

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 21.12.2021

Version number 1

Revision: 21.12.2021

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

- **1.1 Product identifier**
 - **Trade name: Skimmer Reparatur Dose 125 ml**
 - **UFI: YR70-Q0W2-J007-CQRA**
- **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** Adhesives
- **1.3 Details of the supplier of the safety data sheet**
 - **Manufacturer/Supplier:**

Fermit GmbH
Zur Heide 4,
D- 53560 Vettelschoß
www.fermit.de
 - **Informing department:**

Tel.: +49 (0) 2645-2207
Fax: +49 (0) 2645-3113
Email: info@fermit.de
- **1.4 Emergency telephone number:** Tel.: +49 (0) 2645-2207

SECTION 2: Hazards identification

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



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.

- **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**



GHS02 GHS07

- **Signal word** Danger
- **Hazard-determining components of labelling:**

butanone
ethyl acetate

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- **Hazard statements**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

- **Precautionary statements**

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P243 Take action to prevent static discharges.

P261 Avoid breathing mist/vapours/spray.

P280 Wear protective gloves / eye protection / face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

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.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Determination of endocrine-disrupting properties**

78-93-3 butanone

List II

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**

- **Description:** Mixture of the substances listed below including additives not requiring identification.

- **Dangerous components:**

CAS: 78-93-3 EINECS: 201-159-0 Reg.nr.: 01-2119457290-43-X	butanone ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	50 - 100%
CAS: 141-78-6 EINECS: 205-500-4 Reg.nr.: 01-2119475103-46-X	ethyl acetate ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	25 - 50%

- **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**

- **After inhalation**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness bring patient into stable side position for transport.

- **After skin contact**

Remove contaminated clothing immediately.

Wash intensively with water and soap. Use protective skin ointment.

- **After eye contact**

Keep eye lids open and rinse them with ample amounts of clean running water for at least 15 minutes.

Seek medical treatment.

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- **After swallowing** Avoid vomiting. Don't give anything to drink. Immediately consult physician.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **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**
Extinguishing powder, foam 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**
Can be released in case of fire:
Carbon monoxide (CO)
- **5.3 Advice for firefighters**
 - **Protective equipment:** Wear self-contained breathing apparatus.
 - **Additional information** Cool endangered containers with water spray.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Keep away from sources of ignition and care for sufficient ventilation due to the content of organic solvents.
Do not inhale vapours.
- **6.2 Environmental precautions:**
Do not allow to enter drainage system, surface or ground water.
Prevent material from reaching sewage system, holes and cellars.
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).
Dispose of contaminated material as waste according to section 13.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
- **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.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Use explosion-proof apparatus / fittings and spark-proof tools.
Vapours are heavier than air and may travel long distances along ground, ignite and flash back to source.

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- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
 - **Requirements to be met by storerooms and containers:**
Store cool and dry in well sealed containers.
Ensure sufficient ventilation.
 - **Information about storage in one common storage facility:**
Keep away from food, drink and animal feeding stuffs.
 - **Further information about storage conditions:**
Store in cool, dry conditions in well sealed containers.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Components with limit values that require monitoring at the workplace:**
WEL: workplace exposure limit
OEL: Occupational Exposure Limit
IOELV: Indicative Occupational Exposure Limit Values, workplace threshold value of the European Union

78-93-3 butanone

IOELV (European Union)	Short-term value: 900 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm
WEL (Great Britain)	Short-term value: 899 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm Sk, BMGV

141-78-6 ethyl acetate

IOELV (European Union)	Short-term value: 1468 mg/m ³ , 400 ppm Long-term value: 734 mg/m ³ , 200 ppm
WEL (Great Britain)	Short-term value: 1468 mg/m ³ , 400 ppm Long-term value: 734 mg/m ³ , 200 ppm

· DNELs

78-93-3 butanone

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)
	DNEL (consumer, long-term, systemic)	412 mg/kg bw/day (human)
Inhalative	DNEL (worker, long-term, systemic)	600 mg/m ³ (human)
	DNEL (consumer, long-term, systemic)	106 mg/m ³ (human)

141-78-6 ethyl acetate

Oral	DNEL (consumer, long-term, systemic)	4.5 mg/kg bw/day (human)
Dermal	DNEL (worker, long-term, systemic)	63 mg/kg bw/day (human)
	DNEL (consumer, long-term, systemic)	37 mg/kg bw/day (human)
Inhalative	DNEL (worker, short-term, systemic)	1,468 mg/m ³ (human)
	DNEL (worker, long-term, systemic)	734 mg/m ³ (human)
	DNEL (consumer, short-term, systemic)	734 mg/m ³ (human)
	DNEL (consumer, long-term, systemic)	367 mg/m ³ (human)
	DNEL (worker, short-term, local)	1,468 mg/m ³ (human)
	DNEL (worker, long-term, local)	734 mg/m ³ (human)
	DNEL (consumer, short-term, local)	734 mg/m ³ (human)
	DNEL (consumer, long-term, local)	367 mg/m ³ (human)

