

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 18.02.2019

Version number 2

Revision: 18.02.2019

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

- **1.1 Product identifier**
- Trade name **UV TOP COAT (ANTISCRATCH 10%)**
DEEPMATT
- **Article number:** 1301-0214
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Coating material
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
HEIDELBERG COATINGS
Dr. RENTZSCH GMBH & CO. KG

KURPFALZRING 100A

69123 HEIDELBERG

PHONE: +49 6221 7485-0
FAX: +49 6221 7485-24

EMAIL: info@heidelbergcoatings.com
- **Informing department:** Product safety department.
- **1.4 Emergency telephone number:**
TEL.: 06221 / 7485-16 (Mo.-Fr. 7:30-16:00)
EMAIL: labor@heidelberger-lackfabrik.de

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.

.....



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

.....

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

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· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms** GHS05, GHS07

· **Signal word** Danger

· **Hazard-determining components of labelling:**

Neopentylglykolpropoxylat

Dipropylenglykoldiacrylat

hexamethylene diacrylate

2-ethylhexyl acrylate

· **Hazard statements**

H315 Causes skin irritation.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

· **Precautionary statements**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P273 Avoid release to the environment.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a doctor.

P321 Specific treatment (see on this label).

P362+P364 Take off contaminated clothing and wash it before reuse.

· **Additional information:**

Contains 2.3 % of components with unknown hazards to the aquatic environment.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.




· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**

· **Description:** Mixture of the substances listed below with harmless additions.

· **Dangerous components:**

CAS: 84170-74-1 EC number: 617-546-6 Reg.nr.: 01-2119970213-43	Neopentylglykolpropoxylat  Aquatic Chronic 2, H411;  Skin Sens. 1, H317	12.5-25%
CAS: 13048-33-4 EINECS: 235-921-9	hexamethylene diacrylate  Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	12.5-25%

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CAS: 103-11-7 EINECS: 203-080-7 Reg.nr.: 01-2119453158-37	2-ethylhexyl acrylate ! Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335; Aquatic Chronic 3, H412	2.5-10%
CAS: 123-42-2 EINECS: 204-626-7 Reg.nr.: 01-2119473975-21-xxxx	4-hydroxy-4-methylpentan-2-one Flam. Liq. 3, H226; ! Eye Irrit. 2, H319; STOT SE 3, H335	2.5-10%
CAS: 57472-68-1 EINECS: 260-754-3 Reg.nr.: 01-2119484629-21	Dipropylenglykoldiacrylat ! Eye Dam. 1, H318; ! Skin Irrit. 2, H315; Skin Sens. 1, H317	2.5-10%

- **SVHC** The product contains no substances named in the SVHC candidate list.
- **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information** Instantly remove any clothing soiled by the product.
- **After inhalation**
Supply fresh air; consult doctor in case of symptoms.
In case of unconsciousness bring patient into stable side position for transport.
- **After skin contact** Instantly rinse with water.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing** In case of persistent symptoms consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** Allergic reactions
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture**
Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.

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Use breathing protection against the effects of fumes/dust/aerosol.

· **6.2 Environmental precautions:**

Inform respective authorities in case product reaches water or sewage system.

· **6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralising agent.

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

· **6.4 Reference to other sections**

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

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

· **Storage**

· **Requirements to be met by storerooms and containers:**

Provide solvent resistant, sealed floor.

Provide floor trough without outlet.

Store in cool location.

· **Information about storage in one common storage facility:** Store away from oxidising agents.

· **Further information about storage conditions:** Keep container tightly sealed.

· **Storage class** 10

· **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **8.1 Control parameters**

· **Components with critical values that require monitoring at the workplace:**

123-42-2 4-hydroxy-4-methylpentan-2-one

WEL (Great Britain)	Short-term value: 362 mg/m ³ , 75 ppm
	Long-term value: 241 mg/m ³ , 50 ppm

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· **DNELs****103-11-7 2-ethylhexyl acrylate**

Dermal	DNEL	242 mg/kg bw/day (worker, local, short term)
		242 mg/kg bw/day (worker, local, long term)
Inhalative	DNEL	37.5 mg/m ³ (worker, local, long term)

