

# **MOD : WASH-PL**

**Production code : PN01252**



**Safety Data Sheet dated 20/1/2025, version 9**

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

1.1. Product identifier

Mixture identification:

Trade name: WASH-PL  
Trade code: PN01250  
UFI: Y2E0-V0EE-E002-67UD

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

Recommended use: Concentrated detergent for manual washing

Concentrated dishwasher detergent for very hard water

Uses advised against:

Uses other than those recommended. Do not use with other product.

1.3. Informazioni sul distributore della scheda di dati di sicurezza

Distributore:

DIAMOND EUROPE SA/UV  
Chausse De Vilvorde, 92 BELGIO  
01120 BRUSSELS

Tel: 003222431298

Fax: 003224206766

E.mail: michele.bartolucci@diamond-eu.com

1.4. Emergency telephone number

Antipoison Center – Az.Osp.Papa Giovanni XXII - Bergamo - 800 883-300

Antipoison Center – Centro Nazionale di Informazione Tossicologica-PAVIA-0382 24444

Antipoison Center - Az. Osp. "Careggi" U.O. Tossicologia Medica - Firenze - 055 7947819

Antipoison Center – Policlinico "Umberto I"- Roma - 06 49918000

Antipoison Center - Policlinico " A. Gemelli " - Roma - 06 3054343

Antipoison Center – Az. Osp. "A. Cardarelli" - Napoli - 081 7472870

Antipoison Center – Osp. Niguarda Ca' Granda -Milano - 02 66101029

Antipoison Center – Az. Osp. Univ. Foggia - Foggia - 0881 732326

Antipoison Center – Az. Osp. Integrata Verona - Verona 80011858

Antipoison Center - Osp. Pediatrico Bambino Gesù - Roma - 06 49978000

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**SECTION 2: Hazards identification**

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)



Danger, Skin Corr. 1A, Causes severe skin burns and eye damage.



Danger, Eye Dam. 1, Causes serious eye damage.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Danger

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## WASH-PL

### Hazard statements:

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

### Precautionary statements:

P264 Wash the hands Thoroughly after handling.

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

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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

P310 Immediately call a POISON CENTER/doctor.

P405 Store locked up.

P501 Dispose of contents/container in accordance with applicable regulations.

### Special Provisions:

None

### Contains

ACIDO ETIDRONICO

potassium hydroxide; caustic potash

SODIO METASILICATO PENTAIDRATO

### 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  $\geq 0.1\%$

### 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
$\geq 20\%$ - $< 25\%$	potassium hydroxide; caustic potash	Index number: 019-002-00-8 CAS: 1310-58-3 EC: 215-181-3 REACH No.: 01-21194871 36-33-XXXX	 3.2/1A Skin Corr. 1A H314  3.1/4/Oral Acute Tox. 4 H302 Specific Concentration Limits: C $\geq 5\%$ : Skin Corr. 1A H314 2% $\leq$ C $< 5\%$ : Skin Corr. 1B H314 0,5% $\leq$ C $< 2\%$ : Skin Irrit. 2 H315 0,5% $\leq$ C $< 2\%$ : Eye Irrit. 2 H319
$\geq 5\%$ - $< 7\%$	ACIDO ETIDRONICO	CAS: 2809-21-4 EC: 220-552-8 REACH No.: 01-21195103 91-53-XXXX	 2.16/1 Met. Corr. 1 H290  3.1/4/Oral Acute Tox. 4 H302  3.3/1 Eye Dam. 1 H318
$\geq 3\%$ - $< 5\%$	SODIO METASILICATO PENTAIDRATO	Index number: 014-010-00-8 CAS: 10213-79-3 EC: 229-912-9 REACH No.: 01-21194498 11-37-XXXX	 2.16/1 Met. Corr. 1 H290  3.2/1B Skin Corr. 1B H314  3.8/3 STOT SE 3 H335

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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 induce vomiting.

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

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

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.

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### 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

Wash with plenty of water.

#### 6.4. Reference to other sections

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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, assure that there aren't any incompatible material residuals in the containers.  
See also section 8 for recommended protective equipment.  
Advice on general occupational hygiene:  
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  
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

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### SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters  
potassium hydroxide; caustic potash - CAS: 1310-58-3  
ACGIH - STEL: Ceiling 2 mg/m<sup>3</sup> - Notes: URT, eye, and skin irr
- DNEL Exposure Limit Values  
potassium hydroxide; caustic potash - CAS: 1310-58-3  
Worker Professional: 1.00 4 - Exposure: Human Inhalation - Frequency: Long Term (repeated)
- ACIDO ETIDRONICO - CAS: 2809-21-4  
Consumer: 6.5 mg/kg - Exposure: Human Oral - Frequency: Short Term (acute)  
Consumer: 6.5 mg/kg - Exposure: Human Oral - Frequency: Long Term (repeated)
- SODIO METASILICATO PENTAIDRATO - CAS: 10213-79-3  
Worker Industry: 1.49 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects  
Worker Industry: 0.006 mg/l - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
Worker Industry: 0.74 mg/kg - Consumer: 0.74 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects  
Consumer: 0.001 mg/l - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
Consumer: 0.74 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
- PNEC Exposure Limit Values  
ACIDO ETIDRONICO - CAS: 2809-21-4  
Target: Fresh Water - Value: 0.13 mg/l  
Target: Marine water - Value: 0.014 mg/l  
Target: Freshwater sediments - Value: 56 mg/kg  
Target: Marine water sediments - Value: 5.9 mg/kg  
Target: Soil (agricultural) - Value: 96 mg/kg
- SODIO METASILICATO PENTAIDRATO - CAS: 10213-79-3  
Target: Fresh Water - Value: 7.5 mg/l  
Target: Fresh Water - Value: 1 mg/l
- 8.2. Exposure controls  
Eye protection:

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Utilizzare visiere di sicurezza chiuse, non usare lenti oculari (EN 166)

Protection for skin:

Indossare indumenti che garantiscono una protezione totale per la pelle. (ad es. EN 14605 in caso di spruzzi o EN 13982 in caso di polveri).

