (.)	
PNEC aqua (marine water)	140,9 mg/L (.)	
PNEC STP	2.251 mg/L (.)	
PNEC soil	28 mg/kg soil dw (.)	
PNEC sediment (freshwater)	552 mg/kg sedim. dw (.)	
PNEC sediment (marine water)	552 mg/kg sedim. dw (.)	
PNEC aqua (intermittent releases)	140,9 mg/L (.)	
PNEC oral	160 mg/kg food (.)	
78-93-3 2-Butanon		
PNEC aqua (freshwater)	55,8 mg/L (.)	
PNEC aqua (marine water)	55,8 mg/L (.)	
PNEC STP	709 mg/L (.)	
PNEC soil	22,5 mg/kg soil dw (.)	
PNEC sediment (freshwater)	284,7 mg/kg sedim. dw (.)	
PNEC sediment (marine water)	284,7 mg/kg sedim. dw (.)	
PNEC aqua (intermittent releases)	55,8 mg/L (.)	
PNEC oral	1.000 mg/kg food (.)	
Ingredients with biological limit values:		
67-63-0 Isopropanol		

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BGW (Germany)	25 mg/l Test material: Whole blood Sampling time: end of exposure or end of shift Parameter: Acetone 25 mg/l Test material: Urine Sampling time: end of exposure or end of shift Parameter: Acetone
78-93-3 2-Butanon	
BGW (Germany)	2 mg/l Test material: Urine Sampling time: end of exposure or end of shift Parameter: 2-butanone

Additional information: The lists valid at the time of creation served as the basis.

8.2. Exposure controls

Individual protective measures, for example personal protective equipment

General protective and hygiene measures:

Do not inhale gases/vapours/aerosols.
 Do not eat, drink, smoke or sniff while working.
 Wash hands before breaks and at the end of work.

Respiratory protection:

Not necessary if the room is well ventilated.
 If the solvent concentration is above the air limits, a respirator approved for this purpose must be worn. Approved breathing apparatus must be worn. Filter A2.

Hand protection:



Protective gloves.

Glove material:

Selection of the glove material taking into account the breakthrough times, permeation rates and degradation.
 Butyl rubber
 Fluororubber (Viton)

Penetration time of the glove material:

The exact breakthrough time must be obtained from the protective glove manufacturer and adhered to. With a layer thickness of 0.7 mm, the penetration time is greater than 480 minutes.

Gloves made of the following materials are suitable for permanent contact:

Butyl rubber
 Fluororubber (Viton)

Gloves made of the following materials are suitable as splash protection:

Nitrile rubber

Eye/face protection:



Tight-fitting safety goggles.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

General information

Aggregate state:	liquid
Colour:	colourless
Odour:	alcoholic
Odour threshold:	Not determined.
Melting point/freezing point:	-114,5 °C
Boiling point or initial boiling point and boiling range:	78 °C
Flammability:	Not applicable.
Lower and upper explosion limit	
Lower:	2,5 Vol %
Upper:	13,5 Vol %
Flash point:	12 °C
Auto-ignition temperature:	The product is not self-igniting.
Decomposition temperature:	Not determined.
SADT:	
pH value at 20 °C:	7
Viscosity:	
Kinematic viscosity:	Not determined
dynamic at 20 °C:	1,2 mPas
Solubility:	
Water:	Fully miscible
Partition coefficient n-octanol/water (log value):	Not determined.
Vapour pressure at 20°C:	59 hPa
Density and/or relative density:	
Density at 20 °C:	0,807 g/cm ³
Relative vapour density:	Not determined.
Vapour density:	Not determined.

9.2. Other information

Appearance:	
Form:	liquid
Important information on health, environmental protection and safety	
Auto-ignition temperature:	> 363 °C
Explosive properties:	The product is not explosive, but the formation of explosive vapour/air mixtures is possible.
Solvent content:	Organic solvents:
Change of state:	
Evaporation rate:	Not determined.
Information on physical hazard classes	
Explosive substances/mixtures and articles containing explosives:	Not applicable
Flammable gases:	Not applicable
Aerosols:	Not applicable
Oxidising gases:	Not applicable
Gases under pressure:	Not applicable
Flammable liquids:	Highly flammable liquid and vapour.
Flammable solids:	Not applicable
Self-reactive substances and mixtures:	Not applicable
Pyrophoric liquids:	Not applicable
Pyrophoric solids:	Not applicable
Self-heating substances and mixtures:	Not applicable

