

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 26.11.2025

Version number 6 (replaces version 5)

Revision: 26.11.2025

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

· **1.1 Product identifier**

· **Trade name:** Bartscher Chafing Fuel

· **Article number:** 500060, 500063

· **UFI:** G800-P0VS-K00F-T4YR

· **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** Chafing fuel

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

Bartscher GmbH
Franz-Kleine-Str. 28
33154 Salzkotten
www.bartscher.de

· **Informing department:**

Tel: +49(0)5258-971-0

Fax: +49(0)5258-971-120

· **1.4 Emergency telephone number:**

Giftnotruf Berlin

Tel. +49 (0)30 30686 700

Helpdesk in German and in English

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

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



GHS02 flame

Flam. Sol. 1 H228 Flammable solid.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

· **2.2 Label elements**

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

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

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Hazard pictograms


GHS02 GHS07

Signal word Danger

Hazard statements

H228 Flammable solid.

H319 Causes serious eye irritation.

Precautionary statements

P102 Keep out of reach of children.

P210 Keep away from open flames. - No smoking.

P337+P313 If eye irritation persists: Get medical advice/attention.

2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.

vPvB: Not applicable.

Determination of endocrine-disrupting properties

The product does not contain substances with endocrine disrupting properties.

* SECTION 3: Composition/information on ingredients

3.2 Mixtures
Description: Ethanol-containing burning paste solidified by a gelling agent.

Dangerous components:

CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5 Reg.nr.: 01-2119457610-43-0372	ethanol Flam. Liq. 2, H225; Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2; H319: C ≥ 50 %	50 - 100%
CAS: 67-56-1 EINECS: 200-659-6 Index number: 603-001-00-X Reg.nr.: 01-2119433307-44-X	methanol Flam. Liq. 2, H225; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; STOT SE 1, H370 Specific concentration limits: STOT SE 1; H370: C ≥ 10 % STOT SE 2; H371: 3 % ≤ C < 10 %	≤ 1%
CAS: 121-44-8 EINECS: 204-469-4 Index number: 612-004-00-5 Reg.nr.: 01-2119475467-26-X	triethylamine Flam. Liq. 2, H225; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; Skin Corr. 1A, H314; Eye Dam. 1, H318 ATE: LD50 oral: 100 mg/kg LD50 dermal: 300 mg/kg Specific concentration limit: STOT SE 3; H335: C ≥ 1 %	< 1%

Additional information

All ingredients are registered according to REACH-regulation.

For the wording of the listed hazard phrases refer to section 16.

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SECTION 4: First aid measures

- **4.1 Description of first aid measures**
 - **After inhalation** Supply fresh air; consult doctor in case of symptoms.
 - **After skin contact**
 - Remove contaminated clothing immediately.
 - Rinse with warm water.
 - If skin irritation continues, consult a doctor.
 - **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.
 - **After swallowing** Drink copious amounts of water and provide fresh air. Instantly call for doctor.
- **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**
 - Formation of flammable mixtures of vapours with air possible.
 - Under certain fire conditions, traces of other toxic gases cannot be excluded, e.g.: Carbon monoxide (CO)
- **5.3 Advice for firefighters**
 - **Protective equipment:**
 - In case of fire wear breathing equipment being independent of ambient air and suit provided full protection against chemicals.
 - **Additional information**
 - If possible without risk, move containers from fire area.
 - Cool endangered containers with water spray.

* SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
 - Keep away from ignition sources
 - Ensure adequate ventilation
 - Avoid contact with the product.
 - Wear protective equipment. Keep unprotected persons away.
 - **For non-emergency personnel**
 - Keep away from ignition sources
 - Close off the danger area.
 - **For emergency responders** Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** Do not allow to enter drainage system, surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
 - Absorb with liquid-binding material (sand, diatomite, universal binders) and disposal in suitable containers.
- **6.4 Reference to other sections**
 - See Section 7 for information on safe handling

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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

Avoid contact with eyes and skin.

