

SAFETY DATA SHEET

RAWPLUG®

according to Commission Regulation (EU) 2020/878 as amended

KOELNER PU FOAM AND GUN CLEANER RPC-0300-K

Creation date	07th October 2007	Version	2.2
Revision date	19th August 2024		

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

1.1. Product identifier
Substance / mixture KOELNER PU FOAM AND GUN CLEANER RPC-0300-K
mixture
UFI 6F00-G05Q-500E-4UUD

1.2. Relevant identified uses of the substance or mixture and uses advised against
Mixture's intended use

Aerosol for cleaning freshly soiled surfaces with polyurethane systems, cleaning application guns, valves on containers with assembly and sealing foam. Perfect for degreasing surfaces before using polyurethanes and silicones.

Main intended use

PC-UNC Chemical products - uncategorised

The use descriptors

PW Widespread use by professional workers

C Consumer use

Mixture uses advised against

The product should not be used in ways other than those referred in Section 1.

1.3. Details of the supplier of the safety data sheet

Supplier

Name or trade name	Rawlplug S.A.
Address	Kwidzyńska 6 , Wrocław , 51-416 Poland
Phone	+48 (71) 32 60 100, 0 801 000 103
E-mail	info@rawlplug.com
Web address	www.rawlplug.com

Competent person responsible for the safety data sheet

Name	Rytm-L Sp. z o.o.
E-mail	chb_karty@rytm-l.pl

1.4. Emergency telephone number

European emergency number: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Aerosol 1, H229, H222

Eye Irrit. 2, H319

STOT SE 3, H336

Most serious adverse physico-chemical effects

Extremely flammable aerosol. Pressurised container: May burst if heated.

2.2. Label elements

Hazard pictogram



Signal word

Danger

Hazardous substances

acetone

Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

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Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
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.
P260 Do not breathe mist/vapours/spray.
P280 Wear protective gloves/eye 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.
P403 Store in a well-ventilated place.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
P501 Dispose of contents/container to according to applicable regulations.

Supplemental information

EUH066 Repeated exposure may cause skin dryness or cracking.
15-<30 % aliphatic hydrocarbons

2.3. Other hazards

not available

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 606-001-00-8 CAS: 67-64-1 EC: 200-662-2 Registration number: 01-2119471330-49-xxxx	acetone	≤75	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066	3
Index: 601-003-00-5 CAS: 74-98-6 EC: 200-827-9 Registration number: 01-2119486944-21-xxxx	propane	<10	Flam. Gas 1, H220 Press. Gas (compressed gas), H280	2
Index: 601-004-00-0 CAS: 106-97-8 EC: 203-448-7 Registration number: 01-2119474691-32-xxxx	butane	<10	Flam. Gas 1, H220 Press. Gas (compressed gas), H280	1, 2
Index: 601-004-00-0 CAS: 75-28-5 EC: 200-857-2 Registration number: 01-2119485395-27-xxxx	isobutane	≤10	Flam. Gas 1, H220 Press. Gas (compressed gas), H280	1, 2

Notes

- Note 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.

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- 2 Note U (Table 3): 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. The following codes are assigned:

Press. Gas (Comp.)
Press. Gas (Liq.)
Press. Gas (Ref. Liq.)
Press. Gas (Diss.)

Aerosols shall not be classified as gases under pressure (See Annex I, Part 2, Section 2.3.2.1, Note 2).

- 3 A substance for which exposure limits are set.

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes. Provide medical treatment, specialized if possible.

If swallowed

DO NOT INDUCE VOMITING - even the induced vomiting can cause complications as in case of detergents and other foaming substances.

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

If inhaled

May cause drowsiness or dizziness.

If on skin

Repeated exposure may cause skin dryness or cracking. Irritation, itching, redness.

If in eyes

Causes serious eye irritation.

If swallowed

Irritation, nausea.

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

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Closed containers with the product near the fire should be cooled with water. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide sufficient ventilation. Extremely flammable aerosol. Pressurised container: May burst if heated. Remove all ignition sources. Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale aerosols. Prevent contact with skin and eyes.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent formation of gases and vapours in flammable or explosive concentrations and concentrations exceeding the occupational exposure limits. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. Use non-sparking tools. Use of antistatic clothes and footwear is recommended. Do not inhale aerosols. Prevent contact with skin and eyes. No smoking. Protect against direct sunlight. Do not pierce or burn, even after use. Wash hands and exposed parts of the body thoroughly after handling. Use only outdoors or in a well-ventilated area. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Store locked up. Protect from sunlight. Keep container tightly closed. Do not expose to temperatures exceeding 50 °C.

