

Safety data sheet

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

Printing date 18.03.2026

Version number 310 (replaces version 309)

Revision: 18.03.2026

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

- **1.1 Product identifier** 600046
- **Trade name:** White-spirit E-COLL
- **Article number:** 4317784349321, 4317784349338, 4317784349345, 4332163894278, 4330816996522
- **UFI:** 37TT-M9JU-7A0H-TG7Q
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use**
 - SU21 Consumer uses: Private households / general public / consumers
 - SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Application of the substance / the mixture**
 - Lubricant
 - Solvents
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 - E/D/E - Einkaufsbuero Deutscher Eisenhaendler GmbH
 - EDE Platz 1
 - D-42389 Wuppertal
 - Germany

 - Tel. +49 202 6096-0
 - e-mail: sdb@ede.de
- **Further information obtainable from:** Product safety department
- **1.4 Emergency telephone number:**
 - Poison Control Center Mainz - 24 hour emergency service – phone: +49 (0) 6131/19240

* SECTION 2: Hazards identification

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

Flam. Liq. 3	H226 Flammable liquid and vapour.
STOT SE 3	H336 May cause drowsiness or dizziness.
Asp. Tox. 1	H304 May be fatal if swallowed and enters airways.
Aquatic Chronic 3	H412 Harmful to aquatic life with long lasting effects.
- **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 GHS08

Signal word Danger**Hazard-determining components of labelling:**Naphtha (petroleum), hydrotreated heavy
Hydrocarbons, C8-C9, isoalkanes**Hazard statements**H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.
H412 Harmful to aquatic life with long lasting effects.**Precautionary statements**P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves / eye protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P331 Do NOT induce vomiting.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
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 hazardsMay form flammable / explosive vapour/air mixtures. The vapours of the product are heavier than air and can accumulate in higher concentrations on the ground, in pits, sewers and cellars. Particular risk of slipping due to leaking or spilt product. This material can become electrostatically charged by flowing out or stirring and ignite through static discharge.
The mixture does not contain any substance with endocrine disrupting properties (< 0.1%).**Results of PBT and vPvB assessment**

The product does not contain any substances that fulfil the criteria for PBT or vPvB substances according to Annex XIII of Regulation (EC) No. 1907/2006.

- **PBT:** Not applicable
- **vPvB:** Not applicable

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SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

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

· **Dangerous components:**

CAS: 64742-48-9 EC number: 927-241-2 Reg.nr.: 01-2119471843-32-XXXX	Naphtha (petroleum), hydrotreated heavy ⚠ Flam. Liq. 3, H226 ☠ Asp. Tox. 1, H304 ⚠ STOT SE 3, H336 Aquatic Chronic 3, H412 EUH066	50-100%
EC number: 932-020-9 Reg.nr.: 01-2119548395-31-XXXX	Hydrocarbons, C8-C9, isoalkanes ⚠ Flam. Liq. 3, H226 ☠ Asp. Tox. 1, H304 ⚠ Aquatic Chronic 2, H411 ⚠ STOT SE 3, H336	10-<25%

· **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:** Immediately remove any clothing soiled by the product.

· **After inhalation:** Supply fresh air.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

Do not induce vomiting; call for medical help immediately.
Drink plenty of water and provide fresh air. Call for a doctor immediately.

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

If swallowed with subsequent vomiting: DANGER OF ASPIRATION !
Symptoms: Coughing, wheezing, wheezing, shortness of breath, shortness of breath and / or fever, headache, dizziness, nausea, fatigue, drowsiness, narcotic effect, incoordination, poisoning effect on the central nervous system
Signs of skin irritation may include a burning sensation, redness or swelling.

· 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Oxygen ventilation if necessary. Regulation of circulatory function, possibly shock treatment. Symptoms may not appear for many hours. For this reason, medical supervision is

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recommended for at least 48 hours after exposure. Subsequent observation for pneumonia and pulmonary oedema.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media**· Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· For safety reasons unsuitable extinguishing agents: Water with full jet**· 5.2 Special hazards arising from the substance or mixture**

Vapours from the product are heavier than air and can collect in higher concentrations on the ground, in pits, ducts and cellars and re-ignite. The product floats in water and can re-ignite.

· 5.3 Advice for firefighters**· Protective equipment:** Do not inhale explosion gases or combustion gases.**· Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

· 6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow product to reach sewage system or any water course.

Dilute with plenty of water.

Prevent seepage into sewage system, workpits and cellars.

Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for containment and cleaning up:

Ensure adequate ventilation.

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

Dispose contaminated material as waste according to section 13.

· 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 disposal information.

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SECTION 7: Handling and storage

· **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.

· **Information about fire - and explosion protection:**



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.
Protect from heat.

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

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** Provide floor trough without outlet.

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

· **Further information about storage conditions:**

Storage temperature: 15-25°C
Keep container tightly sealed.

