



Safety Data Sheet

HEPI 5DROPS BLEACH & PINE 1x55g

Safety Data Sheet dated 22/11/2018, version 1
Conforms to Regulation (EC) No. 830/2015

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

1.1. Product identifier

Trade name: HEPI 5DROPS BLEACH & PINE 1x55g
Trade code: 6007

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

Recommended use:
Household WC detergent

1.3. Details of the supplier of the safety data sheet

Company:
RE.LE.VI. S.p.A. - Via Postumia n.1- 46040 RODIGO Mantova - Italia
Phone +39.0376.684011 - FAX +39.0376.658076
www.relevi.it - info@relevi.it

Competent person responsible for the safety data sheet:
sds@relevi.it

1.4. Emergency telephone number

Company +39 0376 780632 (24/24h - 7/7d - Italian/English)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

- ⚠ Warning, Skin Irrit. 2, Causes skin irritation.
- ⚠ Danger, Eye Dam. 1, Causes serious eye damage.
- Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:
No other hazards

2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P302+P352 IF ON SKIN: Wash with plenty of water and soap.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P501 Dispose of contents/container in accordance with local regulations.

Special Provisions:

EUH206 Warning! Do not use together with other products. May release dangerous gases (chlorine).



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Contains
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts
Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts

Composition - Reg (EC) n ° 648/2004

Contains:
anionic surfactants

30 % and
more
less than 5 %

chlorine-based bleaching agents

The product also contains:

Perfumes

Allergens:

COUMARIN

Preservatives:

BENZISOTHIAZOLINONE

Special provisions according to Annex XVII of REACH and subsequent amendments:
None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

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
>= 30% - < 40%	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	CAS:	68411-30-3	⚠ 3.1/4/Oral Acute Tox. 4 H302 ⚠ 4.1/C3 Aquatic Chronic 3 H412 ⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.3/1 Eye Dam. 1 H318
		EC:	270-115-0	
		REACH No.:	01-2119489428-22	
>= 7.5% - < 10%	Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts	CAS:	68439-57-6	⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.3/1 Eye Dam. 1 H318
		EC:	931-534-0	
		REACH No.:	01-2119513401-57	
>= 1% - < 2.5%	troclosene sodium, dihydrate	CAS:	51580-86-0	⚠ 2.1/4/2 Ox. Sol. 2 H272 ⚠ 3.3/2 Eye Irrit. 2 H319 ⚠ 3.8/3 STOT SE 3 H335 ⚠ 4.1/A1 Aquatic Acute 1 H400 ⚠ 4.1/C1 Aquatic Chronic 1 H410 ⚠ 3.1/4/Oral Acute Tox. 4 H302 EUH031
		EC:	220-767-7	
		REACH No.:	01-2119489371-33	
< 0.1%	Benzisothiazolinone	Index number:	613-088-00-6	⚠ 3.1/4/Oral Acute Tox. 4 H302 ⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.4.2/1 Skin Sens. 1 H317 ⚠ 3.3/1 Eye Dam. 1 H318 ⚠ 4.1/A1 Aquatic Acute 1 H400
		CAS:	2634-33-5	
		EC:	220-120-9	



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SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Remove contaminated clothing immediately and dispose off 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 under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

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:

None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

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.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up



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Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

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, assure that there aren't any incompatible material residuals in the containers.
Contaminated clothing should be changed before entering eating areas.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

None in particular
Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Adequately ventilated premises.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No occupational exposure limit available

DNEL Exposure Limit Values

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts - CAS: 68411-30-3
Worker Professional: 170 mg/kg - Consumer: 85 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 12 mg/m³ - Consumer: 3 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 0.85 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts - CAS: 68439-57-6

