

## Safety Data Sheet

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

### POWERCLEAN INVERTIBLE

Version number: 1.0

First version: 2023-04-06

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

##### 1.1 Product identifier

<b>Trade name</b>	<b>POWERCLEAN INVERTIBLE</b> Pressurised gas cleaning spray, flammable, invertible 200 ml spray can
<b>Product number</b>	579719
<b>CAS number</b>	Not relevant (mixture)

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

<b>Relevant identified uses</b>	Pressurised gas cleaning spray
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##### 1.3 Details of the supplier of the safety data sheet

DURABLE Hunke & Jochheim GmbH & Co. KG Westfalenstraße 77 – 79 58636 Iserlohn Germany	Telephone: +49 (0) 2371 662 0 Telefax: +49 (0) 2371 662 221 e-mail: durable@durable.de Website: www.durable.de
<b>e-mail (competent person)</b>	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
2.3	aerosols	1	Aerosol 1	H222,H229

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For full text of abbreviations: see SECTION 16

### 2.2 Label elements

#### Labelling (acc. to GB CLP)

**Signal word** danger

#### Pictograms

**GHS02**



#### Hazard statements

**H222** Extremely flammable aerosol.

**H229** Pressurised container: May burst if heated.

#### 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.

**P211** Do not spray on an open flame or other ignition source.

**P251** Do not pierce or burn, even after use.

**P410+P412** Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

#### Additional labelling according to Directive 75/324/EEC relating to aerosol dispensers

Extremely flammable.

Keep out of reach of children.

Pressurized container: may burst if heated.

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

Do not pierce or burn, even after use.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

#### Symbols:



#### 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 in a concentration of  $\geq 0,1\%$ .

#### Endocrine disrupting properties

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

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### 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
propane	CAS No 74-98-6  EC No 200-827-9  Index No 601-003-00-5	25 – < 50	Flam. Gas 1A / H220 Press. Gas L / H280		U(c)
isobutane	CAS No 75-28-5  EC No 200-857-2  Index No 601-004-00-0	25 – < 50	Flam. Gas 1A / H220 Press. Gas C / H280		C U
butane	CAS No 106-97-8  EC No 203-448-7  Index No 601-004-00-0	25 – < 50	Flam. Gas 1A / H220 Press. Gas L / H280		C U(c)

##### Notes

- C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
- U(c): The allocation to the group 'liquefied gas' is based on the physical state in which the gas is packaged
- U: When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case.

For full text of H-phrases: see SECTION 16

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General notes

Take off immediately all contaminated clothing.  
In all cases of doubt, or when symptoms persist, seek medical advice.

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### Following inhalation

Provide fresh air.

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

### Following skin contact

Gently 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

Remove person to fresh air and keep comfortable for breathing.

### Notes for the doctor

None.

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

Dizziness.

Contact with the product can cause burns and/or frostbite.

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

None.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

water spray, water mist, foam, dry extinguishing powder, carbon dioxide (CO<sub>2</sub>)

#### Unsuitable extinguishing media

water jet

### 5.2 Special hazards arising from the substance or mixture

Contains gas under pressure; may explode if heated.

#### Hazardous combustion products

carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>)

### 5.3 Advice for firefighters

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.

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)

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### 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

In case of formation of gases/vapours/mists suppress with water spray

#### 6.3 Methods and material for containment and cleaning up

##### Other information relating to spills and releases

Ventilate affected area.

#### 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.

Use only in well-ventilated areas.

Prevent from heating up above 50 °C/122 °F.

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

##### Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Vapours are heavier than air, spread along floors and form explosive mixtures with air.

##### Measures to protect the environment

Avoid release to the environment.

##### 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

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### Explosive atmospheres

Prevent from heating up above 50 °C/122 °F.  
Protect from sunlight.

### Flammability hazards

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Do not spray on an open flame or other ignition source.  
Protect from sunlight.

### Incompatible substances or mixtures

Incompatible materials: see section 10.  
Do not pierce or burn, even after use.

### Protect against external exposure, such as

heat

### Consideration of other advice

Keep away from food, drink and animal feeding stuffs.

### Ventilation requirements

Provision of sufficient ventilation.

### Specific designs for storage rooms or vessels

**Storage temperature** maximum storage temperature: 50 °C

### Packaging compatibilities

Only packagings which are approved (e.g. acc. to ADR) may be used.

### 7.3 Specific end use(s)

Pressurised gas cleaning spray.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)									
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m <sup>3</sup> ]	STEL [ppm]	STEL [mg/m <sup>3</sup> ]	Notation	Source
GB	butane	106-97-8	WEL	600	1,450	750	1,810	-	EH40/2005
GB	petroleum gases, liquefied	68476-85-7	WEL	1,000	1,750	1,250	2,180	-	EH40/2005

#### Notation

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)

### 8.2 Exposure controls

#### Appropriate engineering controls

Use local and general ventilation.

