

# Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))

## B104BSPRAY - B104BSPRAY

Master item code: B104B SPRAY

Safety Data Sheet date: 15/12/2023, version 1

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

#### 1.1. Product identifier

Trade name: B104BSPRAY  
SDS code: B104BSPRAY  
UFI: YOCC-GOJC-R00G-8RDU

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

Recommended use:

Magnetic testing

#### 1.3. Details of the supplier of the safety data sheet

##### Manufacturers:

BABBCO  
15, rue des Frères Lumière Z.I. des EBISOIRES 78370 PLAISIR (France)  
Tel: +33 (0)1.30.80.81.82  
www.babbco.fr

##### Distributors:

BabbCo-Socomore NDT Division  
BABBCO  
SHERWIN-BABBCO  
Tel: +33 (0)1.30.80.81.82  
www.babbco.fr

##### Competent person responsible for the safety data sheet:

e-mail: regulatoryservice@babbco.fr

#### 1.4. Emergency telephone number

France : ORFILA (INRS) +33 (0)1 45 42 59 59  
International : CHEMTEL +1-813-248-0585.

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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### EC regulation criteria 1272/2008 (CLP)



Danger, Aerosols 1, Extremely flammable aerosol. Pressurized container: may burst if heated.



Warning, Eye Irrit. 2, Causes serious eye irritation.



Warning, STOT SE 3, May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

Adverse physicochemical, human health and environmental effects:

No other hazards

#### 2.2. Label elements

Hazard pictograms:

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Danger

Hazard statements:

H222, H229 Extremely flammable aerosol. Pressurized container: may burst if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Precautionary statements:

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.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

Special Provisions:

EUH066 Repeated exposure may cause skin dryness or cracking.

Contains

ethyl acetate

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

### 2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

N.A.

### 3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
$\geq 40\%$ - $< 50\%$	ethyl acetate	Index number: CAS: EC: REACH No.: 01-2119475103-46	 2.6/2 Flam. Liq. 2 H225  3.3/2 Eye Irrit. 2 H319  3.8/3 STOT SE 3 H336 EUH066
$\geq 30\%$ - $< 40\%$	dimethyl ether	Index number: CAS: EC: 204-065-8	 2.2/1A Flam. Gas 1A H220  2.5 Press. Gas H280

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

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Remove contaminated clothing immediately and dispose of safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting. Obtain a medical examination.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

No particular treatment.

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**SECTION 5: Firefighting measures****5.1. Extinguishing media**

Suitable extinguishing media:

Foam.

Multipurpose powders class ABC

Water haze

Extinguishing media which must not be used for safety reasons:

Spray water

**5.2. Special hazards arising from the substance or mixture**

Carbon monoxide and carbon dioxide

**5.3. Advice for firefighters**

Use Self-Contained Breathing Apparatus (SCBA) with chemical protection suit.

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**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.

**6.2. Environmental precautions**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

**6.3. Methods and material for containment and cleaning up**

For containment:

Ensure adequate ventilation

For cleaning up:

Ensure adequate ventilation

**6.4. Reference to other sections**

See also section 8 and 13

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**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, ensure that there aren't any incompatible material residuals in the containers.

See also section 8 for recommended protective equipment.

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Advice on general occupational hygiene:

Wash hands after use

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

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

Store at ambient temperature. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

Store at ambient temperatures. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

**7.3. Specific end use(s)**

None in particular

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**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**Occupational exposure limit values

ethyl acetate - CAS: 141-78-6

- OEL Type: ACGIH - TWA(8h): 400 ppm - Notes: URT and eye irr

- OEL Type: EU - TWA(8h): 734 mg/m<sup>3</sup>, 200 ppm - STEL: 1468 mg/m<sup>3</sup>, 400 ppm

- OEL Type: National - TWA(8h): 550 mg/m<sup>3</sup>, 150 ppm - STEL: 1100 mg/m<sup>3</sup>, 300 ppm