First, put the can with the burning paste in the holding device or below the heater before igniting it. Let the can burn off only when standing vertically.

Keep it away from inflammable materials, e.g. tablecloths and decorating papers.

Keep out of the reach of children.

· Information about protection against explosions and fires:

Store it away from ignition sources or open fire.

· Handling

Avoid contact with the eyes.

Avoid close or long term contact with the skin.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage

· Requirements to be met by storerooms and containers:

Store only in the original container.

Keep container tightly closed.

Ensure sufficient ventilation.

Store in cool location.

· Information about storage in one common storage facility:

Store away from foodstuffs.

Keep away from strong oxidizing, alkalis and acidic materials.

· Further information about storage conditions: Protect from heat and direct sunlight.

· 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

64-17-5 ethanol

WEL (Great Britain)	Long-term value: 1920 mg/m ³ , 1000 ppm
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67-56-1 methanol

IOELV (European Union)	Long-term value: 260 mg/m ³ , 200 ppm Skin
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WEL (Great Britain)	Short-term value: 333 mg/m ³ , 250 ppm Long-term value: 266 mg/m ³ , 200 ppm Sk
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121-44-8 triethylamine

IOELV (European Union)	Short-term value: 12.6 mg/m ³ , 3 ppm Long-term value: 8.4 mg/m ³ , 2 ppm Skin
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WEL (Great Britain)	Short-term value: 17 mg/m ³ , 4 ppm Long-term value: 8 mg/m ³ , 2 ppm Sk
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· DNELs**64-17-5 ethanol**

Dermal	DNEL (worker, long-term, systemic)	400 mg/kg bw/day (human)
Inhalative	DNEL (worker, long-term, systemic)	380 mg/m ³ (human)
	DNEL (consumer, long-term, systemic)	114 mg/m ³ (human)

67-56-1 methanol

Oral	DNEL (consumer, short-term, systemic)	4 mg/kg bw/day (human)
	DNEL (consumer, long-term, systemic)	4 mg/kg bw/day (human)
Dermal	DNEL (worker, short-term, systemic)	20 mg/kg bw/day (human)
	DNEL (worker, long-term, systemic)	20 mg/kg bw/day (human)
	DNEL (consumer, short-term, systemic)	4 mg/kg bw/day (human)
	DNEL (consumer, long-term, systemic)	4 mg/kg bw/day (human)
Inhalative	DNEL (worker, short-term, systemic)	130 mg/m ³ (human)
	DNEL (worker, long-term, systemic)	130 mg/m ³ (human)
	DNEL (consumer, short-term, systemic)	26 mg/m ³ (human)
	DNEL (consumer, long-term, systemic)	26 mg/m ³ (human)
	DNEL (worker, short-term, local)	130 mg/m ³ (human)
	DNEL (worker, long-term, local)	130 mg/m ³ (human)
	DNEL (consumer, short-term, local)	26 mg/m ³ (human)
	DNEL (consumer, long-term, local)	26 mg/m ³ (human)

· PNECs**64-17-5 ethanol**

PNEC aqua (fresh water)	0.96 mg/L (.)
PNEC Water (marine water)	0.79 mg/L (.)
PNEC STP - Sewage Treatment Plant	580 mg/L (.)
PNEC soil	0.63 mg/kg soil dw (.)
PNEC sediment (fresh water)	3.6 mg/kg sedim. dw (.)
PNEC sediment (marine water)	2.9 mg/kg sedim. dw (.)
PNEC Water (sporadic release)	2.75 mg/L (.)
PNEC oral	380 mg/kg food (.)

· 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****· Breathing equipment:**

Not required when used as intended.
Use breathing protection in case of insufficient ventilation.

· Hand protection

No chemical-protective gloves required.
Protective gloves are recommended at frequent and/or long-term skin contact with the product.
Wear heat-resistant gloves when handling hot material.