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Substances and mixtures which, in contact with water, emit flammable gases:	Not applicable
Oxidising liquids:	Not applicable
Oxidising solids:	Not applicable
Substances and mixtures corrosive to metals:	Not applicable
Desensitised substances/mixtures and articles containing explosives:	Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity:	No further relevant information available.
10.2. Chemical stability: Thermal decomposition / conditions to be avoided:	No decomposition when used as intended.
10.3. Possibility of hazardous reactions:	No dangerous reactions known.
10.4. Conditions to avoid:	No further relevant information available.
10.5. Incompatible materials:	No further relevant information available.
10.6. Hazardous decomposition products:	None if used as intended and stored in accordance with regulations.

SECTION 11: Toxicological information

11.1. Information on hazard classes according to Regulation (EC) No 1272/2008 Acute toxicity:	Based on available data, the classification criteria are not met
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Einstufungsrelevante LD/LC50-Werte:		
64-17-5 Ethanol		
Oral	LD50	15.010 mg/kg (rat) (OECD 401)
Dermal	LD50	> 20.000 mg/kg (canine)
Inhalative	LC50	> 114 mg/l/1h (mouse) (OECD 403)
	LC50	125 mg/l/4h (rat) (OECD 403)
67-63-0 Isopropanol		
Oral	LD50	5.840 mg/kg (rat) (OECD 401)
Dermal	LD50	13.400 mg/kg (canine)
Inhalative	LC50	30 mg/l/4h (rat)
		Vapour
78-93-3 2-Butanon		
Oral	LD50	3.460 mg/kg (rat) (OECD 423)
Dermal	LD50	5.000 mg/kg (canine)

Skin corrosion/irritation:	Frequent and prolonged skin contact may cause skin irritation.
Serious eye damage/irritation:	Splashes may cause eye irritation and reversible damage.
Respiratory or skin sensitisation:	Based on available data, the classification criteria are not met
Germ cell mutagenicity:	Based on available data, the classification criteria are not met
Carcinogenicity:	Based on available data, the classification criteria are not met

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Reproductive toxicity: Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met

Aspiration hazard: Based on available data, the classification criteria are not met

Other information (on experimental toxicology): The ingestion of harmful amounts of alcohol by inhalation at the workplace is only possible in exceptional cases.

Additional toxicological information:

Repeated dose toxicity		
64-17-5 Ethanol		
Oral	NOAEL (90d)	< 9.700 mg/kg bw/day (mouse)
Inhalative	NOAEC (28d)	> 7.380 mg/m ³ /ppm u (rat)

11.2. Information on other hazards

Endocrine disrupting properties	
78-93-3	2-Butanon

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity: Does not accumulate in organisms.

64-17-5 Ethanol	
LC50	14.200 mg/l (fish)
EC50 (static)	5.012 mg/l/48h (Ceriodaphnia dubia) (ASTM E729-80)
EC50 (static)	675 mg/l/96h (Chlorella vulgaris) (OECD 201)
EC50	275 mg/l/120h (Algae)
LC50 (dynamisch)	15.300 mg/l/96h (Pimephales promelas) (US EPA E03-05)
67-63-0 Isopropanol	
EC50 (static)	> 10.000 mg/l/24h (Daphnia magna) (OECD202)
LC50 (dynamic)	9.640 mg/l/96h (Pimephales promelas) (OECD203)
78-93-3 2-Butanon	
EC50 (statisch)	308 mg/l/48h (Daphnia magna) (OECD 202)
EC50 (statisch)	2.029 mg/l/96h (Pseudokirchneriella subcapitata) (OECD 201)
LC50 (statisch)	2.993 mg/l/96h (Pimephales promelas) (OECD 203)

12.2. Persistence and degradability: biologisch abbaubar
Other notes: No information on the mixture is available.

12.3. Bioaccumulative potential: Does not accumulate in organisms.

12.4. Mobility in soil: No further relevant information available.

12.5. Results of PBT and vPvB assessment

PBT: Not applicable
vPvB: Not applicable

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- 12.6. Endocrine disrupting properties:** For information on endocrine disrupting properties see section 11.
- 12.7. Other adverse effects:** No additional information available
- Further ecological information:**
- General information:** Water hazard class 1 (self-classification): slightly hazardous to water
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.