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### Individual protection measures (personal protective equipment)

#### Eye/face protection

Wear eye/face protection. (EN 166).

#### Hand protection

Protective gloves		
Material	Material thickness	Breakthrough times of the glove material
NBR: acrylonitrile-butadiene rubber	no information available	no information available

Wear suitable gloves.

Chemical protection gloves are suitable, which are tested according to EN 374.

Check leak-tightness/impermeability prior to use.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

During spraying wear suitable respiratory equipment.

Type: AX (gas filters and combined filters against low-boiling point organic compounds, colour code: Brown). (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

<b>Physical state</b>	gaseous (spray aerosol)
<b>Colour</b>	colourless
<b>Odour</b>	odourless
<b>Odour threshold</b>	1,200 ppm
<b>Melting point/freezing point</b>	-182 °C
<b>Boiling point or initial boiling point and boiling range</b>	-40 – -1 °C
<b>Flammability</b>	flammable aerosol in accordance with GHS criteria
<b>Lower and upper explosion limit</b>	1.5 vol% - 9.5 vol%
<b>Flash point</b>	-70 °C
<b>Auto-ignition temperature</b>	not applicable (aerosol)
<b>Decomposition temperature</b>	not relevant
<b>pH (value)</b>	not determined

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<b>Viscosity</b>	not relevant (aerosol)
<b>Solubility(ies)</b>	
Water solubility	not determined
<b>Partition coefficient n-octanol/water (log value)</b>	not determined
<b>Vapour pressure</b>	1,200 – 7,300 hPa
<b>Density and/or relative density</b>	
Density	0.54 <sup>g</sup> / <sub>ml</sub> at 20 °C
Relative vapour density	>1 at 20 °C (air = 1)
<b>Particle characteristics</b>	not relevant (aerosol)
<b>9.2 Other information</b>	
<b>Information with regard to physical hazard classes</b>	there is no additional information
<b>Other safety characteristics</b>	
Propellant content	100 %
Temperature class (EU, acc. to ATEX)	T2 (maximum permissible surface temperature on the equipment: 300°C)

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

Risk of ignition.

#### 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

In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture.

#### 10.4 Conditions to avoid

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

Do not spray on an open flame or other ignition source.

Contains gas under pressure; may explode if heated.

Protect from sunlight.

#### 10.5 Incompatible materials

There is no additional information.

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### 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.

#### 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.

#### 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

Shall not be classified as presenting an aspiration hazard.

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### 11.2 Information on other hazards

#### Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in 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.

#### Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Exposure time	Value	Species	Method	Source
isobutane	75-28-5	LC50	48 h	7.02 – 69.43 mg/l	aquatic invertebrates	calculated	ECHA
isobutane	75-28-5	LC50	96 h	24.11 – 147.5 mg/l	fish	calculated	ECHA
isobutane	75-28-5	EC50	96 h	7.71 – 16.5 mg/l	algae	calculated	ECHA
butane	106-97-8	LC50	48 h	7.02 – 69.43 mg/l	aquatic invertebrates	Qsar	ECHA
butane	106-97-8	LC50	96 h	24.11 – 147.5 mg/l	fish	Qsar	ECHA
butane	106-97-8	EC50	96 h	7.71 – 16.47 mg/l	algae	Qsar	ECHA

#### Aquatic toxicity (chronic)

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

### 12.2 Persistence and degradability

#### Biodegradation

No data available.

#### Persistence

No data available.

### 12.3 Bioaccumulative potential

Test data are not available for the complete mixture.

#### Bioaccumulative potential of components of the mixture

Name of substance	CAS No	BCF	Log KOW
propane	74-98-6	-	1.09 – 2.8 (pH value: 7, 20 °C)
isobutane	75-28-5	-	2.8
butane	106-97-8	-	1.09 – 2.8 (pH value: 7, 20 °C)

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**12.4 Mobility in soil**

No data available.

**12.5 Results of PBT and vPvB assessment**

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

**12.6 Endocrine disrupting properties**

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

**12.7 Other adverse effects**

Data are not available.