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

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **DNELs**

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics:

Use Exposure duration Exposure route Threshold value Unit
Worker chronic, systemic inhalative 871 mg/m³

dermal 77 mg/kg/day

Consumer chronic, systemic inhalative 185 mg/m³

dermal 46 mg/kg/day

Hydrocarbons, C8-C9, isoalkanes

Use Exposure duration Exposure route Threshold value Unit
Worker chronic, systemic inhalative 2,035 mg/m³

dermal 773 mg/kg/day

Consumer chronic, systemic inhalative 608 mg/m³

dermal 699 mg/kg/day

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· PNECs

The substance is a hydrocarbon of complex, unknown or variable composition. Conventional methods for determining PNECs are not suitable and it is not possible to determine a single representative PNEC for such substances.

· Additional information: The lists valid during the making were used as basis.**· 8.2 Exposure controls**

Explosion protection required. Ensure good ventilation of the work area and/or extraction equipment at the workplace. The extent of protection and the types of measures required will vary depending on the potential exposure conditions. Select workplace monitoring based on a risk assessment of local conditions. Local exhaust fume extraction is recommended. Extinguishing water monitoring and sprinkler systems are recommended. If material is heated or sprayed or mist is formed, a higher concentration may occur in the air. Provide employees with theoretical and practical training on the hazards and protective measures relevant to routine work with this product.

· Appropriate engineering controls No further data; see section 7.**· Individual protection measures, such as personal protective equipment****· General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.

· Respiratory protection:

Not necessary if room is well-ventilated.

If technical controls cannot keep the air pollutant concentration below the critical level for occupational safety, the appropriate respiratory protection must be selected taking into account the specific working conditions and the relevant legal regulations. Where applicable, the choice, use and maintenance of respiratory protection must comply with the regulations. Wear respiratory protective equipment when normal filter systems are unsuitable, e.g. at high air concentrations, at risk of oxygen deficiency or in enclosed spaces. If normal filter systems are suitable, be sure to select the appropriate combination of filter and mask. If air-filtering respirators are suitable for the conditions of use, use a suitable filter for gases and vapours of organic compounds in accordance with EN14387 (type A gas filter against organic gases and vapours with boiling point > 65°C / identification colour brown).

· Hand protection

Protective gloves

· Material of gloves

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.4 mm**· 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.

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- **Eye/face protection** Recommendation: safety glasses with side protection shield
- **Body protection:** Solvent resistant protective clothing

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

- **Physical state** Liquid
- **Colour:** Colourless
- **Odour:** Characteristic
- **Odour threshold:** Not determined
- **Melting point/freezing point:** Undetermined
- **Boiling point or initial boiling point and boiling range** 138-160 °C
- **Flammability** Not applicable
- **Lower and upper explosion limit**
- **Lower:** 0.7 Vol %
- **Upper:** 7 Vol %
- **Flash point:** 27 °C
- **Auto-ignition temperature:** >200 °C
- **Decomposition temperature:** Not determined
- **pH** Not determined
- **Viscosity:**
- **Kinematic viscosity at 20 °C** 1 mm²/s
- **Kinematic: 23 °C - 4 mm (ISO 2431)**
- **Dynamic at 20 °C:** 1 mPas
- **Solubility**
- **water:** Not miscible or difficult to mix.
- **Partition coefficient n-octanol/water (log value)** Not determined
- **Vapour pressure at 20 °C:** 8 hPa
- **Vapour pressure at 20 °C:** 8 hPa
- **Density and/or relative density**
- **Density at 20 °C:** 0.759 g/cm³
- **Relative density** Not determined
- **Vapour density** >1 (1.013hPa/Luft=1)

· 9.2 Other information

- **Appearance:**
- **Form:** Liquid
- **Important information on protection of health and environment, and on safety.**
- **Ignition temperature:** > 200 °C
- **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
- **Solvent separation test:**
- **Organic solvents:** 85.0 %

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- **Change in condition**
- **Drip point:**
- **Oxidising properties** Not determined.
- **Evaporation rate** Not determined

- **Information with regard to physical hazard classes**
- **Explosives** Void
- **Flammable gases** Void
- **Aerosols** Void
- **Oxidising gases** Void
- **Gases under pressure** Void
- **Flammable liquids** 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**

Stable under normal conditions.
Vapours form explosive mixtures with air. Keep away from heat, sparks, open flames and other ignition sources.
- **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**

In case of insufficient ventilation and/or use, formation of explosive/highly flammable vapour/air mixtures possible. Uncleaned empty containers may contain product gases which form explosive mixtures with air. Hazardous reactions with strong oxidising agents.
- **10.4 Conditions to avoid**

Avoid naked flames, heat, sparks, other sources of ignition, electrostatic charge, impact and friction. Do not smoke. Do not store together with strong oxidising agents.
- **10.5 Incompatible materials:** Strong oxidising agents.