SECTION 13: Disposal considerations

- 13.1. Waste treatment methods**
- Recommendation:** Must not be disposed of together with household waste. Do not allow to enter the sewage system.
The mentioned waste codes are recommendations based on the expected use of the product.

European Waste Catalogue	
07 00 00	WASTE FROM ORGANIC CHEMICAL PROCESSES
07 01 00	Waste from the manufacture, preparation, distribution and use (MFSU) of basic organic chemicals
07 01 04*	Other organic solvents, washing liquids and mother liquors
14 00 00	WASTE FROM ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (EXCEPT 07 AND 08)
14 06 00	Waste from organic solvents, coolants and foam and aerosol propellants
14 06 03*	Other solvents and solvent mixtures
HP3	flammable
HP4	Irritant - skin irritation and eye damage

- Uncleaned packaging:**
- Recommendation:** The packaging must be disposed of in accordance with the German Packaging Act. Non-contaminated packaging can be recycled. Packaging that cannot be cleaned must be disposed of in the same way as the substance itself.

SECTION 14: Transport information

- 14.1. UN number or ID number**
ADR/ADN, IMDG, IATA: UN1170
- 14.2. UN proper shipping name**
Proper Shipping Name (ADR): UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
Proper Shipping Name (IMDG): ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
Proper Shipping Name (IATA): Ethanol solution
- 14.3. Transport hazard class(es)**
ADR/ADN
- 
- Transport hazard class(es) (ADR):** 3
Danger labels (ADR): 3

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IMDG, IATA



Transport hazard classes:	3
Danger labels:	3
14.4. Packing group ADR/ADN, IMDG, IATA:	II
14.5. Environmental hazards Marine pollutant:	No
14.6. Special precautions for user Number for labelling the hazard (Kemler number): EMS number: Stowage Category:	33 F-E,S-D A
14.7. Maritime transport in bulk according to IMO instruments: Transport/further information: Quantity limitations:	Not applicable On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L
ADR/ADN Limited quantities (LQ): Excepted quantities (EQ):	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Highest net quantity per outer packaging: 500 ml
Transport category: Tunnel restriction code: IMDG Limited quantities (LQ): Excepted quantities (EQ):	2 D/E 1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II

SECTION 15: Regulatory information

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

Directive 2012/18/EU

Named dangerous substances - ANNEX I: None of the ingredients are included.

Seveso category: P5c ENTZÜNDBARE FLÜSSIGKEITEN

Quantity threshold (in tonnes) for use in lower-tier establishments 5,000 t

Quantity threshold (in tonnes) for use in upper-tier establishments 50,000 t

REGULATION (EC) No 1907/2006 ANNEX XVII: Restriction conditions: 3

XVII:

Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment electrical and electronic equipment - Annex II

None of the ingredients are included.

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REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVE OUTPUTS (Upper concentration limit for authorisation under Article 5(3))
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None of the ingredients are included.

National regulations:

Notes on employment restrictions: Observe employment restrictions for expectant and breastfeeding mothers.

Technical guidance on air:

Class	Percentage in %
Water	2,5 - 10
NK	50 - 100

Water hazard class: WGK 1 (self-classification): slightly hazardous to water.

Other regulations, restrictions and prohibitions

Substances of Very High Concern (SVHC) according to REACH, Article 57
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None of the ingredients are included.

15.2. Chemical safety assessment: A chemical safety assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer.

Relevant phrases

H225: Highly flammable liquid and vapour
 H319: Causes serious eye irritation
 H336: Kann Schläfrigkeit und Benommenheit verursachen.
 EUH066: Wiederholter Kontakt kann zu spröder oder rissiger Haut führen.

Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
 IATA: International Air Transport Association
 IMDG: "International Maritime Dangerous Goods Code" for the transport of dangerous goods by sea
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 DNEL: Derived No-Effect Level (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 LC50: Lethal Concentration to 50 % of a test population (Median Lethal Concentration)
 LD50: Lethal Dose to 50% of a test population (Median Lethal Dose)
 PBT: Persistent, Bioaccumulative and Toxic
 SVHC: Substances of Very High Concern
 vPvB: very Persistent and very Bioaccumulative
 Flam. Liq. 2: Flammable liquids, Category 2
 Eye Irrit. 2: Serious eye damage/eye irritation, Category 2
 STOT SE 3: Spezifische Zielorgan-Toxizität (einmalige Exposition) – Kategorie 3