

* O 33 Aktiv LW

Date revised: 08.01.2024

8740009511

Version: 11 / GB

Master No. MA-214

Print date: 17.04.2024

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

1.1. Product identifier

Trade name

O 33 Aktiv LW

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

Use of the substance/mixture

Disinfectant

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

BÜFA Cleaning GmbH & Co. KG

August-Hanken-Str. 30

26125 Oldenburg

Telephone no. +49 441 9317 0

Fax no. +49 441 9317 100

Information provided Department product safety / +49 441 9317 108

by / telephone

E-Mail sds-cleaning@buefa.de

1.4. Emergency telephone number

Poison Information Center Goettingen: +49 551 19240

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Org. Perox. F H242

Met. Corr. 1 H290

Acute Tox. 4 H302

Acute Tox. 4 H332

Skin Corr. 1A H314

Aquatic Chronic 1 H410

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008**Hazard pictograms****Signal word**

Danger

Hazard statements ***

H242	Heating may cause a fire.
H290	May be corrosive to metals.
H302+H332	Harmful if swallowed or if inhaled.
H314	Causes severe skin burns and eye damage.
H410	Very toxic to aquatic life with long lasting effects.

* O 33 Aktiv LW

Date revised: 08.01.2024

8740009511

Version: 11 / GB

Master No. MA-214

Print date: 17.04.2024

Precautionary statements ***

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P234	Keep only in original packaging.
P260.3	Do not breathe mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
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 or doctor.
P403	Store in a well-ventilated place.
P411.1	Store at temperatures not exceeding 30°C.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains Peroxyacetic acid; Hydrogen peroxide; Sulphuric acid

Sensitising substances**Supplemental information**

EUH071 Corrosive to the respiratory tract.

2.3. Other hazards

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous ingredients****hydrogen peroxide solution... %**

CAS No.	7722-84-1
EINECS no.	231-765-0
Registration no.	01-2119485845-22-XXXX
Concentration	>= 10 < 25 %
Ox. Liq. 1	H271
Acute Tox. 4	H332
Acute Tox. 4	H302
Skin Corr. 1A	H314

Concentration limits (Regulation (EC) No. 1272/2008)

Eye Dam. 1	H318	>= 8 < 50 %
Eye Irrit. 2	H319	>= 5 < 8 %
Ox. Liq. 1	H271	>= 70 %
Ox. Liq. 2	H272	>= 50 < 70 %
Skin Corr. 1A	H314	>= 70 %
Skin Corr. 1B	H314	>= 50 < 70 %
Skin Irrit. 2	H315	>= 35 < 50 %
STOT SE 3	H335	>= 35 %
ATE oral	416	

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note B

sulphuric acid ... %

CAS No.	7664-93-9
EINECS no.	231-639-5
Registration no.	01-2119458838-20-XXXX
Concentration	>= 10 < 25 %

* O 33 Aktiv LW

Date revised: 08.01.2024

8740009511

Version: 11 / GB

Master No. MA-214

Print date: 17.04.2024

Skin Corr. 1A H314

Concentration limits (Regulation (EC) No. 1272/2008)

Eye Irrit. 2	H319	>= 5 < 15 %
Skin Corr. 1A	H314	>= 15 %
Skin Irrit. 2	H315	>= 5 < 15 %

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note B

acetic acid ... %

CAS No.	64-19-7
EINECS no.	200-580-7
Registration no.	01-2119475328-30-XXXX
Concentration	>= 2,5 < 10 %
Flam. Liq. 3	H226
Skin Corr. 1A	H314

Concentration limits (Regulation (EC) No. 1272/2008)

Eye Irrit. 2	H319	>= 10 < 25 %
Skin Corr. 1A	H314	>= 90 %
Skin Corr. 1B	H314	>= 25 < 90 %
Skin Irrit. 2	H315	>= 10 < 25 %