Worker Professional: 2158.33 mg/kg - Consumer: 1295 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 152.22 mg/m³ - Consumer: 45.04 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 12.95 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

troclosene sodium, dihydrate - CAS: 51580-86-0

Worker Professional: 8.11 mg/m³ - Consumer: 1.99 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 2.3 mg/kg - Consumer: 1.15 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 1.15 mg/kg - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts - CAS: 68411-30-3

Target: Fresh Water - Value: 0.268 mg/l
Target: Marine water - Value: 0.0268 mg/l
Target: wastewater treatment plant - Value: 3.43 mg/l

Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts - CAS: 68439-57-6

Target: Fresh Water - Value: 0.024 mg/l
Target: Marine water - Value: 0.0024 mg/l
Target: Freshwater sediments - Value: 0.767 mg/kg



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Target: Marine water sediments - Value: 0.0767 mg/kg
Target: Microorganisms in sewage treatments - Value: 4 mg/l
troclosene sodium, dihydrate - CAS: 51580-86-0
Target: Marine water - Value: 1.52 mg/l
Target: Fresh Water - Value: 0.00017 mg/l
Target: Soil (agricultural) - Value: 0.756 mg/kg
Target: Freshwater sediments - Value: 7.56 mg/kg
Target: wastewater treatment plant - Value: 0.59 mg/l

8.2. Exposure controls

Eye protection:
Use close fitting safety goggles, don't use eye lens.

Protection for skin:
Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:
Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:
Not needed for normal use.

Thermal Hazards:
None

Environmental exposure controls:
None
Appropriate engineering controls:
None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance:	Solid	--	--
Colour:	White - Green	--	--
Odour:	Bleach - Pine	--	--
Odour threshold:	Not available	--	--
pH (sol. 1%):	6.5± 1.5	--	--
Melting point / freezing point:	Not available	--	--
Initial boiling point and boiling range:	Not available	--	--
Flash point:	Not available	--	--
Evaporation rate:	Not available	--	--
Solid/gas flammability:	Not flammable	--	--
Upper/lower flammability or explosive limits:	Not available	--	--
Vapour pressure:	Not available	--	--
Vapour density:	Not available	--	--
Relative density:	Not available	--	--



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Solubility in water:	Soluble	--	--
Solubility in oil:	Not available	--	--
Partition coefficient (n-octanol/water):	Not available	--	--
Auto-ignition temperature:	Not available	--	--
Decomposition temperature:	Not available	--	--
Viscosity:	Not available	--	--
Explosive properties:	Not available	--	--
Oxidizing properties:	Not available	--	--

9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	Not available	--	--
Fat Solubility:	Not available	--	--
Conductivity:	Not available	--	--
Substance Groups relevant properties	N.A.	--	--

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

None in particular.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the product:
HEPI 5DROPS BLEACH & PINE 1x55g
a) acute toxicity
Not classified





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Based on available data, the classification criteria are not met

- b) skin corrosion/irritation
The product is classified: Skin Irrit. 2 H315
- c) serious eye damage/irritation
The product is classified: Eye Dam. 1 H318
- d) respiratory or skin sensitisation
Not classified
Based on available data, the classification criteria are not met
- e) germ cell mutagenicity
Not classified
Based on available data, the classification criteria are not met
- f) carcinogenicity
Not classified
Based on available data, the classification criteria are not met
- g) reproductive toxicity
Not classified
Based on available data, the classification criteria are not met
- h) STOT-single exposure
Not classified
Based on available data, the classification criteria are not met
- i) STOT-repeated exposure
Not classified
Based on available data, the classification criteria are not met
- j) aspiration hazard
Not classified
Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts - CAS: 68411-30-3

- a) acute toxicity:
Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg
Test: LD50 - Route: Oral - Species: Rat = 1080 mg/kg
- d) respiratory or skin sensitisation:
Test: Skin Sensitization - Route: Skin Negative

Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts - CAS: 68439-57-6

- a) acute toxicity:
Test: LC50 - Route: Inhalation - Species: Rat > 52 mg/l - Duration: 4h
Test: LD50 - Route: Skin - Species: Rabbit > 6300 mg/kg
Test: LD50 - Route: Oral - Species: Rat = 2079 mg/kg

troclosene sodium, dihydrate - CAS: 51580-86-0

- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 735 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit = 2000 mg/kg

Benzisothiazolinone - CAS: 2634-33-5

- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 1193 mg/kg
Test: LD50 - Route: Skin - Species: Rat = 4115 mg/kg

SECTION 12: Ecological information

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

12.1. Toxicity

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The product is classified: Aquatic Chronic 3 - H412

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts - CAS: 68411-30-3

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Daphnia = 2.9 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish = 1.67 mg/l - Duration h: 96

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Algae = 3.1 mg/l - Duration h: 360

Endpoint: NOEC - Species: Daphnia = 1.41 mg/l - Duration h: 540

Endpoint: NOEC - Species: Fish = 0.268 mg/l - Duration h: 672

c) Bacteria toxicity:

Endpoint: EC50 = 550 mg/l - Duration h: 3

Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts - CAS: 68439-57-6

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 4.53 mg/l - Duration h: 48 - Notes: OECD 202 Daphnia sp. - Acute



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Immobilisation Test

Endpoint: EC50 - Species: Algae = 5.2 mg/l - Duration h: 72 - Notes: ISO 10253:2006

Endpoint: LC50 - Species: Fish = 4.2 mg/l - Duration h: 96

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 6.3 mg/l - Notes: OECD 211 Daphnia Magna - Reproduction Test

Endpoint: NOEC - Species: Algae = 3.2 mg/l - Duration h: 72 - Notes: ISO 10253:2006

troclosene sodium, dihydrate - CAS: 51580-86-0

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 0.4 mg/l

Endpoint: EC50 - Species: Daphnia > 0.1 mg/l

Benzisothiazolinone - CAS: 2634-33-5

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 3.7 mg/l - Duration h: 48

12.2. Persistence and degradability

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts - CAS: 68411-30-3

Biodegradability: Readily biodegradable - Test: BIODG06 - Duration: 28GG - %: 85 - Notes: OECD 301B Ready biodegradability

Benzisothiazolinone - CAS: 2634-33-5

Biodegradability: Readily biodegradable - Test: BIODG06 - Duration: 28GG - %: 100 - Notes: OECD 301B Ready Biodegradability

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts - CAS: 68411-30-3

Bioaccumulation: .2 - Test: Kow - Partition coefficient 3.32 - Duration: N.A. - Notes: N.A.

Benzisothiazolinone - CAS: 2634-33-5

Bioaccumulation: .2 - Test: Kow - Partition coefficient 1.3 - Duration: N.A. - Notes: N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

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.

SECTION 14: Transport information

14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

N.A.

14.3. Transport hazard class(es)

N.A.



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14.4. Packing group

N.A.

14.5. Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

14.6. Special precautions for user

N.A.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

N.A.

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) 2015/830
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)

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 40

Restrictions related to the substances contained:

No restriction.

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)
Regulation (EC) nr 648/2004 (detergents).
Dir. 2004/42/EC (VOC directive)

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

Seveso III category according to Annex 1, part 1
None

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.
Substances for which a Chemical Safety Assessment has been carried out:

None

SECTION 16: Other information

Text of phrases referred to under heading 3:

H302 Harmful if swallowed.
H412 Harmful to aquatic life with long lasting effects.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H272 May intensify fire; oxidiser.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
EUH031 Contact with acids liberates toxic gas.



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H317 May cause an allergic skin reaction.

Hazard class and hazard category	Code	Description
Ox. Sol. 2	2.14/2	Oxidising solid, Category 2
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

This safety data sheet has been completely updated in compliance to Regulation 2015/830.

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
Skin Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	Calculation method
Aquatic Chronic 3, H412	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

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 duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
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.





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LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.