Storage class 2B - Aerosols

Storage temperature 25 °C

The specific requirements or rules relating to the substance/mixture

Do not spray on an open flame or other ignition source. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

European Union

Commission Directive 2000/39/EC

Substance name (component)	Type	Value
acetone (CAS: 67-64-1)	OEL 8 hours	1210 mg/m ³
	OEL 8 hours	500 ppm

DNEL

acetone					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers (0)	Inhalation	2420 mg/m ³	Acute effects local		
Workers (0)	Dermal	186 mg/kg bw/day	Chronic effects systemic		
Workers (0)	Inhalation	1210 mg/m ³	Chronic effects systemic		

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acetone					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Consumers (0)	Dermal	62 mg/kg bw/day	Chronic effects systemic		
Consumers (0)	Inhalation	200 mg/m ³	Chronic effects systemic		
Consumers (0)	Oral	62 mg/kg bw/day	Chronic effects systemic		

PNEC

acetone			
Route of exposure	Value	Value determination	Source
Drinking water	10.6 mg/l		
Marine water	1.06 mg/l		
Freshwater sediment	30.4 mg/kg of dry substance of sediment		
Sea sediments	30.4 mg/kg of dry substance of sediment		
Soil (agricultural)	29.5 mg/kg of dry substance of soil		
Microorganisms in sewage treatment	100 mg/l		

8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. If exposure limits cannot be observed in this mode, suitable protection of airways must be used. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

Protective goggles.

Skin protection

Hand protection: Protective gloves resistant to the product. Contaminated skin should be washed thoroughly.

Respiratory protection

Halfmask with a filter against organic vapours or a self-contained breathing apparatus as appropriate if exposure limit values of substances are exceeded or in a poorly ventilated environment.

Thermal hazard

Data not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

More information

Use a mask with filter when the exposition limits of the substances are exceeded or at the place with insufficient ventilation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	colourless
Odour	characteristic
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	data not available
Flammability	inflammable
Lower and upper explosion limit	data not available

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Flash point data not available
Auto-ignition temperature data not available
Decomposition temperature data not available
pH data not available
Kinematic viscosity data not available
Solubility in water partially soluble
Partition coefficient n-octanol/water (log value) data not available
Vapour pressure data not available
Density and/or relative density
Density 0.82-0.83 g/cm³
Relative vapour density data not available
Particle characteristics data not available
Form aerosol dispenser: spray aerosol, spray
Preparation in the form of an aerosol. The classification was made on the basis of the ingredient MSDS.
Determination of the parameters of the preparation in this form was not performed due to the form of the preparation.

9.2. Other information

not available

SECTION 10: Stability and reactivity

10.1. Reactivity

The mixture is extremely flammable.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost. Pressurised container: May burst if heated.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time. No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

acetone					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD50	5800 mg/kg		Rat (Rattus norvegicus)	
Inhalation	LC50	76 mg/l	4 hours	Rat (Rattus norvegicus)	
Dermal	LD50	7400 mg/kg		Guinea-pig (Cavia aperea f. porcellus)	
Dermal	LD50	7400 mg/kg		Rabbit	

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butane					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Inhalation	LC50	658 mg/l	4 hours	Rat	

Skin corrosion/irritation

Based on available data the classification criteria are not met.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

Germ cell mutagenicity

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

Reproductive toxicity

Based on available data the classification criteria are not met.

Toxicity for specific target organ - single exposure

May cause drowsiness or dizziness.

Toxicity for specific target organ - 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

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 12: Ecological information

12.1. Toxicity

Data not available.

Acute toxicity

acetone				
Parameter	Value	Exposure time	Species	Environment
LC50	8800 mg/l	48 hours	Aquatic invertebrates (Daphnia pulex)	Fresh water
LC50	2100 mg/l	24 hours	Aquatic invertebrates (Artemia salina)	Salt water
LOEC	530 mg/l	8 days	Algae (Microcystis aeruginosa)	Fresh water
NOEC	430 mg/l	96 hours	Algae (Prorocentrum minimum)	Salt water
LC50	5540 mg/l	96 hours	Fish (Oncorhynchus mykiss)	Fresh water
LC50	11000 mg/l	96 hours	Fish (Alburnus alburnus)	Salt water

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acetone				
Parameter	Value	Exposure time	Species	Environment
LC50	0.1-1 mg/cm ²	48 hours	Invertebrates (Lumbricus terrestris)	

Chronic toxicity

acetone				
Parameter	Value	Exposure time	Species	Environment
NOEC	2212 mg/l	28 hours	Invertebrates (Daphnia magna)	

More information

Data not available.