· Material of gloves

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

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- 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.
- **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**
Nitrile rubber, NBR
- **Eye/face protection** Safety glasses recommended if possibility of liquid splashes exists.
- **Body protection:** Not required.

* SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

- **Colour:** colourless
- **Odour:** alcohol-like
- **Melting point/freezing point:** Not determined
- **Boiling point or initial boiling point and boiling range** 79 °C
- **Flammability** Highly flammable.
- **Lower and upper explosion limit**
- **Lower:** 3.3 Vol %
- **Upper:** 19 Vol %
- **Flash point:** 16 °C
- **SADT**
- **Solubility**
- **Water:** Dispersible
- **Partition coefficient n-octanol/water (log value)** Not determined.
- **Vapour pressure at 20 °C:** 59 hPa
- **Density and/or relative density**
- **Density at 25 °C** 0.84 g/cm³
- **Particle characteristics** See section 3.

· 9.2 Other information

- **Appearance:**
- **Form:** gel
- **Important information on protection of health and environment, and on safety.**
- **Self-inflammability:** Product is not selfigniting.
- **Explosive properties:** Product is not explosive. However, formation of explosive air/steam mixtures is possible.

· Information with regard to physical hazard classes

- **Explosives** Void
- **Flammable gases** Void
- **Aerosols** Void
- **Oxidising gases** Void
- **Gases under pressure** Void
- **Flammable liquids** Void
- **Flammable solids** Flammable solid.
- **Self-reactive substances and mixtures** Void

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· 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** The product is stable under normal handling and storage conditions (see section 7).
- **Information on the shelf life** The product is stable.
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
Avoid direct sunlight, heat and ignition sources.
- **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:** No dangerous decomposition products known

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:**

ATE (Acute Toxicity Estimates)

Oral	LD50	> 5,000 mg/kg
Dermal	LD50	> 15,000 mg/kg
Inhalative	LC50	> 150 ppmV/4h

64-17-5 ethanol

Oral	LD50	10,470 mg/kg (Rat) (OECD 401)
Dermal	LD50	> 20,000 mg/kg (rabbit)
Inhalative	LC50	> 114 mg/l/1h (mouse) (OECD 403)

67-56-1 methanol

Oral	LD50	7,000 - 9,000 mg/kg (rhesus monkey)
		> 5,000 mg/kg (pig)
	LDL0	> 2,528 mg/kg (Rat)
Dermal	LD50	17,100 mg/kg (rabbit)
Inhalative	LC50	128.2 mg/l/4h (Rat)

121-44-8 triethylamine

Oral	LD50	100 mg/kg (ATE)
Dermal	LD50	300 mg/kg (ATE)

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- **Primary irritant effect:**
- **Skin corrosion/irritation**
More frequent and continuous contact with the skin may result in irritation of the skin.
- **Serious eye damage/irritation** Irritation in case of direct contact
- **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** Based on available data, the classification criteria are not met.
- **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**

64-17-5 ethanol

Oral	NOAEL (90d)	1,730 mg/kg bw/day (Rat)
	LOAEL (90d)	3,200 mg/kg bw/day (Rat) (OECD 408)
Inhalative	NOAEC (28d)	> 7,380 mg/m ³ /ppm u (Rat)

- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

* SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

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 (dynamic)	15,300 mg/l/96h (Pimephales promelas) (US EPA E03-05)

67-56-1 methanol

LC50	15,400 mg/l (fish)
EC50 (static)	22,000 mg/l/96h (Raphidocelis subcapitata) (OECD 201)
	18,260 mg/l/96h (Daphnia magna)
	15,400 mg/l/96h (Lepomis macrochirus)

- **12.2 Persistence and degradability** No further relevant information available.
- **Other information:** The product is biodegradable.
- **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**
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects** No further relevant information available.

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· **Additional ecological information:**· **General notes:**

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. Ensure cans are completely empty before recycling.

Let the boxes burn off completely and dispose of them in the collection of recyclable materials depending on municipal regulations.