**Remarks**

Wassergefährdungsklasse, WGK (water hazard class): nwg

### 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/packagings**

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**

**ADR/RID** UN1950

**IMDG-Code** UN1950

**ICAO-TI** UN1950

**14.2 UN proper shipping name**

**ADR/RID** AEROSOLS

**IMDG-Code** AEROSOLS

**ICAO-TI** Aerosols, flammable

**14.3 Transport hazard class(es)**

**ADR/RID** 2 (2.1)

**IMDG-Code** 2.1

**ICAO-TI** 2.1

**14.4 Packing group**

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

### 14.8 Information for each of the UN Model Regulations

**Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Regulations concerning the International Carriage of Dangerous Goods by Rail (RID). Additional information**

Particulars in the transport document	UN1950, AEROSOLS, 2.1, (D)
Classification code	5F
Danger label(s)	2.1
	
Special provisions (SP)	190, 327, 344, 625
Excepted quantities (EQ)	E0
Limited quantities (LQ)	1 L
Transport category (TC)	2
Tunnel restriction code (TRC)	D

**International Maritime Dangerous Goods Code (IMDG) Additional information**

Marine pollutant	-
Danger label(s)	2.1
	
Special provisions (SP)	63, 190, 277, 327, 344, 381, 959
Excepted quantities (EQ)	E0
Limited quantities (LQ)	1 L
EmS	F-D, S-U
Stowage category	-

**International Civil Aviation Organization (ICAO-IATA/DGR) Additional information**

Danger label(s)	2.1
	
Special provisions (SP)	A145, A167
Excepted quantities (EQ)	E0
Limited quantities (LQ)	30 kg

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### 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

2012/18/EU (Seveso III)			
No	Dangerous substance/hazard categories	Qualifying quantity (tonnes) for the application of lower and upper-tier requirements	Notes
P3a	flammable aerosols (containing Flam. Gas or Flam. Liq., cat. 1)	150                      500	46)

##### Notation

46) 'flammable' aerosols category 1 or 2, containing flammable gases category 1 or 2 or flammable liquids category 1  
 Note: qualifying quantity = net

##### 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
isobutane	carcinogenic	-	R28-30
isobutane	germ cell mutagenic (mutagenic)	-	R28-30
isobutane	flammable / pyrophoric	-	R40
propane	flammable / pyrophoric	-	R40

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Dangerous substances with restrictions (GB REACH, Annex 17)			
Name of substance	Name acc. to inventory	CAS No	Conditions of restriction
butane	flammable / pyrophoric	-	R40

### Legend

R28-30

Without prejudice to the other parts of this Annex the following shall apply to entries 28 to 30:

1. Shall not be placed on the market, or used,
  - as substances,
  - as constituents of other substances, or,
  - in mixtures,

For supply to the general public when the individual concentration in the substance or mixture is equal to or greater than:

- either the relevant specific concentration limit specified in the GB mandatory classification and labelling list, or, the relevant generic concentration limit specified in the GB mandatory classification and labelling list.

Without prejudice to the implementation of other legislation relating to the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of such substances and mixtures is marked visibly, legibly and indelibly as follows:

‘Restricted to professional users’.

2. By way of derogation, paragraph 1 shall not apply to:

- (a) medicinal or veterinary products as defined by the Veterinary Regulations 2013 and the Human Medicines Regulations 2012;
- (b) cosmetic products as defined by Regulation 1223/2009;
- (c) the following fuels and oil products:
  - motor fuels which are covered by the Motor Fuel (Composition and Content) Regulations 1999,
  - mineral oil products intended for use as fuel in mobile or fixed combustion plants,
  - fuels sold in closed systems (e.g. liquid gas bottles);
- (d) artists’ paints covered by Regulation (EC) No 1272/2008;
- (e) the substances listed in Appendix 11, column 1, for the applications or uses listed in Appendix 11, column 2. Where a date is specified in column 2 of Appendix 11, the derogation shall apply until the said date.

R40

1. Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following:

- metallic glitter intended mainly for decoration,
- artificial snow and frost,
- ‘whoopee’ cushions,
- silly string aerosols,
- imitation excrement,
- horns for parties,
- decorative flakes and foams,
- artificial cobwebs,
- stink bombs.

2. Without prejudice to the application of other legislation on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with:

‘For professional users only’.

3. By way of derogation, paragraphs 1 and 2 shall not apply to the aerosol dispensers referred to Article 8 (1a) of Council Directive 75/324/EEC (\*\*\*).

4. The aerosol dispensers referred to in paragraphs 1 and 2 shall not be placed on the market unless they conform to the requirements indicated.

(\*\*\*) OJ L 147, 9.6.1975, p. 40.

## 15.2 Chemical Safety Assessment

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

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### SECTION 16: Other information

#### Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
BCF	Bioconcentration factor
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
DGR	Dangerous Goods Regulations (see IATA/DGR)
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)
EH40/2005	EH40/2005 Workplace exposure limits ( <a href="http://www.nationalarchives.gov.uk/doc/open-government-licence/">http://www.nationalarchives.gov.uk/doc/open-government-licence/</a> )
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
Flam. Gas	Flammable gas
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)
ICAO	International Civil Aviation Organization
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	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
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
PBT	Persistent, Bioaccumulative and Toxic
ppm	Parts per million
Press. Gas	Gas under pressure
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)

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Abbr.	Descriptions of used abbreviations
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).

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
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.

### 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.