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note B

peroxyacetic acid ... %

CAS No.	79-21-0
EINECS no.	201-186-8
Registration no.	01-2119531330-56-XXXX
Concentration	>= 2,5 < 10 %
Flam. Liq. 3	H226
Skin Corr. 1A	H314
Acute Tox. 4	H302
Acute Tox. 4	H312
Org. Perox. D	H242
Acute Tox. 4	H332
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

Concentration limits (Regulation (EC) No. 1272/2008)

STOT SE 3	H335	>= 1 %
ATE oral	100	
ATE dermal	1100	
ATE inhalative	76	

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note B, D

For explanation of abbreviations see section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**

Ensure supply of fresh air. Summon a doctor immediately.

After skin contact

Wash off immediately with soap and water.

After eye contact

In case of contact with the eyes rinse thoroughly with plenty of water or with an eye-cleaning solution. Seek medical advice immediately.

* O 33 Aktiv LW

Date revised: 08.01.2024

8740009511

Version: 11 / GB

Master No. MA-214

Print date: 17.04.2024

After ingestion

Do not induce vomiting. Call in a physician immediately and show him the Safety Data Sheet.

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

There is no further relevant information available

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

There is no further relevant information available

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

Water spray jet, Dry powder, Extinguishing measures to suit surroundings

Non suitable extinguishing media

Full water jet, organic compounds

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: Reacts with base metals forming hydrogen. Carbon monoxide (CO); Carbon dioxide (CO₂); Sulphur oxides

5.3. Advice for firefighters

Use self-contained breathing apparatus.
Cool endangered containers with water spray jet.

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

Keep people away and stay on the upwind side. Use breathing apparatus if exposed to vapours/dust/aerosol. Use personal protective clothing.

6.2. Environmental precautions

Do not allow to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder). When picked up, treat material as prescribed under Section 13 "Disposal".

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

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

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return rest to the storage containers.

Keep away from sources of ignition - No smoking. The product is not combustible, however it supports combustion.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature > 5 < 30 °C

*
*
*

Keep only in original packaging. Provide ventilation of containers.
Do not store with combustible materials. Do not store together with textiles. Do not store together with:

* O 33 Aktiv LW

Date revised: 08.01.2024

8740009511

Version: 11 / GB

Master No. MA-214

Print date: 17.04.2024

Reducing agents, Alkalis
Protect from heat and direct sunlight.

7.3. Specific end use(s)

No information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

acetic acid ... %

List	EH40			
Type	WEL			
Value	25	mg/m ³	10	ppm(V)
Short term exposure limit	50	mg/m ³	20	ppm(V)

acetic acid ... %

List	IOELV			
Type	IOELV			
Value	25	mg/m ³	10	ppm(V)
Short term exposure limit	50	mg/m ³	20	ppm(V)

sulphuric acid ... %

List	IOELV			
Type	IOELV			
Value	0,05	mg/m ³		

hydrogen peroxide solution... %

List	EH40			
Type	WEL			
Value	1.4	mg/m ³	1	ppm(V)
Short term exposure limit	2.8	mg/m ³	2	ppm(V)

Derived No/Minimal Effect Levels (DNEL/DMEL)

hydrogen peroxide solution... %

Reference substance	hydrogen peroxide solution... %			
DNEL				
Conditions	Worker	Acute	inhalative	Local effects
Concentration	3	mg/m ³		
DNEL	hydrogen peroxide solution... %			
Conditions	Worker	Long term	inhalative	Systemic effects
Concentration	1,4	mg/m ³		

peroxyacetic acid ... %

Reference substance	peroxyacetic acid ... %			
DNEL				
Conditions	General Population	Acute	oral	Systemic effects
Concentration	1,25	mg/kg/d		
DNEL	peroxyacetic acid ... %			
Conditions	General Population	Long term	oral	Systemic effects
Concentration	1,25	mg/kg/d		
DNEL	peroxyacetic acid ... %			