12.2. Persistence and degradability

The mixture is biodegradable.

Biodegradability

KOELNER PU FOAM AND GUN CLEANER RPC-0300-K					
Parameter	Method	Value	Exposure time	Environment	Result
					Easily biodegradable

acetone					
Parameter	Method	Value	Exposure time	Environment	Result
	OECD 301B	87.8-92.2 %	28 days		Easily biodegradable
					Hydrolytically stable

12.3. Bioaccumulative potential

Data not available.

acetone						
Parameter	Value	Exposure time	Species	Environment	Temperature [°C]	Value determination
BCF	3					Calculation of value

12.4. Mobility in soil

Data not available.

acetone			
Parameter	Value	Environment	Temperature
	1500 ml/kg		20°C

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. Other adverse effects

Data not available.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Waste type code

07 01 04* other organic solvents, washing liquids and mother liquors
16 05 04* gases in pressure containers (including halons) containing hazardous substances

Packaging waste type code

15 01 03 wooden packaging
15 01 10* packaging containing residues of or contaminated by hazardous substances
(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

SECTION 14: Transport information

14.1. UN number or ID number

UN 1950

14.2. UN proper shipping name

AEROSOLS

14.3. Transport hazard class(es)

2 Gases

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant

Additional information

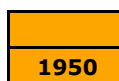
Disable LQ.

Hazard identification No.

UN number

Classification code

Safety signs



5F

2.1



Tunnel restriction code

(D)

Air transport - ICAO/IATA

Packaging instructions passenger 203

Cargo packaging instructions 203

Marine transport - IMDG

EmS (emergency plan) F-D, S-U

MFAG 620

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SECTION 15: Regulatory information

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

1. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended.
2. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
3. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006, as amended.
4. Annex XVII. Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles - Regulation (EC) No 1907/2006
- propane, butane, isobutane - item 40
5. SEVESO III: Directive 2012/18/EU of the European Parliament and of the Council of 4 July 2012 on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing Council Directive 96/82/EC
- propane, butane, isobutane - P2 flammable gases
6. Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents
7. Regulation (EU) 2019/1148 of 20 June 2019 on the placing on the market and use of explosives precursors, amending Regulation (EC) No 1907/2006 and repealing Regulation (EU) No 98/2013
The product contains explosives precursors - acetone (Annex II). Significant cases of disappearance and theft should be reported to the appropriate national contact point (Police) within 24 hours of their recognition or detection.
8. Regulation (EC) No 273/2004 of the European Parliament and of the Council of 11 February 2004 on drug precursors
The product contains drug precursors - acetone (category 3)
9. Annex XIV. List of substances subject to authorisation - Regulation (EC) No 1907/2006 - not applicable.
10. Candidate list of substances of very high concern (SVHC) for authorisation (Article 59) - not applicable.
11. Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer - not applicable.
12. Directive (EU) 2018/851 of the European Parliament and of the Council of 30 May 2018 amending Directive 2008/98/EC on waste.
13. Directive (EU) 2018/852 of the European Parliament and of the Council of 30 May 2018 amending Directive 94/62/EC on packaging and packaging waste.
14. Decision 2000/532/EC establishing a list of wastes, as amended.

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Guidelines for safe handling used in the safety data sheet

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
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.
P260	Do not breathe mist/vapours/spray.
P280	Wear protective gloves/eye protection.

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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403 Store in a well-ventilated place.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
P501 Dispose of contents/container to according to applicable regulations.

A list of additional standard phrases used in the safety data sheet

EUH066 Repeated exposure may cause skin dryness or cracking.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC50	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD50	Lethal dose of a substance in which it can be expected death of 50% of the population
log Kow	Octanol-water partition coefficient
NOEC	No observed effect concentration
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
ppm	Parts per million
Press. Gas (Comp.)	Gas under pressure: compressed gas
Press. Gas (Diss.)	Gas under pressure: dissolved gas
Press. Gas (Liq.)	Gas under pressure: liquefied gas
Press. Gas (Ref. Liq.)	Gas under pressure: refrigerated liquefied gas
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative
Aerosol	Aerosol
Eye Irrit.	Eye irritation
Flam. Gas	Flammable gas
Flam. Liq.	Flammable liquid