Protection for hands:

Utilizzare guanti protettivi in NE (neoprene) o NI (nitrile) che garantiscano una protezione totale. ( EN 374 fattore di protezione 3, corrispondente a un tempo di permeazione di 60 minuti).

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
Physical state:	Liquid	Visual	--
Colour:	Colourless	Visual	--
Odour:	caratteristico	Olfactory	--
Odour threshold:	N.A.	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	N.A.	--	--
Flammability:	N.A.	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
pH:	13+/-0,5	Internal tests	--
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:	N.A.	--	--
Density and/or relative density:	1.25+/-0.05	Internal tests	--
Relative vapour density:	N.A.	--	--

#### Particle characteristics:

Particle size:	N.A.	--	--
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#### 9.2. Other information

Properties	Value	Method:	Notes
Corrosiveness:	N.A.	--	--

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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  
None in particular.
  - 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:

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- a) acute toxicity  
Not classified  
Based on available data, the classification criteria are not met
- b) skin corrosion/irritation  
The product is classified: Skin Corr. 1A H314
- 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:

potassium hydroxide; caustic potash - CAS: 1310-58-3

- a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat = 273 mg/kg  
Test: LD50 - Route: Skin - Species: Rat = 273 mg/kg  
Test: LC50 - Route: Inhalation - Species: Rat = 273 mg/m<sup>3</sup>

ACIDO ETIDRONICO - CAS: 2809-21-4

- a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Mouse = 1100 mg/kg  
Test: LD50 - Route: Oral - Species: Rat = 1580 mg/kg

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Test: LD50 - Route: Skin - Species: Rabbit > 7940 mg/l  
SODIO METASILICATO PENTAIDRATO - CAS: 10213-79-3

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 1152 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 5000 mg/kg

#### 11.2. Information on other hazards

Endocrine disrupting properties:

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

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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  
potassium hydroxide; caustic potash - CAS: 1310-58-3

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 80 mg/l - Duration h: 96

Endpoint: EC50 - Species: Fish = 80 mg/l - Duration h: 48

Endpoint: EC50 - Species: Fish = 80 mg/l - Duration h: 72

ACIDO ETIDRONICO - CAS: 2809-21-4

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 368 mg/l - Duration h: 96

Endpoint: EC50 - Species: Fish > 100 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 527 mg/l - Duration h: 48

Endpoint: EC50 - Species: Daphnia > 1000 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 7.2 mg/l - Duration h: 96

Endpoint: EC50 - Species: Algae = 153 mg/l - Duration h: 72

SODIO METASILICATO PENTAIDRATO - CAS: 10213-79-3

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Fish = 1108 mg/l - Duration h: 96

Endpoint: EC50 - Species: 5 = 1700 mg/l - Duration h: 48

### 12.2. Persistence and degradability

N.A.

### 12.3. Bioaccumulative potential

SODIO METASILICATO PENTAIDRATO - CAS: 10213-79-3

Bioaccumulation: Not bioaccumulative

### 12.4. Mobility in soil

N.A.

### 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

None

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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.

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## SECTION 14: Transport information

### 14.1. UN number or ID number

ADR-UN number: 1814

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- IATA-Un number:  
IMDG-Un number:
- 14.2. UN proper shipping name  
IMDG-Shipping Name: IDROSSIDO DI POTASSIO
- 14.3. Transport hazard class(es)  
ADR-Class: 8  
IMDG-Class: 8
- 14.4. Packing group  
ADR-Packing Group: III  
IMDG-Packing group: III
- 14.5. Environmental hazards  
Marine pollutant: No
- 14.6. Special precautions for user  
ADR-Transport category (Tunnel restriction code): E  
IMDG-Shipping Name: IDROSSIDO DI POTASSIO
- 14.7. Maritime transport in bulk according to IMO instruments  
N.A.

#### TRASPORTO/ULTERIORI INFORMAZIONI:

**ADR**  
**Quantità limitate (LQ) 5L**

**IMDG**  
**Limited quantities (LQ) 5L**

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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. 2020/878  
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)

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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

Restrictions related to the substances contained:

Restriction 75

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

Contiene:

Tra 5% - 15% fosfonati

D.L. 3/4/2006 n. 152 Norme in materia ambientale

Dir. 2004/42/CE (Direttiva COV)

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.

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### SECTION 16: Other information

Full text of phrases referred to in Section 3:

H314 Causes severe skin burns and eye damage.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H290 May be corrosive to metals.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

Hazard class and hazard category	Code	Description
Met. Corr. 1	2.16/1	Substance or mixture corrosive to metals, Category 1
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Corr. 1A	3.2/1A	Skin corrosion, Category 1A
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B
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
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
Skin Corr. 1A, H314	Calculation method
Eye Dam. 1, H318	Calculation method

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

Main bibliographic sources:

# Safety Data Sheet

## WASH-PL

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.
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.
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.