* O 33 Aktiv LW

Date revised: 08.01.2024

8740009511

Version: 11 / GB

Master No. MA-214

Print date: 17.04.2024

Conditions Worker Long term inhalative Systemic effects
 Concentration 0,560 mg/m³

peroxyacetic acid ... %

DNEL
 Conditions Worker Acute inhalative Local effects
 Concentration 0,560 mg/m³

sulphuric acid ... %

Reference substance sulphuric acid ... %
 DNEL
 Conditions Worker Acute inhalative Local effects
 Concentration 0,1 mg/m³

sulphuric acid ... %

DNEL
 Conditions Worker Long term inhalative Local effects
 Concentration 0,05 mg/m³

acetic acid ... %

Reference substance acetic acid ... %
 DNEL
 Conditions Worker Acute inhalative Local effects
 Concentration 25 mg/m³

acetic acid ... %

DNEL
 Conditions Worker Long term inhalative Local effects
 Concentration 25 mg/m³

Predicted No Effect Concentration (PNEC)

hydrogen peroxide solution... %

Reference substance hydrogen peroxide solution... %
 Type of value PNEC
 Type Water
 Concentration 0,0126 to mg/l

Type of value hydrogen peroxide solution... %
 Type PNEC
 Type Sewage treatment plant (STP)
 Concentration 4,66 to mg/l

peroxyacetic acid ... %

Reference substance peroxyacetic acid ... %
 Type of value PNEC
 Type Water
 Conditions Intermittend
 Concentration 0,0016 to mg/l

Type of value peroxyacetic acid ... %
 Type PNEC
 Type Soil
 Concentration 0,282 to 0,320 mg/kg

Type of value peroxyacetic acid ... %
 Type PNEC
 Type Sewage treatment plant (STP)

* O 33 Aktiv LW

Date revised: 08.01.2024

8740009511

Version: 11 / GB

Master No. MA-214

Print date: 17.04.2024

Concentration 0,051 to mg/l

sulphuric acid ... %

Reference substance sulphuric acid ... %

Type of value PNEC

Type Water

Concentration 0,25 to mg/l

Type of value sulphuric acid ... %

Type PNEC

Type Sediment

Concentration 0,002 to mg/kg

Type of value sulphuric acid ... %

Type PNEC

Type Sewage treatment plant (STP)

Concentration 8,8 to mg/l

acetic acid ... %

Reference substance acetic acid ... %

Type of value PNEC

Type Water

Conditions Intermittend

Concentration 3,058 to mg/l

Type of value acetic acid ... %

Type PNEC

Type Sediment

Concentration 11,36 to mg/kg/d

Type of value acetic acid ... %

Type PNEC

Type Sewage treatment plant (STP)

Concentration 85 to mg/l

8.2. Exposure controls**General protective and hygiene measures**

Observe the usual precautions for handling chemicals. Personal protective equipment must comply with the Regulation (EC) No 2016/425 and the resulting CEN standards. The following information on personal protective equipment (PPE) is to be understood as a suggestion. The selection of the necessary PPE must be considered by the employer depending on the activities to be carried out and the local conditions. If it is determined during the on-site risk assessment that there is no danger to the employee, there is no need to wear PPE or the scope of the PPE to be used can be adjusted accordingly.

Respiratory protection

If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Self-contained breathing apparatus. Short term: filter apparatus, Filter B

Hand protection

Chemical resistant gloves

Appropriate Material nitrile

Material thickness > 0,7 mm

Breakthrough time > 480 min

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leaktightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

* O 33 Aktiv LW

Date revised: 08.01.2024

8740009511

Version: 11 / GB

Master No. MA-214

Print date: 17.04.2024

Eye protection

Tightly fitting safety glasses; Eye protection must comply with EN 166.