123-42-2 4-hydroxy-4-methylpentan-2-one

Oral	DNEL	3.4 mg/kg bw/day (consumer, systemic, long term)
Dermal	DNEL	9.4 mg/kg bw/day (worker, systemic, long term)
		3.4 mg/kg bw/day (consumer, systemic, long term)
Inhalative	DNEL	240 mg/m ³ (worker, local, short term)
		66.4 mg/m ³ (worker, syst./loc., long term)
		66.4 mg/m ³ (worker, systemic, long term)
		120 mg/m ³ (consumer, local, short term)
		11.8 mg/m ³ (consumer, syst./loc, long term)
		11.8 mg/m ³ (consumer, systemic, long term)

57472-68-1 Dipropylenglykoldiacrylat

Inhalative	DNEL	24.48 mg/m ³ (worker, systemic, long term)
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947-19-3 1-Hydroxy-Cyclohexyl-Phenylketon

Oral	DNEL	1.5 mg/kg bw/day (consumer, systemic, long term)
Dermal	DNEL	3 mg/kg bw/day (worker, systemic, long term)
		1.5 mg/kg bw/day (consumer, systemic, long term)
Inhalative	DNEL	21.16 mg/m ³ (worker, systemic, long term)
		5.22 mg/m ³ (consumer, systemic, long term)

· **PNECs****103-11-7 2-ethylhexyl acrylate**

PNEC	0.002727 mg/l (fresh water)
	0.000272 mg/l (salt water)
	11 mg/l (sporadic release)
	2.3 mg/l (sewage plant (STP))
PNEC	126 mg/kg dwt (fresh water sediment)
	126 mg/kg dwt (salt water sediment)
	1 mg/kg dwt (soil)

123-42-2 4-hydroxy-4-methylpentan-2-one

PNEC	2 mg/l (fresh water)
	0.2 mg/l (salt water)
	1 mg/l (sporadic release)

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PNEC	82 mg/l (sewage plant (STP))
	9.06 mg/kg dwt (fresh water sediment)
	0.91 mg/kg dwt (salt water sediment)
	0.63 mg/kg dwt (soil)
57472-68-1 Dipropylenglykoldiacrylat	
PNEC	0.0034 mg/l (fresh water)
	0.00034 mg/l (salt water)
	0.034 mg/l (sporadic release)
	100 mg/l (sewage plant (STP))
PNEC	0.00884 mg/kg dwt (fresh water sediment)
	0.000884 mg/kg dwt (salt water sediment)
	0.0013 mg/kg dwt (soil)
947-19-3 1-Hydroxy-Cyclohexyl-Phenylketon	
PNEC	0.0144 mg/l (fresh water)
	0.00144 mg/l (salt water)
	144 mg/l (sporadic release)
	10 mg/l (sewage plant (STP))
PNEC	186 mg/kg dwt (fresh water sediment)
	0.0186 mg/kg dwt (salt water sediment)
	0.0284 mg/kg dwt (soil)

· **Additional information:** The lists that were valid during the compilation were used as basis.

· 8.2 Exposure controls

· Personal protective equipment

· General protective and hygienic measures

Keep away from foodstuffs, beverages and food.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

· **Breathing equipment:** Not necessary if room is well-ventilated.

· **Protection of hands:**



Protective gloves.

· Material of gloves

We recommend:

Nitril / Neopren ; strength >0,55 mm

naturelatex; strength > 1,0 mm

e.g. Sol-Vex 37-185; Emperor ME 104

(breakdown time >180 min)

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The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed safety glasses.

· **Body protection:** Protective work clothing.

SECTION 9: Physical and chemical properties

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

· **General Information**

· **Appearance:**

Form:

Fluid

Colour:

According to product specification

· **Smell:**

Characteristic

· **Odour threshold:**

Not determined.

· **pH-value:**

Neutral

Not determined.

· **Change in condition**

Melting point/freezing point:

Not determined

Initial boiling point and boiling range:

Not determined

· **Flash point**

(ISO 3679 / ISO 3680; SETA CLOSED CUP): >110 °C (DIN EN 456)

· **Inflammability (solid, gaseous)**

Not applicable.