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67-68-5 dimethyl sulfoxide

Oral	DNEL (consumer, long-term, systemic)	60 mg/kg bw/day (human)
Dermal	DNEL (worker, long-term, systemic)	200 mg/kg bw/day (human)
	DNEL (consumer, long-term, systemic)	100 mg/kg bw/day (human)
Inhalative	DNEL (worker, long-term, systemic)	484 mg/m ³ (human)
	DNEL (consumer, long-term, systemic)	120 mg/m ³ (human)
	DNEL (worker, long-term, local)	265 mg/m ³ (human)
	DNEL (consumer, long-term, local)	47 mg/m ³ (human)

· PNECs
78-93-3 butanone

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 (.)

141-78-6 ethyl acetate

PNEC aqua (freshwater)	0.26 mg/L (.)
PNEC aqua (marine water)	0.026 mg/L (.)
PNEC STP	650 mg/L (.)
PNEC aqua (intermittent releases)	1.65 mg/L (.)

67-68-5 dimethyl sulfoxide

PNEC aqua (freshwater)	17 mg/L (.)
PNEC aqua (marine water)	1.7 mg/L (.)
PNEC STP	11 mg/L (.)
PNEC soil	3.02 mg/kg soil dw (.)
PNEC sediment (freshwater)	13.4 mg/kg sedim. dw (.)
PNEC oral	700 mg/kg food (.)

· Ingredients with biological limit values:
78-93-3 butanone

BMGV (Great Britain)	70 µmol/L Medium: urine Sampling time: post shift Parameter: butan-2-one
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· **Additional information:** The lists that were valid during the compilation were used as basis.

· 8.2 Exposure controls
· Individual protection measures, such as personal protective equipment
· General protective and hygienic measures

- Keep away from foodstuffs, beverages and food.
- Take off all contaminated clothing immediately.
- Wash hands during breaks and at the end of the work.
- Avoid contact with the eyes and skin.

· Breathing equipment:

- In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

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- **Hand protection**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

There is no suitable material for protective gloves for this substance. The recommended protective glove has to be replaced often

- **Material of gloves**

Butyl rubber, BR

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.

In case of a layer thickness of 0.7 mm the penetration time is longer than 120 minutes.

- **Eye/face protection**



Tightly sealed safety glasses.

SECTION 9: Physical and chemical properties

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

- **General Information**

• Physical state	Fluid
• Colour:	Colourless
• Odour:	Solvent-like
• Melting point/freezing point:	Not determined
• Boiling point or initial boiling point and boiling range	> 35 °C
• Flash point:	-4 °C
• Self-inflammability:	Product is not selfigniting.
• SADT	
• Viscosity:	
• Kinematic viscosity	Not determined.
• dynamic:	Not determined.
• Solubility	
• Water:	Insoluble
• Vapour pressure:	Not determined.
• Density and/or relative density	
• Density	> 1

- **9.2 Other information**

• Appearance:	
• Form:	Fluid
• Important information on protection of health and environment, and on safety.	
• Explosive properties:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
• VOC EU	746 g/l

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- **Information with regard to physical hazard classes**
- **Explosives** Void
- **Flammable gases** Void
- **Aerosols** Void
- **Oxidising gases** Void
- **Gases under pressure** Void
- **Flammable liquids**
Highly flammable liquid and vapour.
- **Flammable solids** Void
- **Self-reactive substances and mixtures** Void
- **Pyrophoric liquids** Void
- **Pyrophoric solids** Void
- **Self-heating substances and mixtures** Void
- **Substances and mixtures, which emit flammable gases in contact with water** Void
- **Oxidising liquids** Void
- **Oxidising solids** Void
- **Organic peroxides** Void
- **Corrosive to metals** Void
- **Desensitised explosives** Void

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** 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 at intended use.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

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

78-93-3 butanone

Oral	LD50	3,460 mg/kg (rat) (OECD 423)
Dermal	LD50	5,000 mg/kg (rabbit)

141-78-6 ethyl acetate

Oral	LD50	4,100 mg/kg (mouse)
		6,100 mg/kg (rat)
Dermal	LD50	> 20,000 mg/kg (rabbit)
Inhalative	LC50	200 mg/l/1h (rat)
	LC50	> 22.5 mg/l/6h (rat) (40 CFR Part 799)