· **European waste catalogue**

07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 01 00	wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals
07 01 04*	other organic solvents, washing liquids and mother liquors
15 00 00	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01 00	packaging (including separately collected municipal packaging waste)
15 01 04	metallic packaging
HP3	Flammable
HP4	Irritant - skin irritation and eye damage

· **Uncleaned packagings:**· **Recommendation:**

Empty containers must be sent for scrap recycling or reconditioning. Containers that have not been properly emptied are hazardous waste.

Disposal must be made according to official regulations.

* SECTION 14: Transport information

· 14.1 UN number or ID number	
· ADR/RID, IMDG, IATA	UN1325
· 14.2 UN proper shipping name	
· ADR/RID	1325 FLAMMABLE SOLID, ORGANIC, N.O.S. (ETHANOL (ETHYL ALCOHOL))
· IMDG	FLAMMABLE SOLID, ORGANIC, N.O.S. (ETHANOL (ETHYL ALCOHOL))
· IATA	FLAMMABLE SOLID, ORGANIC, N.O.S. (ETHANOL)

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· 14.3 Transport hazard class(es) · ADR/RID  · Class · Label		4.1 (F1) Flammable solids, self-reactive substances, polymerizing substances and solid desensitized explosives 4.1
· IMDG, IATA  · Class · Label		4.1 Flammable solids, self-reactive substances, polymerizing substances and solid desensitized explosives 4.1
· 14.4 Packing group · ADR/RID, IMDG, IATA		II
· 14.5 Environmental hazards: · Marine pollutant:		No
· 14.6 Special precautions for user · Kemler Number: · EMS Number: · Stowage Category · Segregation Code		Warning: Flammable solids, self-reactive substances, polymerizing substances and solid desensitized explosives 40 F-A,S-G B SG72 See 7.2.6.3.2.
· 14.7 Maritime transport in bulk according to IMO instruments		Not applicable.
· Transport/Additional information:		
· ADR/RID · Limited quantities (LQ) · Excepted quantities (EQ) · Transport category · Tunnel restriction code		1 kg Code: E2 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 500 g 2 E
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)		1 kg Code: E2 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 500 g

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· UN "Model Regulation":	UN 1325 FLAMMABLE SOLID, ORGANIC, N.O.S. (ETHANOL (ETHYL ALCOHOL)), 4.1, II
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* 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.

· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 69

· **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.

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

None of the ingredients is listed.

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

None of the ingredients is listed.

· **National regulations**

· **Water hazard class:**

· **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.

This safety data sheet meets the requirements of Regulation (EU) 2015/830 and 2020/878 amending Annex II of Regulation (EC) 1907/2006.

This data sheet takes into account the labelling requirements of Regulation (EU) 2024/2564 adapting Regulation (EC) No 1272/2008 (22nd ATP of the CLP Regulation).

· **Reasons for alterations**

Amendment UFI

Reviewing the data

· **Relevant phrases**

The phrases specified here are no labelling elements for the product but repeat the properties of the ingredients from section 3.

H225 Highly flammable liquid and vapour.

H301 Toxic if swallowed.

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H311 Toxic in contact with skin.
 H314 Causes severe skin burns and eye damage.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H331 Toxic if inhaled.
 H335 May cause respiratory irritation.
 H370 Causes damage to organs.
 H371 May cause damage to organs.

· **Department issuing data specification sheet:**



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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· **Date of previous version:** 29.03.2018

· **Version number of previous version:** 5

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 ICAO: International Civil Aviation Organisation
 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
 ATE: Acute toxicity estimate values
 Flam. Liq. 2: Flammable liquids – Category 2
 Flam. Sol. 1: Flammable solids – Category 1
 Acute Tox. 3: Acute toxicity – Category 3
 Skin Corr. 1A: Skin corrosion/irritation – Category 1A
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 STOT SE 1: Specific target organ toxicity (single exposure) – Category 1

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