· **Ignition temperature:**

235 °C

· **Decomposition temperature:**

Not determined.

· **Self-inflammability:**

Product is not selfigniting.

· **Explosive properties:**

Product is not explosive.

Not determined.

· **Critical values for explosion:**

Lower:

Not determined.

Upper:

Not determined.

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· Steam pressure:	Not determined.
· Density (DIN 51757) at 20 °C:	1.122 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
dynamic:	Not determined.
kinematic at 20 °C:	12-15 s (ISO 6 mm)
· Solvent content:	
Organic solvents:	19.7 %
Water:	0.4 %
VOC, EU (%)	4.39 %
Solids content(DIN 53189):	94.9 %
· 9.2 Other information	No further relevant information available.

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 if used according to specifications.
- **10.3 Possibility of hazardous reactions**
When diluting, always add acid to water, never vice versa
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Bases, oxidizing agents, amines
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values that are relevant for classification:**

84170-74-1 Neopentylglykolpropoxylat

Oral	LD50	>5,000 mg/kg (rat)
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Dermal	LD50	>2,000 mg/kg (rat)
Kieselsäuren, amorphe		
Oral	LD50	>5,000 mg/kg (rat) (OECD-Richtlinie 401)
	NOAEL	9,000 ml/kg/d (rat) (OECD-Richtlinie 408)
Dermal	LD50	>5,000 mg/kg (rabbit)
13048-33-4 hexamethylene diacrylate		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	3,650 mg/kg (rabbit)
103-11-7 2-ethylhexyl acrylate		
Oral	LD50	4,435 mg/kg (rat) (BASF-Test)
Dermal	LD50	7,522 mg/kg (rabbit)
123-42-2 4-hydroxy-4-methylpentan-2-one		
Oral	LD50	3,002 mg/kg (rat) (OECD-Prüfrichtlinie 401)
Dermal	LD50	13,630 mg/kg (rabbit)
57472-68-1 Dipropylenglykoldiacrylat		
Oral	LD50	3,530 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Synthetisches Hartwachs		
Oral	LD50	>3,000 mg/kg (rat)
silicon dioxide, chemically prepared		
Oral	LD50	10,000 mg/kg (rat)
2530-85-0 3-trimethoxysilylpropyl methacrylate		
Oral	LD50	>5,000 mg/kg (rat) (OECD TG 423)
947-19-3 1-Hydroxy-Cyclohexyl-Phenylketon		
Oral	LD50	>2,500 mg/kg (rat) (OECD-Richtlinie 423)
Dermal	LD50	>5,000 mg/kg (rat) (OECD-Richtlinie 402)

- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes skin irritation.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **Respiratory or skin sensitisation**
May cause an allergic skin reaction.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.

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· **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

84170-74-1 Neopentylglykolpropoxylat

NOEC	2 mg/l (bacteriae)
EC50	37 mg/l (daphniae)
	11 mg/l (algae)
LC50	2.7 mg/l (fish)

Kieselsäuren, amorphe

LC0 (static)	10,000 mg/l (fish) (OECD-Richtlinie 203)
	>140->2,000 mg/l (rat) (OECD-Richtlinie 403)
EC50	>1,000 mg/l (daphniae) (OECD-Richtlinie 202)
	>10,000 mg/l (algae) (OECD-Richtlinie 201)

13048-33-4 hexamethylene diacrylate

EC50	1-10 mg/l (algae)
	>10,000 mg/l (bacteriae)
LC50	1-10 mg/l (fish)
	1-10 mg/l (daphniae)

103-11-7 2-ethylhexyl acrylate

NOEC	0.19 mg/l (daphniae) (21 d; Daphnia magna)
EC50	1.3 mg/l (daphniae) (48 h; Daphnia magna)
	1.71 mg/l (algae) (OECD-Richtlinie 201)
LC50	1.81 mg/l (fish) (OECD-Richtlinie 203, semistatisch)