- Notes: Netherlands

- OEL Type: National - TWA(8h): 1461 mg/m<sup>3</sup>, 400 ppm - Notes: Belgium

- OEL Type: National - TWA(8h): 1500 mg/m<sup>3</sup>, 400 ppm - Notes: Germany

- OEL Type: National - TWA(8h): 1400 mg/m<sup>3</sup>, 400 ppm - Notes: France

- OEL Type: National - TWA(8h): 200 ppm - STEL: 400 ppm - Notes: UK

dimethyl ether - CAS: 115-10-6

- OEL Type: EU - TWA(8h): 1920 mg/m<sup>3</sup>, 1000 ppm

- OEL Type: MAK - TWA(8h): 1920 mg/m<sup>3</sup>, 1000 ppm - Notes: France INRS VLEI

DNEL Exposure Limit Values

ethyl acetate - CAS: 141-78-6

Worker Professional: 1468 mg/m<sup>3</sup> - Consumer: 734 mg/m<sup>3</sup> - Exposure: Human

Inhalation - Frequency: Short Term, systemic effects

Worker Professional: 1468 mg/m<sup>3</sup> - Consumer: 734 mg/m<sup>3</sup> - Exposure: Human

Inhalation - Frequency: Short Term, local effects

Worker Professional: 63 mg/kg b.w./day - Consumer: 37 mg/kg b.w./day - Exposure:

Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 734 mg/m<sup>3</sup> - Consumer: 367 mg/m<sup>3</sup> - Exposure: Human

Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 734 mg/m<sup>3</sup> - Consumer: 4.5 mg/kg b.w./day - Exposure: Human

Oral - Frequency: Long Term, local effects

PNEC Exposure Limit Values

ethyl acetate - CAS: 141-78-6

Target: Fresh Water - Value: 0.26 mg/l

Target: Marine water - Value: 0.026 mg/l

Target: Freshwater sediments - Value: 1.25 mg/kg

Target: Marine water sediments - Value: 0.125 mg/kg

Target: Soil (agricultural) - Value: 0.24 mg/kg

Target: Microorganisms in sewage treatments - Value: 650 mg/l

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Biological Exposure Index  
N.A.

### 8.2. Exposure controls

See below, example of PPE to use.

Eye protection:

Eye glasses with side protection.

Protection for skin:

Chemical protection clothing.

Protection for hands:

NR (natural rubber, natural latex).

Respiratory protection:

Mask with filter "A" , brown colour

Mask with filter "P" , white colour

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

Other conditions affecting workers exposure:

None

## SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	White	--	--
Odour:	N.A.	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	-24°C	--	--
Flammability:	N.A.	--	--
Lower and upper explosion limit:	Lower: 2.1 Vol% Upper: 18.6 Vol%	--	--
Flash point (°C):	>-18°C	ASTM D93	--
Auto-ignition temperature:	235°C	--	--
Decomposition temperature:	N.A.	--	--
pH:	N.A.	--	--
Kinematic viscosity:	N.A.	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	5 hPa	--	--
Density and/or relative density:	0.817 g/cm <sup>3</sup>	ISO 649, ASTM D1298	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

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#### 9.2. Other information

No other relevant information

Volatile Organic compounds - VOCs = 76.85 %

N.A. = not available

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions

### 10.2. Chemical stability

Stable under normal conditions

### 10.3. Possibility of hazardous reactions

None

### 10.4. Conditions to avoid

Stable under normal conditions.

### 10.5. Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

### 10.6. Hazardous decomposition products

None.

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## SECTION 11: Toxicological information

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

Toxicological information of the product:

B104BSPRAY

Acute toxicity

Not classified

Based on available data, the classification criteria are not met

Skin corrosion/irritation

Not classified

Based on available data, the classification criteria are not met

Serious eye damage/irritation

The product is classified: Eye Irrit. 2 H319

Respiratory or skin sensitisation

Not classified

Based on available data, the classification criteria are not met

Germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

Carcinogenicity

Not classified

Based on available data, the classification criteria are not met

Reproductive toxicity

Not classified

Based on available data, the classification criteria are not met

STOT-single exposure

The product is classified: STOT SE 3 H336

STOT-repeated exposure

Not classified

Based on available data, the classification criteria are not met

Aspiration hazard

Not classified

Based on available data, the classification criteria are not met

Adverse health effects

Skin and Eye contact:

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It can cause irritation if comes in contact with skin and/or eyes.