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- **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 relevant for classification:**

CAS: 64742-48-9 Naphtha (petroleum), hydrotreated heavy

Oral	LD50	>15,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rab)
Inhalative	LC50/4h	76 ppm (rat)

- **Primary irritant effect:**

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.

- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.

- **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**

May be fatal if swallowed and enters airways.

- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

Hydrocarbons, C8-C9, isoalkanes

EC50 (21d) 10 mg/L (Pseudokirchneriella subcapitata)

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96h LC50	18.4 mg/l (Oncorhynchus mykiss)
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12.2 Persistence and degradability

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclenes, <2% aromatics
(readily biodegradable)

Degradation rate Time Method Source

89.0% 28 d OECD Guideline 301 F ECHA

Hydrocarbons, C8-C9, isoalkanes

(slowly biodegradable)

Degradation rate Time Method Source

60.0% 60 d OECD Guideline 301 F ECHA

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

12.4 Mobility in soil

The product can evaporate very quickly. Presumably there is no distribution to the sediment layer and wastewater substances.

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

Leaking product can lead to the formation of a film on the surface of the water, which reduces oxygen exchange and can result in the death of organisms. However, the product is expected to evaporate relatively quickly from the water surface.

· **Remark:** Toxic for fish

Additional ecological information:**General notes:**

Toxic for aquatic organisms

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Also poisonous for fish and plankton in water bodies.

SECTION 13: Disposal considerations**13.1 Waste treatment methods:**

It is the responsibility of the waste producer to determine the toxicity and physical properties of the material produced in order to determine the correct classification of the waste and the disposal methods in compliance with applicable regulations.

classification of the waste and the disposal methods in compliance with the applicable regulations. The waste product must not be allowed to contaminate the soil or groundwater or be disposed of in the environment. Waste, spillages and the used product are hazardous waste.

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Empty the container completely. Do not incinerate empty containers or process them with a cutting torch.

Risk of explosion.

Containers can be recycled after appropriate cleaning.

Packaging that cannot be cleaned must be disposed of in the same way as the substance itself.

Do not pressurise, cut, weld, braze, solder, drill or grind containers.

Waste disposal key:

The mentioned waste codes are recommendations based on the expected use of this product. Due to the specific use and disposal conditions of the user, other waste codes may also be assigned under certain circumstances. (2014/955/EU)

European waste catalogue

07 01 04* other organic solvents, washing liquids and mother liquors

Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information**14.1 UN number or ID number**

ADR, IMDG, IATA UN1300

14.2 UN proper shipping name

ADR UN1300 TURPENTINE OIL SUBSTITUTE
UN1300 TURPENTINE SUBSTITUTE,
ENVIRONMENTALLY HAZARDOUS
IMDG, IATA UN1300 TURPENTINE SUBSTITUTE,
ENVIRONMENTALLY HAZARDOUS

14.3 Transport hazard class(es)

ADR



Class 3 (F1) Flammable liquids.
Label 3

IMDG, IATA



Class 3 Flammable liquids.
Label 3

14.4 Packing group

ADR, IMDG, IATA III

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- **14.5 Environmental hazards:** Not applicable
 - **14.6 Special precautions for user** Warning: Flammable liquids.
 - **Hazard identification number (Kemler code):** 30
 - **EMS Number:** F-E,S-E
 - **14.7 Maritime transport in bulk according to IMO instruments** Not applicable
 - **Transport/Additional information:**
-
- **ADR**
 - **Limited quantities (LQ)** 5L
 - **Excepted quantities (EQ)** Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml
 - **Transport category** 3
 - **Tunnel restriction code** D/E
-
- **IMDG**
 - **Limited quantities (LQ)** 5L
 - **Excepted quantities (EQ)** Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml
 - **UN "Model Regulation":** UN1300, TURPENTINE SUBSTITUTE,
ENVIRONMENTALLY HAZARDOUS, 3, III

* SECTION 15: Regulatory information

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

- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS02 GHS07 GHS08

- **Signal word** Danger
- **Hazard-determining components of labelling:**
Naphtha (petroleum), hydrotreated heavy
Hydrocarbons, C8-C9, isoalkanes
- **Hazard statements**
H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.

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H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves / eye protection.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
- P331 Do NOT induce vomiting.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Directive 2012/18/EU**· 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.

· 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:**· Information about limitation of use:**

- Employment restrictions concerning juveniles must be observed.
- Employment restrictions concerning pregnant and lactating women must be observed.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**· Exposure scenario(s)**

Exposure scenario(s) of ingredients (if present) are available on request at:

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sdb@ede.de

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SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.

· Department issuing SDS: Product safety department

- **Contact:** sdb@ede.de
- **Date of previous version:** 12.03.2024
- **Version number of previous version:** 309

· 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
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 3: Flammable liquids – Category 3
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- Asp. Tox. 1: Aspiration hazard – Category 1
- 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.