123-42-2 4-hydroxy-4-methylpentan-2-one

LC0	≥7.6 mg/l (rat) (OECD-Prüfrichtlinie 403)
NOEC	100 mg/l (daphniae) (OECD-Richtlinie 211)
	1,000 mg/l (algae) (OECD-Richtlinie 201)
EC50	>1,000 mg/l (daphniae) (OECD-Richtlinie 202)
	>100 mg/l (algae)
	>1,000 mg/l (bacteriae) (OECD-Richtlinie 209)
ErC50	>1,000 mg/l (algae) (OECD-Richtlinie 201)
IC 5	>3,000 mg/l (algae)
LC50	>100 mg/l (fish) (OECD-Richtlinie 203)

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57472-68-1 Dipropylenglykoldiacrylat	
EC50	10-100 mg/l (daphniae) (48 h)
	10-100 mg/l (algae) (72)
LC50	1-10 mg/l (fish) (96 h)
silicon dioxide, chemically prepared	
NOEC	10 mg/l (daphniae)
2530-85-0 3-trimethoxysilylpropyl methacrylate	
EC10	2,200 mg/l (bacteriae) (DIN 38412, Teil 8)
NOEC	322 mg/l (algae) (OECD TG 201)
	1,000 mg/l (bacteriae) (OECD TG 209)
EC50	>876 mg/l (daphniae) (OECD TG 202)
	>536 mg/l (algae) (OECD TG 202)
LC50	>1,024 mg/l (fish) (OECD-Richtlinie 203)
947-19-3 1-Hydroxy-Cyclohexyl-Phenylketon	
EC50	53.9 mg/l (daphniae) (OECD-Richtlinie 202, Teil 1, semistatisch)
	14.4 mg/l (algae) (OECD-Richtlinie 201)
LC50 (static)	24 mg/l (fish) (Richtlinie 92/69/EWG, C.1)

- **12.2 Persistence and degradability** Heavily biodegradable
- **12.3 Bioaccumulative potential** May be accumulated in organism
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **AOX-indication:** not relevant
- **According to recipe contains the following heavy metals and compounds according to EC guideline NO. 76/464 EC:**
none
- **General notes:**
Water hazard class 2 (Self-assessment): hazardous for water.
Do not allow product to reach ground water, water bodies or sewage system.
Must not reach sewage water or drainage ditch undiluted or unneutralised.
Harmful to aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

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SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **European waste catalogue**

The waste key numbers from EWC, is sector and process-specific implement .

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish
08 01 17*	wastes from paint or varnish removal containing organic solvents or other hazardous substances

· **Uncleaned packagings:**

· **Recommendation:** *Disposal must be made according to official regulations.*

SECTION 14: Transport information

· **14.1 UN-Number**

· **ADR, ADN, IMDG, IATA**

No dangerous good

· **14.2 UN proper shipping name**

· **ADR, ADN, IMDG, IATA**

No dangerous good

· **14.3 Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA**

· **Class**

No dangerous good

· **14.4 Packing group**

· **ADR, IMDG, IATA**

No dangerous good

· **14.5 Environmental hazards:**

Not applicable.

· **14.6 Special precautions for user**

Transport only in sealed and upright standing containers. Transport only by persons instructed concerning the measures in case of spilling or accident.

· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

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· **UN "Model Regulation":** No dangerous good

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2004/42/EC of the European Parliament and of the Council of 21 April 2004 / Part II 2010**
 The 2004/42/EG does not apply for this product.
- **Labelling according to Regulation (EC) No 1272/2008**
 The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms** GHS05, GHS07
- **Signal word** Danger
- **Hazard-determining components of labelling:**
 Neopentylglykolpropoxylat
 Dipropylenglykoldiacrylat
 hexamethylene diacrylate
 2-ethylhexyl acrylate
- **Hazard statements**
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H317 May cause an allergic skin reaction.
 H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P273 Avoid release to the environment.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a doctor.
 P321 Specific treatment (see on this label).
 P362+P364 Take off contaminated clothing and wash it before reuse.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **National regulations** Control of Substances Hazardous to Health (COSHH)
- **Information about limitation of use:** none
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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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 REACH registration numbers given in chapter 1 (for substances) or chapter 3 (for formulations) are given to our present knowledge resulting from the information provided by our suppliers.

· **Relevant phrases**

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

· **Department issuing data specification sheet:** Laboratory

· **Contact:**

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· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· *** Data compared to the previous version altered.**