Toxicological information of the main substances found in the product:

ethyl acetate - CAS: 141-78-6

Acute toxicity:

Test: LD50 - Route: Oral - Species: Mouse = 4100 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 20000 mg/kg bw/day

Test: LC50 - Route: Inhalation - Species: Rat > 22.5 mg/l - Notes: 6h

Reproductive toxicity:

Test: NOAEC - Species: Rat = 73300 mg/m<sup>3</sup> - Duration: 1-19 days - Source: OECD 414 - Notes: Histopathologic modification

**11.2. Information on other hazards**

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration  $\geq$  0.1%

Other toxicological information:

ethyl acetate

NOAEC, equivalent to OECD 424,750 ppm, 99-100 days, rat, effect: neurotoxic effects

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**SECTION 12: Ecological information****12.1. Toxicity**

Adopt good working practices, so that the product is not released into the environment.

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Not classified for environmental hazards

Based on available data, the classification criteria are not met

ethyl acetate - CAS: 141-78-6

a) Aquatic acute toxicity:

Endpoint: NOEC - Species: Algae > 1000 mg/l - Duration h: 48 - Notes: Scenedesmus pannonicus

Endpoint: EC50 - Species: Daphnia = 165 mg/l - Duration h: 48

Endpoint: LC50 = 180 mg/l - Duration h: 48 - Notes: Xenopus laevis

Endpoint: LC50 - Species: Fish = 230 mg/l - Duration h: 96 - Notes: Pimephales promelas

Endpoint: LC50 - Species: Algae = 5600 mg/l - Duration h: 48 - Notes: Desmodesmus subspicatus

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish < 9.65 mg/l - Duration h: 96 - Notes: Pimephales promelas

Endpoint: NOEC - Species: Daphnia = 2.4 mg/l - Duration h: 504

**12.2. Persistence and degradability**

ethyl acetate - CAS: 141-78-6

Biodegradability: Biodegradability rate - Duration: 20 days - %: 69

**12.3. Bioaccumulative potential**

ethyl acetate - CAS: 141-78-6

BCF - Test: BCF - Bioconcentration factor 30 - Duration: 3 days - Notes: Leuciscus Idus

Log Pow 0.68 - Notes: 25°C

**12.4. Mobility in soil**

ethyl acetate - CAS: 141-78-6

Log K<sub>oc</sub> 8.6%

**12.5. Results of PBT and vPvB assessment**

vPvB Substances: None - PBT Substances: None

**12.6. Endocrine disrupting properties**

No endocrine disruptor substances present in concentration  $\geq$  0.1%

**12.7. Other adverse effects**

No harmful effects expected.

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force. Codes of wastes (Décision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste):

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

Additional disposal information:

Disposal should be in accordance with applicable regional, national and local laws and regulations. Please consult Technical Data Sheet for details.

### SECTION 14: Transport information



#### 14.1. UN number or ID number

ADR-UN Number: 1950  
IATA-UN Number: 1950  
IMDG-UN Number: 1950

#### 14.2. UN proper shipping name

ADR-Shipping Name: AEROSOLS, flammable  
IMDG-Shipping Name: AEROSOLS, flammable

#### 14.3. Transport hazard class(es)

ADR-Class: 2  
ADR - Hazard identification number: -  
IATA-Class: 2.1  
IMDG-Class: 2.1  
IMDG-Class: 2

#### 14.4. Packing group

ADR-Packing Group: -  
IATA-Packing group: -  
IMDG-Packing group: -

#### 14.5. Environmental hazards

ADR-Environmental Pollutant: No  
IMDG-Marine pollutant: No  
IMDG-EmS: F-D , S-U