67-68-5 dimethyl sulfoxide

Oral	LD50	28,300 mg/kg (rat) (OECD 401)
Dermal	LD50	40,000 mg/kg (rat)
Inhalative	LC50	87.38 mg/l/4h (cat)

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- **Skin corrosion/irritation**
Longer or repeated contact with the product reduces the natural readipogenesis of the skin and results in the desiccation of the skin. That product can be absorbed via the skin.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **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.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**
May cause drowsiness or dizziness.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**

· Repeated dose toxicity		
141-78-6 ethyl acetate		
Oral	NOAEL (90d)	900 mg/kg bw/day (rat) (EPA OTS 795.2600)
Inhalative	NOAEC (90d)	1.28 mg/m ³ (rat) (EPA OTS 798.2450) Vapour

- **11.2 Information on other hazards**

· Endocrine disrupting properties		
78-93-3	butanone	List II

SECTION 12: Ecological information

- **12.1 Toxicity**

· Aquatic toxicity:	
78-93-3 butanone	
EC50 (static)	308 mg/l/48h (Daphnia magna) (OECD 202)
EC50 (static)	2,029 mg/l/96h (Pseudokirchneriella subcapitata) (OECD 201)
LC50 (static)	2,993 mg/l/96h (Pimephales promelas) (OECD 203)
141-78-6 ethyl acetate	
EC50 (static)	3,090 mg/l/24h (Daphnia magna) (DIN 38412pt 11)
EC50 (static)	5,600 mg/l/48h (Scenedesmus subspicatus) (DIN 38 412, Part 9)
LC50 (dynamic)	230 mg/l/96h (Pimephales promelas) (US EPA method E03-05)
67-68-5 dimethyl sulfoxide	
EC50 (static)	24,600 mg/l/48h (Daphnia magna) (OECD 202)
LC50 (static)	> 25,000 mg/l/96h (Danio rerio) (OECD 203)
EC50 (static)	12,000 mg/l/72h (Pseudokirchneriella subcapitata) (OECD 201)

- **12.2 Persistence and degradability** No further relevant information available.

- **12.3 Bioaccumulative potential** No further relevant information available.

- **12.4 Mobility in soil** No further relevant information available.

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

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Endocrine disrupting properties**

For information on endocrine disrupting properties see section 11.

- **12.7 Other adverse effects**

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

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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 garbage. Do not allow product to reach sewage system.

The waste code numbers mentioned are recommendations based on the probable use of the product.

· European waste catalogue

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 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
HP3	Flammable
HP4	Irritant - skin irritation and eye damage
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

· Uncleaned packagings:

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

SECTION 14: Transport information

· 14.1 UN number or ID number

· **ADR/ADN, IMDG, IATA** UN1133

· 14.2 UN proper shipping name

· **ADR/ADN** 1133 ADHESIVES, special provision 640D
 · **IMDG, IATA** ADHESIVES

· 14.3 Transport hazard class(es)

· ADR/ADN



· **Class** 3 (F1) Flammable liquids.
 · **Label** 3

· IMDG, IATA



· **Class** 3 Flammable liquids.
 · **Label** 3

· 14.4 Packing group

· **ADR/ADN, IMDG, IATA** II

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· 14.5 Environmental hazards:	
· Marine pollutant:	No
· 14.6 Special precautions for user	
· Kemler Number:	Warning: Flammable liquids.
· EMS Number:	33
· Stowage Category	F-E,S-D
	B
· 14.7 Maritime transport in bulk according to IMO instruments	
	Not applicable.
· Transport/Additional information:	
· ADR/ADN	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
· Transport category	2
· Tunnel restriction code	D/E
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 1133 ADHESIVES, SPECIAL PROVISION 640D, 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 is listed.
- **Seveso category** P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

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· **Regulation (EC) No 273/2004 on drug precursors**

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· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

78-93-3	butanone	3
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· **National regulations**

· **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

· **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is contained.

· **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.

· **Relevant phrases**

H225 Highly flammable liquid and vapour.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.
 EUH066 Repeated exposure may cause skin dryness or cracking.

· **Department issuing data specification sheet:**

▶ **DEKRA** This Safety Data Sheet has been drawn up in cooperation with:
 DEKRA Assurance Services GmbH, Hanomagstr. 12, D-30449 Hanover, Germany,
 phone: (+49) 511 42079 - 0, reach@dekra.com.

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· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international 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)
 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. 2: Flammable liquids – Category 2
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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