

Safety Data Sheet

acc. to The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended)

SUPERCLEAN FLUID

Version number: 1.0

First version: 2025-09-17

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

1.1 Product identifier

Trade name

SUPERCLEAN FLUID

Plastic surface cleaner, pump spray
250 ml pump spray

Product number

578119

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

Relevant identified uses

Cleaning agent

1.3 Details of the supplier of the safety data sheet

DURABLE Hunke & Jochheim GmbH & Co. KG
Westfalenstraße 77 – 79
58636 Iserlohn
Germany

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e-mail: durable@durable.de
Website: www.durable.de

e-mail (competent person)

sdb@csb-compliance.com

Please do not use this e-mail address to ask for the latest safety data sheet. For this purpose contact :

DURABLE Hunke & Jochheim GmbH & Co. KG
Telephone: +49 (0) 2371 662 350
e-Mail: durable-clean@durable.de

1.4 Emergency telephone number

| Poison centre | | |
|---------------|-------------------|--------------|
| Country | Name | Telephone |
| Germany | Giftnotruf Berlin | +49 30 19240 |

As above or nearest toxicological information centre.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (acc. to GB CLP)

| Classification | | | | |
|----------------|-----------------------------------|----------|---------------------------|------------------|
| Section | Hazard class | Category | Hazard class and category | Hazard statement |
| 3.3 | serious eye damage/eye irritation | 2 | Eye Irrit. 2 | H319 |

For full text of abbreviations: see SECTION 16

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2.2 Label elements

Labelling (acc. to GB CLP)
Signal word warning

Pictograms
GHS07

Hazard statements
H319 Causes serious eye irritation.

Precautionary statements
P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/....

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

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

Supplemental hazard information
EUH210 Safety data sheet available on request.

Additional labelling requirements see section 15 of the safety data sheet

2.3 Other hazards

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0,1\%$.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.


SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture).

3.2 Mixtures

Description of the mixture

| Hazardous ingredients | | | | | |
|-----------------------|--------------------|---------|--|---|-------|
| Name of substance | Identifier | Wt% | Classification acc. to GHS | Pictograms | Notes |
| 2-butoxyethanol | CAS No 111-76-2 | 1 – < 5 | Acute Tox. 4 / H302 Acute Tox. 3 / H331 Skin Irrit. 2 / H315 |  | - |

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| Hazardous ingredients | | | | | |
|-----------------------|--|-----|----------------------------|------------|-------|
| Name of substance | Identifier | Wt% | Classification acc. to GHS | Pictograms | Notes |
| | EC No 203-905-0 Index No 603-014-00-0 | | Eye Irrit. 2 / H319 | | |

| Name of substance | Specific Conc. Limits | M-Factors | ATE | Exposure route |
|-------------------|-----------------------|-----------|--------------------------|----------------------------|
| 2-butoxyethanol | - | - | 1,200 mg/kg 3 mg/l/4h | oral inhalation: vapour |

Remarks

For full text of H-phrases: see SECTION 16

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Self-protection of the first aider.
Remove affected person from the danger area and lay down.
Do not leave affected person unattended.
Take off immediately all contaminated clothing.
In all cases of doubt, or when symptoms persist, seek medical advice.

Following inhalation

Provide fresh air.
If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

Following ingestion

Rinse mouth. Do not induce vomiting.
Get medical advice/attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

This information is not available.

4.3 Indication of any immediate medical attention and special treatment needed

None.

SECTION 5: Firefighting measures

5.1 Extinguishing media

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Suitable extinguishing media

water spray, alcohol resistant foam, fire extinguishing powder, carbon dioxide (CO₂)

Unsuitable extinguishing media

water jet

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products: Section 10.

Hazardous combustion products

nitrogen oxides (NO_x), carbon monoxide (CO), carbon dioxide (CO₂), pyrolysis products, toxic

5.3 Advice for firefighters

Non-combustible.

Keep containers cool with water spray.

In case of fire and/or explosion do not breathe fumes.

Co-ordinate firefighting measures to the fire surroundings.

Do not allow firefighting water to enter drains or water courses.

Collect contaminated firefighting water separately.

Fight fire with normal precautions from a reasonable distance.

Special protective equipment for firefighters

chemical protection suit, self-contained breathing apparatus (EN 133)

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

Ventilate affected area.

Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water.

Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Bunding.

Covering of drains.

Advice on how to clean up a spill

Collect spillage.

Absorbent material (e.g. sand, diatomaceous earth, acid binder, universal binder, sawdust, etc.).

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal.

Ventilate affected area.

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6.4 Reference to other sections

Hazardous combustion products: see section 5.

Personal protective equipment: see section 8.

Incompatible materials: see section 10.

Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation.

Measures to protect the environment

Avoid release to the environment.

Do not empty into drains; dispose of this material and its container at hazardous or special waste collection point.

Advice on general occupational hygiene

Do not eat, drink and smoke in work areas.

Wash hands after use.

Preventive skin protection (barrier creams/ointments) is recommended.

Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities

Flammability hazards

None.

Incompatible substances or mixtures

Incompatible materials: see section 10.

Protect against external exposure, such as

heat, frost

Consideration of other advice

Keep away from food, drink and animal feedingstuffs.

Ventilation requirements

Provision of sufficient ventilation.

Specific designs for storage rooms or vessels

Keep container tightly closed and in a well-ventilated place.

Packaging compatibilities

Keep only in original container.

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

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| Occupational exposure limit values (Workplace Exposure Limits) | | | | | | | | | |
|--|-----------------|----------|------------|-----------|-------------|------------|--------------|----------|------------|
| Country | Name of agent | CAS No | Identifier | TWA [ppm] | TWA [mg/m³] | STEL [ppm] | STEL [mg/m³] | Notation | Source |
| EU | 2-butoxyethanol | 111-76-2 | IOELV | 20 | 98 | 50 | 246 | H | 2000/39/EC |
| GB | 2-butoxyethanol | 111-76-2 | WEL | 25 | 123 | 50 | 246 | H | EH40/2005 |

Notation

H absorbed through the skin

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

| Biological limit values | | | | | | | |
|-------------------------|-----------------|---------------------|----------|------------|--------------|----------|-----------|
| Country | Name of agent | Parameter | Notation | Identifier | Value | Material | Source |
| GB | 2-butoxyethanol | 2-butoxyacetic acid | crea | BMGV | 240 mmol/mol | urine | EH40/2005 |

Notation

crea creatinine

Human health values

| Relevant DNELs of components | | | | | | |
|------------------------------|----------|----------|-----------------|------------------------------------|-------------------|----------------------------|
| Name of substance | CAS No | Endpoint | Threshold level | Protection goal, route of exposure | Used in | Exposure time |
| 2-butoxyethanol | 111-76-2 | DNEL | 98 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |

Environmental values

| Relevant PNECs of components | | | | |
|------------------------------|----------|----------|-----------------|------------------------------|
| Name of substance | CAS No | Endpoint | Threshold level | Environmental compartment |
| 2-butoxyethanol | 111-76-2 | PNEC | 66 mg/l | sewage treatment plant (STP) |

8.2 Exposure controls

Appropriate engineering controls

Use local and general ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection. (EN 166)

Hand protection

Wear suitable gloves.

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Chemical protection gloves are suitable, which are tested according to EN 374.
Check leak-tightness/impermeability prior to use.

Body protection

Protective clothing against liquid chemicals.
(EN 13832, EN 340, EN 13034, EN 14605).

Respiratory protection

In case of inadequate ventilation wear respiratory protection.
(EN 136, EN 140, EN 14387, EN 143, EN 149).

Environmental exposure controls

Use appropriate container to avoid environmental contamination.
Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|---|---|
| Physical state | liquid |
| Colour | clear |
| Odour | perfumed |
| Melting point/freezing point | not determined |
| Boiling point or initial boiling point and boiling range | 100 °C (CAS 7732-18-5) |
| Flammability | non-combustible |
| Lower and upper explosion limit | not determined |
| Flash point | not determined needs not be classified as flammable: flash point of more than 35 °C and negative results have been obtained in the sustained combustibility test |
| Auto-ignition temperature | not determined |
| Decomposition temperature | not relevant |
| pH (value) | ~7 (20 °C) |
| Kinematic viscosity | 50 mm ² /s at 20 °C |
| Dynamic viscosity | <50 mPa s |
| Solubility(ies) | |
| Water solubility | miscible in any proportion |
| Partition coefficient n-octanol/water (log value) | not determined |
| Vapour pressure | 23.4 hPa at 20 °C (CAS 7732-18-5) |
| Density and/or relative density | |

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| | |
|-------------------------|---|
| Density | ~1 g/cm ³ at 20 °C |
| Relative vapour density | information on this property is not available |

| | |
|---------------------------------|--------------------------|
| Particle characteristics | not relevant (liquid) |
|---------------------------------|--------------------------|

9.2 Other information

| | |
|---|--|
| Information with regard to physical hazard classes | hazard classes acc. to GHS (physical hazards): not relevant |
|---|--|

| | |
|-------------------------------------|------------------------------------|
| Other safety characteristics | there is no additional information |
|-------------------------------------|------------------------------------|

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is not reactive under normal ambient conditions.

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

10.5 Incompatible materials

acids, bases, oxidisers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known.

Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Classification procedure

If not otherwise specified the classification is based on:
Ingredients of the mixture (additivity formula).

Classification acc. to GHS

Acute toxicity

The classification criteria for this hazard class are not met.

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| Acute toxicity of components | | | | | | | |
|------------------------------|----------|----------------|----------|--------------|------------|--------------------|--------|
| Name of substance | CAS No | Exposure route | Endpoint | Value | Species | Method | Source |
| 2-butoxyethanol | 111-76-2 | dermal | LD0 | >2,000 mg/kg | guinea pig | OECD Guideline 402 | ECHA |

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.
Causes serious eye irritation.

Respiratory or skin sensitisation

Skin sensitisation

Based on available data, the classification criteria are not met.

Respiratory 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.

Specific target organ toxicity - single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity - repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity (acute)

Based on available data, the classification criteria are not met.

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Aquatic toxicity (acute) of components

| Name of substance | CAS No | Endpoint | Exposure time | Value | Species | Method | Source |
|-------------------|----------|----------|---------------|-------------|-------------------------------------|--------------------|--------|
| 2-butoxyethanol | 111-76-2 | LC50 | 96 h | 1,474 mg/l | rainbow trout (Oncorhynchus mykiss) | OECD Guideline 203 | ECHA |
| 2-butoxyethanol | 111-76-2 | ErC50 | 72 h | >1,000 mg/l | algae (raphidocelis subcapitata) | OECD Guideline 201 | ECHA |
| 2-butoxyethanol | 111-76-2 | EC50 | 48 h | 1,550 mg/l | daphnia magna | OECD Guideline 202 | ECHA |
| 2-butoxyethanol | 111-76-2 | EbC50 | 72 h | 623 mg/l | algae (raphidocelis subcapitata) | OECD Guideline 201 | ECHA |

Aquatic toxicity (chronic)

Based on available data, the classification criteria are not met.

Aquatic toxicity (chronic) of components

| Name of substance | CAS No | Endpoint | Exposure time | Value | Species | Method | Source |
|-------------------|----------|------------------------|---------------|-----------|----------------------------------|--------------------|--------|
| 2-butoxyethanol | 111-76-2 | EC50 | 21 d | 297 mg/l | daphnia magna | OECD Guideline 211 | ECHA |
| 2-butoxyethanol | 111-76-2 | NOEC | 72 h | 62.5 mg/l | algae (raphidocelis subcapitata) | OECD Guideline 201 | ECHA |
| 2-butoxyethanol | 111-76-2 | NOEC | 21 d | 100 mg/l | daphnia magna | OECD Guideline 211 | ECHA |
| 2-butoxyethanol | 111-76-2 | growth (Eb-Cx) 10% | 21 d | 134 mg/l | daphnia magna | OECD Guideline 211 | ECHA |
| 2-butoxyethanol | 111-76-2 | growth (Eb-Cx) 10% | 72 h | 308 mg/l | algae (raphidocelis subcapitata) | OECD Guideline 201 | ECHA |
| 2-butoxyethanol | 111-76-2 | growth rate (ErCx) 10% | 72 h | 679 mg/l | algae (raphidocelis subcapitata) | OECD Guideline 201 | ECHA |

12.2 Persistence and degradability

Biodegradation

The relevant substances of the mixture are readily biodegradable.

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Degradability of components

| Name of sub-stance | CAS No | Process | Degradation rate | Time | Method | Source |
|--------------------|----------|---------------------------|------------------|------|----------------------|--------|
| 2-butoxyethanol | 111-76-2 | carbon dioxide generation | 90.4 % | 28 d | OECD Guideline 301 B | ECHA |

Persistence

No data available.

12.3 Bioaccumulative potential

Bioaccumulative potential of components

| Name of substance | CAS No | BCF | Log KOW |
|-------------------|----------|-----|---------------------------|
| 2-butoxyethanol | 111-76-2 | - | 0.81 (pH value: 7, 25 °C) |

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0,1\%$.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.

12.7 Other adverse effects

No data available.

Remarks

Wassergefährdungsklasse, WGK (water hazard class): 1.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

This material and its container must be disposed of as hazardous waste.

Sewage disposal-relevant information

Do not empty into drains.

Waste treatment of containers/packages

Completely emptied packages can be recycled.

Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions.

SECTION 14: Transport information

| | | |
|------|----------------------------|--------------------------------------|
| 14.1 | UN number | not subject to transport regulations |
| 14.2 | UN proper shipping name | - |
| 14.3 | Transport hazard class(es) | - |

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| | | |
|-------------|--|---|
| 14.4 | Packing group | - |
| 14.5 | Environmental hazards | - |
| 14.6 | Special precautions for user | - |
| 14.7 | Maritime transport in bulk according to IMO instruments | - |

SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

Seveso Directive

Not assigned.

Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

None of the ingredients are listed.

Regulation on the marketing and use of explosives precursors

None of the ingredients are listed.

Regulation on drug precursors

None of the ingredients are listed.

Regulation on substances that deplete the ozone layer (ODS)

None of the ingredients are listed.

Regulation concerning the export and import of hazardous chemicals (PIC)

None of the ingredients are listed.

Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

National regulations (GB)

List of substances subject to authorisation (GB REACH, Annex 14) / SVHC - candidate list

None of the ingredients are listed

Restrictions according to GB REACH, Annex 17

| Dangerous substances with restrictions (GB REACH, Annex 17) | | | |
|---|--|--------|---------------------------|
| Name of substance | Name acc. to inventory | CAS No | Conditions of restriction |
| SUPERCLEAN FLUID | this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC | - | R3 |

Legend

R3

1. Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects,

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Legend

2. Articles not complying with paragraph 1 shall not be placed on the market.
3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:
 - can be used as fuel in decorative oil lamps for supply to the general public, and,
 - present an aspiration hazard and are labelled with R65 or H304,
4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the British Standard Specification on Decorative oil lamps (BS EN 14059) adopted by the British Standards Institute.
5. Without prejudice to the implementation of other legislation relating to the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:
 - (a) lamp oils, labelled with R65 or H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: 'Keep lamps filled with this liquid out of the reach of children'; and, by 1 December 2010 'Just a sip of lamp oil
 - or even sucking the wick of lamps
 - may lead to life-threatening lung damage';
 - (b) grill lighter fluids, labelled with R65 or H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: 'Just a sip of grill lighter may lead to life-threatening lung damage';
 - (c) lamp oils and grill lighters, labelled with R65 or H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.
7. Natural or legal persons placing on the market for the first time lamp oils and grill lighter fluids, labelled with R65 or H304, shall by 1 December 2011, and annually thereafter, provide data on alternatives to lamp oils and grill lighter fluids labelled R65 or H304 to the Agency.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: Other information

Abbreviations and acronyms

| Abbr. | Descriptions of used abbreviations |
|------------|---|
| 2000/39/EC | Commission Directive establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC |
| Acute Tox. | Acute toxicity |
| ADR | Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road) |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| CAS | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances) |
| DGR | Dangerous Goods Regulations (see IATA/DGR) |
| DNEL | Derived No-Effect Level |
| EbC50 | ≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control |
| EC50 | Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval |
| EC No | The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union) |
| ED | Endocrine disruptor |
| EH40/2005 | EH40/2005 Workplace exposure limits (http://www.nationalarchives.gov.uk/doc/open-government-licence/) |
| EINECS | European Inventory of Existing Commercial Chemical Substances |

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| Abbr. | Descriptions of used abbreviations |
|-------------|---|
| ELINCS | European List of Notified Chemical Substances |
| ErC50 | ≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control |
| Eye Dam. | Seriously damaging to the eye |
| Eye Irrit. | Irritant to the eye |
| GB CLP | The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/720 (as amended) |
| GB REACH | The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended) |
| GHS | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations |
| IATA | International Air Transport Association |
| IATA/DGR | Dangerous Goods Regulations (DGR) for the air transport (IATA) |
| IMDG | International Maritime Dangerous Goods Code |
| index No | The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 |
| IOELV | Indicative occupational exposure limit value |
| LC50 | Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval |
| log KOW | n-Octanol/water |
| NLP | No-Longer Polymer |
| NOEC | No Observed Effect Concentration |
| PBT | Persistent, Bioaccumulative and Toxic |
| PNEC | Predicted No-Effect Concentration |
| ppm | Parts per million |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail) |
| Skin Corr. | Corrosive to skin |
| Skin Irrit. | Irritant to skin |
| STEL | Short-term exposure limit |
| TWA | Time-weighted average |
| vPvB | Very Persistent and very Bioaccumulative |
| WEL | Workplace exposure limit |

Key literature references and sources for data

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended).

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/720 (as amended).

GB mandatory classification and labelling.

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR).

Regulations concerning the International Carriage of Dangerous Goods by Rail (RID).

International Maritime Dangerous Goods Code (IMDG).

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Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties.

Health hazards.

Environmental hazards.

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in section 2 and 3)

| Code | Text |
|------|--------------------------------|
| H302 | Harmful if swallowed. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H331 | Toxic if inhaled. |

Responsible for the safety data sheet

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Disclaimer

This information is based upon the present state of our knowledge.

This SDS has been compiled and is solely intended for this product.