#### 14.6. Special precautions for user

ADR-Subsidiary hazards: See SP63  
ADR-S.P.: 190 327 344 625  
ADR-Transport category (Tunnel restriction code): 2 (D)  
IATA-Passenger Aircraft: 203  
IATA-Subsidiary hazards: See SP63  
IATA-Cargo Aircraft: 203  
IATA-S.P.: A145 A167 A802  
IATA-ERG: 10L  
IMDG-Subsidiary hazards: See SP63  
IMDG-Stowage and handling: SW1 SW22  
IMDG-Segregation: SG69  
Q.L.: 1L  
Q.E.: E0

#### 14.7. Maritime transport in bulk according to IMO instruments

N.A.

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#### SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)  
Dir. 2000/39/EC (Occupational exposure limit values)  
Regulation (EC) n. 1907/2006 (REACH)  
Regulation (EC) n. 1272/2008 (CLP)  
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013  
Regulation (EU) n. 286/2011 (ATP 2 CLP)  
Regulation (EU) n. 618/2012 (ATP 3 CLP)  
Regulation (EU) n. 487/2013 (ATP 4 CLP)  
Regulation (EU) n. 944/2013 (ATP 5 CLP)  
Regulation (EU) n. 605/2014 (ATP 6 CLP)  
Regulation (EU) n. 2015/1221 (ATP 7 CLP)  
Regulation (EU) n. 2016/918 (ATP 8 CLP)  
Regulation (EU) n. 2016/1179 (ATP 9 CLP)  
Regulation (EU) n. 2017/776 (ATP 10 CLP)  
Regulation (EU) n. 2018/669 (ATP 11 CLP)  
Regulation (EU) n. 2018/1480 (ATP 13 CLP)  
Regulation (EU) n. 2019/521 (ATP 12 CLP)  
Regulation (EU) n. 2020/217 (ATP 14 CLP)  
Regulation (EU) n. 2020/1182 (ATP 15 CLP)  
Regulation (EU) n. 2021/643 (ATP 16 CLP)  
Regulation (EU) n. 2021/849 (ATP 17 CLP)  
Regulation (EU) n. 2022/692 (ATP 18 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restriction 40

Restrictions related to the substances contained:

Restriction 75

Listed or in compliance with the following international inventories:

Labelling of detergents (EC Regulations 648/2004 and 907/2006):

N.A.

Labelling of biocides (Regulations 1896/2000, 1687/2002, 2032/2003, 1048/2005, 1849/2006, 1451/2007 and Directive 98/8/EC):

N.A.

N.A.

Where applicable, refer to the following regulatory provisions :

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.

1999/13/EC (VOC directive)

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

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Seveso III category according to Annex 1, part 1  
Product belongs to category: P3a

### 15.2. Chemical safety assessment

No

### SECTION 16: Other information

N.A.: Not Applicable or Not Available

Full text of phrases referred to in Section 3:

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

Hazard class and hazard category	Code	Description
Flam. Gas 1A	2.2/1A	Flammable gas, Category 1A
Aerosols 1	2.3/1	Aerosol, Category 1
Press. Gas	2.5	Gases under pressure
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Aerosols 1, H222, H229	On basis of test data
Eye Irrit. 2, H319	Calculation method
STOT SE 3, H336	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

CCNL - Appendix 1

Insert further consulted bibliography

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SOCOMORE strongly advises every recipient of this safety data sheet to read it carefully and to consult experts in the field if necessary or appropriate, in order to understand the information it

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contains, notably the possible dangers associated with this product. The users must ensure the conformity and completeness of this information with regards to their specific use of the product. The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the responsibility of the purchaser/user to ensure that their activities conform with current legislation in force.

The information is considered correct, but it is not exhaustive and it shall be used only as a guide which is based on the current knowledge of the substance or mixture and it is applicable to the safety precautions appropriate for the product.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
STOT SE:	May cause drowsiness or dizziness
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.