

WC NET Energy Détartrant gel / WC NET Professionnel Détartrant puissant
SAFETY DATA SHEET (Regulation (EU) 2020/878)



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

1.1. Product identifier

Mixture identification:

Trade name:

WC NET Energy Détartrant gel / WC NET Professionnel Détartrant puissant

Product code:

2F0051

Product type and use:

Toilet cleaner
Acidic descaler.

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

Recommended use:

See label: instructions and precautions

Uses advised against:

See label: instructions and precautions.

1.3. Details of the supplier of the safety data sheet

Company:

BOLTON MANITOBA SPA

Via Pirelli, 19

20124 Milano - Italy

Tel. +39 02 6709 333 - Fax +39 0362 378 228

+39 02 6709 333

Competent person responsible for the safety data sheet:

safetyinfo@boltonmanitoba.it

1.4. Emergency telephone number

+39 02 6709 333

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

- ⚠ Warning, Met. Corr. 1, May be corrosive to metals.
- ⚠ Warning, STOT SE 3, May cause respiratory irritation.
- ⚠ Danger, Skin Corr. 1A, Causes severe skin burns and eye damage.
- ⚠ 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:

H290 May be corrosive to metals.



H335 May cause respiratory irritation.
 H314 Causes severe skin burns and 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.
 P280 Wear protective gloves/ protective clothing/eye protection/face 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.
 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 or doctor.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

PACK1 The packing must be featured by a safety lock for children.
 PACK2 The packing must have tactile indications of danger for blind people.

Contains

hydrochloric acid
 PEG OLEAMINE

2.3. Other hazards

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

Other Hazards:

No other hazards

Composition labelling (Detergent Regulation 648/2004/EC).

Ingredients - 648/2004/EC (www.boltondet.com):

< 5 % non-ionic surfactants
 Also contains: disinfectants, perfumes

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

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

Qty	Name	Ident. Number	Classification
$\geq 12,5\%$ - < 15%	hydrochloric acid	Index number: CAS: EC: REACH No.: 017-002-01-X 7647-01-0 231-595-7 01-2119484862-27-XXXX	⚠ 2.16/1 Met. Corr. 1 H290 ⚠ 3.8/3 STOT SE 3 H335 ⚠ 3.2/1 Skin Corr. 1 H314
$\geq 1\%$ -	PEG OLEAMINE	CAS: 25307-17-9	⚠ 3.1/4/Oral Acute Tox. 4 H302



< 3%		EC: 246-807-3 REACH No.: 01-2119510876-35-XXXX	<ul style="list-style-type: none"> ⚠ 3.2/1B Skin Corr. 1B H314 ⚠ 3.3/1 Eye Dam. 1 H318 ⚠ 4.1/A1 Aquatic Acute 1 H400 M=10. ⚠ 4.1/C1 Aquatic Chronic 1 H410 M=1.
>= 0,1% - < 0,25%	BENZALKONIUM CHLORIDE	CAS: 68424-85-1 EC: 270-325-2 REACH No.: 01-2119970550-39-XXXX	<ul style="list-style-type: none"> ⚠ 3.1/4/Oral Acute Tox. 4 H302 ⚠ 3.2/1 Skin Corr. 1 H314 ⚠ 3.3/1 Eye Dam. 1 H318 ⚠ 4.1/A1 Aquatic Acute 1 H400 M=1. ⚠ 4.1/C1 Aquatic Chronic 1 H410 M=1.

For full text of the R, H and EUH sentences mentioned in this Section, see Section 16. Exposure limits in the workplace, if available, are listed in Section 8.1.

[1] Exempted: ionic mixture. See Regulation 1907/2006/EC, Annex 5, paragraphs 3 and 4 and "Guidance for Annex V - Exemptions from the obligation to register" (http://echa.europa.eu/documents/10162/13632/annex_v_en.pdf). This salt is potentially present on the basis of calculations and is included in the list of substances for the purposes of classification and labeling only. The starting substances of the ionic mixture are registered or exempted.

[2] Exempted: Included in Annex IV of Regulation 1907/2006/EC.

[3] Exempted: Included in Annex V of Regulation 1907/2006/EC.

[4] Polymer, exempted under Article. 2.9 of Regulation 1907/2006/EC.

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:

In case of inhalation, consult a doctor immediately and show him packing or label.