Body protection

Impermeable protective clothing; Personal protective clothing must comply with the relevant CEN standards.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	liquid		
Colour	colourless		
Odour	Product specific		
Melting point			
Remarks	not determined		
Boiling point			
Value	105		°C
Flammability			
evaluation	not determined		
Explosion limits			
Remarks	not determined		
Flash point			
Value	98		°C
Method	DIN EN 22719 / ISO 2719		
Ignition temperature			
Remarks	Not applicable		
Thermal decomposition			
Remarks	not determined		
Self Accelerating Decomposition / Polymerization Temperature (SADT/SAPT)			
Value	> 45		°C
pH value			
Value	appr. 1,7		
Viscosity			
kinematic			
Value	1,525		mm ² /s
Temperature	20	°C	
Solubility in other solvents			
	not determined		
Octanol/water partition coefficient (log Pow)			
Remarks	Not relevant		
Vapour pressure			
Remarks	not determined		
Density			
Value	appr. 1,20		kg/l
Temperature	20	°C	
Vapour density			
Remarks	not determined		
Particle characteristics			
Remarks	Not relevant		

9.2. Other information

* O 33 Aktiv LW

Date revised: 08.01.2024

8740009511

Version: 11 / GB

Master No. MA-214

Print date: 17.04.2024

Odour threshold

Remarks No data available

Solubility in water

Remarks Completely miscible

Oxidising properties

evaluation oxidizing

SECTION 10: Stability and reactivity**10.1. Reactivity**

Gaseous decomposition products cause pressure to build up in tightly sealed vessels.

10.2. Chemical stability

Protect from heat/overheating.

10.3. Possibility of hazardous reactions

Corrosive to metals. Reactions with alkalis. Reactions with metals, with evolution of hydrogen.

10.4. Conditions to avoid

Do not keep the container sealed.

Thermal decomposition

Remarks not determined

10.5. Incompatible materials

Reactions with impurities. Contact with incompatible materials such as acids, alkalis, heavy metals and reducing agents will result in hazardous decomposition. Reactions with combustible substances.

10.6. Hazardous decomposition productssulphurous oxides (SO_x), Oxygen, Toxic gases/vapours, Oxygen, Toxic gases/vapours**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity**

ATE	959	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	
The classification criteria are met.		

Acute oral toxicity (Components)**peroxyacetic acid ... %****acetic acid ... %**

Species	Rats (male/female)	
LD50	3310	mg/kg

hydrogen peroxide solution... %**Acute dermal toxicity**

ATE	> 10.000	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	
Based on available data, the classification criteria are not met.		

Acute dermal toxicity (Components)**peroxyacetic acid ... %****Acute inhalational toxicity**

ATE	39,43	mg/l
Administration/Form	Vapors	
Method	calculated value (Regulation (EC) No. 1272/2008)	
ATE	5,38	mg/l
Administration/Form	Dust/Mist	

* O 33 Aktiv LW

Date revised: 08.01.2024

8740009511

Version: 11 / GB

Master No. MA-214

Print date: 17.04.2024

Method calculated value (Regulation (EC) No. 1272/2008)

Based on available data, the classification criteria are not met.

Acute inhalative toxicity (Components)**peroxyacetic acid ... %****acetic acid ... %****Skin corrosion/irritation**

evaluation corrosive

The classification criteria are met.

Serious eye damage/irritation

evaluation corrosive

The classification criteria are met.

Sensitization

Based on available data, the classification criteria are not met.

Sensitization (Components)

Based on available data, the classification criteria are not met.

Mutagenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity (STOT)**Single exposure**

The classification criteria are met.

evaluation May cause respiratory irritation.

Repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity****peroxyacetic acid ... %**

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)			
LC50	0,9	to	2,0	mg/l
Duration of exposure	96	h		

acetic acid ... %

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)			
LC50	> 300,82			mg/l
Duration of exposure	96	h		

sulphuric acid ... %

Reference substance	sulphuric acid ... %			
Species	sun perch			
LC50	16	to	28	mg/l
Duration of exposure	96	h		

hydrogen peroxide solution... %

Reference substance	hydrogen peroxide solution... %			
Species	Fathead minnow (<i>Pimephales promelas</i>)			
LC50	16,4			mg/l
Duration of exposure	96	h		