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.
 - Wear breathing apparatus if exposed to vapours/dusts/aerosols.
 - Provide adequate ventilation.
 - Use appropriate respiratory protection.
 - 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
 - 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.
 - Use localized ventilation system.
 - 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 container tightly closed.
 - Keep in a fresh and ventilated area.
 - 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

hydrochloric acid - CAS: 7647-01-0

EU - TWA(8h): 8 mg/m³, 5 ppm - STEL: 15 mg/m³, 10 ppm

ACGIH - STEL: Ceiling 2 ppm - Notes: A4 - URT irr

DNEL Exposure Limit Values

hydrochloric acid - CAS: 7647-01-0

Worker Industry: 15.0 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects

PEG OLEAMINE - CAS: 25307-17-9

Worker Industry: 1.76 mg/m³ - Consumer: 0.621 mg/m³ - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

Worker Industry: 0.25 mg/kg - Consumer: 0.179 mg/kg - Exposure: Human Dermal -

Frequency: Long Term, systemic effects

Consumer: 0.179 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

BENZALKONIUM CHLORIDE - CAS: 68424-85-1

Worker Industry: 3.96 mg/m³ - Consumer: 1.64 mg/cm³ - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

Worker Industry: 5.7 mg/kg bw/d - Consumer: 3.4 mg/kg bw/d - Exposure: Human Dermal -

Frequency: Long Term, systemic effects

Consumer: 3.4 mg/kg bw/d - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

hydrochloric acid - CAS: 7647-01-0

Target: Fresh Water - Value: 0.0360 mg/l

Target: Marine water - Value: 0.0360 mg/l

PEG OLEAMINE - CAS: 25307-17-9

Target: Fresh Water - Value: 0.000214 mg/l

Target: Marine water - Value: 0.000021 mg/l

Target: Freshwater sediments - Value: 1.692 mg/kg

Target: Marine water sediments - Value: 0.1692 mg/kg

BENZALKONIUM CHLORIDE - CAS: 68424-85-1

Target: Fresh Water - Value: 0.0009 mg/l

Target: Marine water - Value: 0.00096 mg/l

Target: Freshwater sediments - Value: 12.27 mg/kg

Target: Marine water sediments - Value: 13.09 mg/kg

Target: Microorganisms in sewage treatments - Value: 0.4 mg/l

8.2. Exposure controls

Eye protection:

Eye glasses with side protection.

Face protection shield.

Protection for skin:

Safety shoes.

Chemical protection clothing.



Protection for hands:

Gloves with long cuffs.

Suitable material:

CR (polychloroprene, chloroprene rubber).

NBR (nitrile rubber).

PVC (polyvinyl chloride).

PE (polyethylene).

Respiratory protection:

Use respiratory protection where ventilation is insufficient or exposure is prolonged.

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	--	--
Colour:	Green	--	--
Odour:	Characteristic	--	--
Odour threshold:	N.D.	--	smell distinctly perceptible under normal use conditions.
Melting point/freezing point:	Not Relevant	--	property not pertinent or not relevant to the safety and product classification
Boiling point or initial boiling point and boiling range:	Not Relevant	--	This property is not pertinent or not relevant to the safety and product classification
Flammability:	Not applicable	--	--



Lower and upper explosion limit:	Not applicable	--	it does not burn
Flash point:	Not applicable	--	Will not burn
Auto-ignition temperature:	Not applicable	--	not flammable
Decomposition temperature:	Not Relevant	--	--
pH:	0.5	--	the product as such (100%)
Kinematic viscosity:	Not applicable	--	--
Solubility in water:	Complete	--	--
Solubility in oil:	Insoluble	--	--
Partition coefficient n-octanol/water (log value):	Not applicable	--	mixture of many different substances
Vapour pressure:	ND bar / 20°C	--	--
Density and/or relative density:	1.1 kg/l	--	0
Relative vapour density:	ND	--	--
Particle characteristics:			
Particle size:	Not applicable	--	--

9.2. Other information

Properties	Value	Method:	Notes:
Viscosity:	200 s	--	time of outflow (s). # Ford cup 2

SECTION 10: Stability and reactivity

10.1. Reactivity

May react with alkaline products, with metals, with oxidizing chlorine-based, with products and materials sensitive to strong acid

10.2. Chemical stability

The product is stable under normal storage conditions (between -10 ° C and + 50 ° C)
Stable under normal conditions

10.3. Possibility of hazardous reactions

It can react with strong alkalis or substances and environmentally sensitive materials very acidic.
Can develop hazardous gases (chlorine) when used in combination with oxidizing products based on chlorine (bleaches, hypochlorites).