* O 33 Aktiv LW

Date revised: 08.01.2024

8740009511

Version: 11 / GB

Master No. MA-214

Print date: 17.04.2024

Daphnia toxicity**peroxyacetic acid ... %**

Species	Daphnia magna			
EC50	0,5	to	1,0	mg/l
Duration of exposure	48	h		

acetic acid ... %

Species	Daphnia magna			
EC50	> 300,82			mg/l
Duration of exposure	48	h		

sulphuric acid ... %

Reference substance	sulphuric acid ... %			
Species	Daphnia magna			
EC50	> 100			mg/l
Duration of exposure	48	h		
Method	OECD 202			

hydrogen peroxide solution... %

Reference substance	hydrogen peroxide solution... %			
Species	Daphnia pulex			
EC50	2,4			mg/l
Duration of exposure	48	h		

Algae toxicity**peroxyacetic acid ... %**

Species	Pseudokirchneriella subcapitata			
EC50	0,18	to	1,0	mg/l
Duration of exposure	48	h		

acetic acid ... %

Species	Skeletonema costatum			
EC50	> 300,82			mg/l
Duration of exposure	72	h		

sulphuric acid ... %

Reference substance	sulphuric acid ... %			
Species	Desmodesmus subspicatus			
IC50	> 100			mg/l
Duration of exposure	72	h		
Method	OECD 201			

hydrogen peroxide solution... %

Reference substance	hydrogen peroxide solution... %			
Species	Chlorella vulgaris			
IC50	2,5			mg/l
Duration of exposure	72	h		

Bacteria toxicity**hydrogen peroxide solution... %**

Reference substance	hydrogen peroxide solution... %			
Species	Pseudomonas putida			
EC10	11			mg/l
Duration of exposure	16	h		

12.2. Persistence and degradability

Do not discharge product unmonitored into the environment.

Biodegradability**acetic acid ... %**

evaluation readily degradable

12.3. Bioaccumulative potential

For this subsection there is no ecotoxicological data available on the product as such.

* O 33 Aktiv LW

Date revised: 08.01.2024

8740009511

Version: 11 / GB

Master No. MA-214

Print date: 17.04.2024

Octanol/water partition coefficient (log Pow)

Remarks

Not relevant

12.4. Mobility in soil

For this subsection there is no ecotoxicological data available on the product as such.

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

The product contains no PBT substances. The product contains no vPvB substances.

12.6 Endocrine disrupting properties**Endocrine disrupting properties with respect to the environment**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

For this subsection there is no ecotoxicological data available on the product as such.

Behaviour in sewers [waste treatment plants]

The product is an acid. Neutralization is normally necessary before a waste water is discharged into sewage treatment plants.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

Disposal recommendations for packaging

Completely emptied packagings can be given for recycling.

SECTION 14: Transport information

* O 33 Aktiv LW

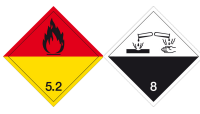



Date revised: 08.01.2024

8740009511

Version: 11 / GB

Master No. MA-214

Print date: 17.04.2024

	Land transport ADR/RID	Marine transport IMDG/GGVSee
14.1. UN number	3109	3109
14.2. UN proper shipping name	ORGANIC PEROXIDE TYPE F, LIQUID (Peroxyacetic acid)	ORGANIC PEROXIDE TYPE F, LIQUID (Peroxyacetic acid)
14.3. Transport hazard class(es)	5.2	5.2
Subsidiary risk	8	
Label		
14.5. Environmental hazards	 ENVIRONMENTALLY HAZARDOUS	 ENVIRONMENTALLY HAZARDOUS
Marine Pollutant		Marine Pollutant
Limited Quantity	125 ml	125 ml
Transport category	2	
Tunnel restriction code	D	
Hazard id. no.	539	
EmS		F-J, S-R