10.4. Conditions to avoid

Avoid conditions of handling, storage and use other than those explicitly indicated on the label and / or in Sections 7 and 8

10.5. Incompatible materials

acid-sensitive materials such as alkalis, strong bases.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

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

Toxicological information of the product:

Not applicable

Toxicological information of the main substances found in the product:

hydrochloric acid - CAS: 7647-01-0

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rabbit = 900 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat = 1.68 mg/l - Duration: 1h

PEG OLEAMINE - CAS: 25307-17-9

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 1260 mg/kg

b) skin corrosion/irritation:

Species: Rabbit

c) serious eye damage/irritation:

BENZALKONIUM CHLORIDE - CAS: 68424-85-1

a) acute toxicity:

Test: LD50 - Route: Skin - Species: Rabbit = 2848 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 800 mg/kg

Test: LD50 - Route: Oral - Species: Rat = 397.5 mg/kg

If not differently specified, the information required in Regulation (EU)2020/878 listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration \geq 0.1%

SECTION 12: Ecological information

12.1. Toxicity

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



hydrochloric acid - CAS: 7647-01-0

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 24.5 mg/l - Duration h: 96

Endpoint: EC50 - Species: Algae = 0.78 mg/l - Duration h: 72

Endpoint: EC50 - Species: Daphnia = 0.492 mg/l - Duration h: 48

PEG OLEAMINE - CAS: 25307-17-9

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 0.1-1 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia > 0.01-0.1 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae > 0.01-0.1 mg/l - Duration h: 72

Endpoint: EC50 - Species: 19126.Bacteria = 128 mg/l - Duration h: 3

BENZALKONIUM CHLORIDE - CAS: 68424-85-1

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 0.85 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 0.02 mg/l - Duration h: 48

Endpoint: LC50 - Species: Algae = 0.06 mg/l - Duration h: 96

12.2. Persistence and degradability

None

Not applicable

12.3. Bioaccumulative potential

Not applicable

12.4. Mobility in soil

Not applicable

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

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.

SECTION 14: Transport information



14.1. UN number or ID number

ADR-UN Number: 1760

IATA-UN Number: 1760

IMDG-UN Number: 1760

14.2. UN proper shipping name

ADR-Shipping Name: CORROSIVE LIQUID, N.O.S. (hydrochloric acid)

IATA-Shipping Name: CORROSIVE LIQUID, N.O.S. (hydrochloric acid)



IMDG-Shipping Name:	CORROSIVE LIQUID, N.O.S. (hydrochloric acid)
14.3. Transport hazard class(es)	
ADR-Class:	8
ADR - Hazard identification number:	80
IATA-Class:	8
IATA-Label:	8
IMDG-Class:	8
IMDG-Class:	8
14.4. Packing group	
ADR-Packing Group:	III
IATA-Packing group:	III
IMDG-Packing group:	III
14.5. Environmental hazards	
ADR-Environmental Pollutant:	No
IMDG-Marine pollutant:	No
IMDG-EmS:	F-A , S-B
14.6. Special precautions for user	
ADR-Subsidiary hazards:	-
ADR-S.P.:	274
ADR-Transport category (Tunnel restriction code):	(E)
IATA-Subsidiary hazards:	-
IMDG-Subsidiary hazards:	-
IMDG-Stowage and handling:	Category A
IMDG-Segregation:	Clear of living quarters.
14.7. Maritime transport in bulk according to IMO instruments	
Not applicable	

The product is transported in conditions that comply with exemption criteria for ADR transport.

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)

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).

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.

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.

SECTION 16: Other information

Text of phrases referred to under heading 3:

H290 May be corrosive to metals.

H335 May cause respiratory irritation.

H314 Causes severe skin burns and eye damage.

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

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. 1	3.2/1	Skin corrosion, Category 1
Skin Corr. 1A	3.2/1A	Skin corrosion, Category 1A
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B
Eye Dam. 1	3.3/1	Serious eye damage, Category 1

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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 2020/878. 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
Met. Corr. 1, H290	On basis of test data
STOT SE 3, H335	Calculation method
Skin Corr. 1A, H314	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:

ACGIH - Threshold Limit Values for Chemical Substances (www.acgih.org)

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 SDS cancels and replaces any preceding release.

User is responsible of complying all current and pertaining legislations, regulations and directives.

Company is not liable for any damage to persons or goods, caused by improper usage of information given in this safety data sheet.

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.

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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.
N.A.:	Not applicable
N.D.:	Not available
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.