Information for all modes of transport

14.6. Special precautions for user

Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Other information

14.7 Maritime transport in bulk according to IMO instruments

Not relevant

SECTION 15: Regulatory information ***

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

Major-accident categories acc. 2012/18/EU

Category P6b SELF-REACTIVE SUBSTANCES AND MIXTURES and ORGANIC PEROXIDES

Category E1 Hazardous to the Aquatic Environment

Ingredients (Regulation (EC) No 648/2004)

* O 33 Aktiv LW

Date revised: 08.01.2024

8740009511

Version: 11 / GB

Master No. MA-214

Print date: 17.04.2024

15 % or over but less than 30 %:

oxygen-based bleaching agents

less than 5 %:

phosphonates

VOC

VOC (EU) < 15 %

Other information ***

Acquisition, introduction, possession or use of this product by the general public is restricted by Regulation (EU) 2019/1148. All suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point.

The product does not contain substances according to: Annex XIV of Regulation (EC) No. 1907/2006 (REACH)

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information**Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:**

Org. Perox. F	H242	On basis of test data
Met. Corr. 1	H290	On basis of test data
Acute Tox. 4	H302	Calculation method
Acute Tox. 4	H332	Calculation method
Skin Corr. 1A	H314	Calculation method
Aquatic Chronic 1	H410	Calculation method

Hazard statements listed in Chapter 2/3

H226	Flammable liquid and vapour.
H242	Heating may cause a fire.
H271	May cause fire or explosion; strong oxidizer.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

CLP categories listed in Chapter 2/3

Acute Tox. 4	Acute toxicity, Category 4
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic, Category 1
Flam. Liq. 3	Flammable liquid, Category 3
Met. Corr. 1	Substance or mixture corrosive to metals, Category 1
Org. Perox. D	Organic peroxide, Type D
Org. Perox. F	Organic peroxide, Type F
Ox. Liq. 1	Oxidising liquid, Category 1
Skin Corr. 1A	Skin corrosion, Category 1A

Abbreviations

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route

RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses

GGVSee: Gefahrgutverordnung See

IMDG: International Maritime Code for Dangerous Goods

CAS: Chemical Abstracts Service

EAK: Europäischer Abfallkatalog

EINECS: European Inventory of Existing Commercial Chemical Substances

VOC: Volatile Organic Compound

* O 33 Aktiv LW

Date revised: 08.01.2024

8740009511

Version: 11 / GB

Master No. MA-214

Print date: 17.04.2024

GefStoffV: Gefahrstoffverordnung
TA Luft: Technische Anleitung zur Reinhaltung der Luft
INCI: International Nomenclature of Cosmetic Ingredients
n.a.g.: nicht anders genannt
MAK: Maximale Arbeitsplatz-Konzentration
AGW: Arbeitsplatzgrenzwert
BGW: Biologischer Grenzwert
TRGS: Technische Regeln für Gefahrstoffe
OEL: Occupational exposure limit
SUVA: Schweizerische Unfallversicherungsanstalt
WEL: Workplace exposure limit
MAC: Maximale aanvaarde concentratie (Netherlands)
MEL: Maximum exposure limits
NOEL: No observable effect level
NOEC: No observable effect concentration
LD: Lethal dose
LC: Lethal concentration
LLC: Lowest lethal concentration
PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very persistent and very bioaccumulative
SVHC: Substances of very high concern
DNEL: Derived no effect level
DMEL: Derived minimal effect level
PNEC: Predicted no effect concentration
PEC: Predicted environmental concentration
GHS: Globally Harmonized System of classification and Labelling of Chemicals
REACH: Registration, Evaluation, Autohorisation and Restriction of Chemicals
UN: United Nations
EG: Europäische Gemeinschaft
EWG: Europäische Wirtschaftsgemeinschaft
EU: European Union
HSNO: Hazardous Substances and New Organisms Act (New Zealand)
ATE: Acute Toxicity Estimate
STOT: Specific Target Organ Toxicity
IOELV: Indicative Occupational Exposure Limit Values

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.