

# Glas polijstpasta

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

Issue date: 22-1-2020 Revision date: 22-1-2020 Supersedes: 29-6-2015 Version: 6.0

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Glas polijstpasta  
Product code : 7430.0\_68020RG70  
Type of product : Detergent,Treated article (Biocide)  
Product group : Trade product

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use,Consumer use  
Use of the substance/mixture : The data given here is based on the product properties as mentioned in section 1.1. and is provided on the assumption, that the product will be used in the manner and for the purposes for which the manufacturer indicates.  
Use of the substance/mixture : Cleaner  
Specific use  
Function or use category : Cleaning/washing agents and additives

Title	Use descriptors
Professional uses; Manual application (Association ref code: AISE_SUMI_PW_19_1_G)	SU22, PC35, PROC19, ERC8a, AISE SPERC 8a.1.a.v2
Professional uses; Brushing after trigger spraying or brushing with tools (Association ref code: AISE_SUMI_PW_10_1_G)	SU22, PC35, PROC10, ERC8a, AISE SPERC 8a.1.a.v2
Consumer use of washing and cleaning products	SU21, PC35, ERC8a

Full text of use descriptors: see section 16

##### 1.2.2. Uses advised against

No additional information available

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

Haenen Onderhoud B.V.  
Het Aangelag 12  
5531 XL Bladel - Nederland  
T +31 (0) 497-360241  
[info@haenenonderhoud.nl](mailto:info@haenenonderhoud.nl) - [www.haenenonderhoud.nl](http://www.haenenonderhoud.nl)

#### 1.4. Emergency telephone number

Emergency number : See Section 1.3; Only during office hours

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Israel	Israel Poison Information Center Rambam Health Care Campus	6 Ha'Aliya Street 31096 Haifa	+972 4 854 1900	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	

### SECTION 2: Hazards identification

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

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation, Category 1 H318  
Specific target organ toxicity (repeated exposure) Not classified Multicomponent liquid  
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412  
Full text of H statements : see section 16

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### Adverse physicochemical, human health and environmental effects

Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS05

Signal word (CLP)

: Danger

Hazardous ingredients

: METHYLCHLOROISOTHIAZOLINONE; METHYLISOTHIAZOLINONE; TRIDECETH-5; TRIDECETH-8

Hazard statements (CLP)

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

Precautionary statements (CLP)

: P102 - Keep out of reach of children.  
P280 - Wear eye protection.  
P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER, a doctor.  
P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

EUH-statements

: EUH208 - Contains TERPINOLENE, METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE. May produce an allergic reaction.

Intended for general public

Child-resistant fastening

: Not applicable

Tactile warning

: Not applicable

### 2.3. Other hazards

Other hazards not contributing to the classification

: None under normal conditions. The information in this section applies to the undiluted product.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	Conc. (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Quartz(SiO <sub>2</sub> ) (INCI: QUARTZ)	(CAS-No.) 14808-60-7 (EC-No.) 238-878-4	30 – 100	STOT RE 2, H373
Aluminium oxide (INCI: ALUMINA) substance with national workplace exposure limit(s) (GB, IE)	(CAS-No.) 1344-28-1 (EC-No.) 215-691-6 (REACH-no) 01-2119529248-35	5 – 10	Not classified
Citric acid (INCI: CITRIC ACID)	(CAS-No.) 77-92-9 (EC-No.) 201-069-1 (REACH-no) 01-2119457026-42	1 – 5	Acute Tox. 4 (Dermal), H312 Eye Irrit. 2, H319
Alcohol(C13)EO(2-5) (Isotridecanol,ethoxylated) (INCI: TRIDECETH-5)	(CAS-No.) 69011-36-5 (EC-No.) POLYMER	1 – 5	Eye Dam. 1, H318 Aquatic Chronic 3, H412
Alcohol(C13)EO(>5-10) (Isotridecanol ethoxylated) (INCI: TRIDECETH-8)	(CAS-No.) 24938-91-8 (EC-No.) POLYMER	1 – 5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412
p-Mentha-1,4-diene (INCI: TERPINOLENE)	(CAS-No.) 586-62-9 (EC-No.) 209-578-0 (REACH-no) 01-2119982325-32	0,1 – 1	Flam. Liq. 3, H226 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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5-chloro-2-methyl-4-isothiazoline-3-one(MCI)(KathonCG) (INCI: METHYLCHLOROISOTHIAZOLINONE) (Active substance (Biocide))	(CAS-No.) 26172-55-4 (EC-No.) 247-500-7	< 0,1	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410
2-Methyl-4-isothiazolin-3-one(MI) (INCI: METHYLISOTHIAZOLINONE) (Active substance (Biocide))	(CAS-No.) 2682-20-4 (EC-No.) 220-239-6	< 0,1	Acute Tox. 3 (Oral), H301 Acute Tox. Not classified (Dermal) Acute Tox. 2 (Inhalation:vapour), H330 Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE Not classified Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410

### Specific concentration limits:

Name	Product identifier	Specific concentration limits
5-chloro-2-methyl-4-isothiazoline-3-one(MCI)(KathonCG) (INCI: METHYLCHLOROISOTHIAZOLINONE) (Active substance (Biocide))	(CAS-No.) 26172-55-4 (EC-No.) 247-500-7	( 0,0015 ≤C < 100) Skin Sens. 1, H317 ( 0,06 ≤C < 100) Skin Irrit. 2, H315 ( 0,06 ≤C < 100) Eye Irrit. 2, H319 ( 0,6 ≤C < 100) Skin Corr. 1B, H314
2-Methyl-4-isothiazolin-3-one(MI) (INCI: METHYLISOTHIAZOLINONE) (Active substance (Biocide))	(CAS-No.) 2682-20-4 (EC-No.) 220-239-6	( 0,0015 ≤C < 100) Skin Sens. 1, H317

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/effects	: Causes damage to organs.
Symptoms/effects after inhalation	: Inhalation unlikely. Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact	: The product is not considered to be irritating to the skin. May cause slight irritation to the skin. May cause an allergic skin reaction. Redness. Itching.
Symptoms/effects after eye contact	: Risk of serious damage to eyes. Blurred vision. Burning sensation. Redness, pain.
Symptoms/effects after ingestion	: May cause irritation of the linings of the mouth, throat, and gastrointestinal tract.

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

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

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

Fire hazard	: Not combustible.
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### 5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Material spilled on hard surface can present a serious slipping/falling hazard.

##### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Do not flush into surface water. Avoid release to the environment.

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

Methods for cleaning up : Dispose in a safe manner in accordance with local/national regulations. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Dispose of in accordance with relevant local regulations. Wash away remainder with plenty of water.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Normal precautions for the use of chemicals and cleaners should be taken care of. See information supplied by the manufacturer. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

Hygiene measures : Do not eat, drink or smoke when using this product.

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

Storage conditions : Keep only in the original container in a cool, well ventilated place. Keep container tightly closed. Protect from freezing.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

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

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Quartz(SiO<sub>2</sub>) (INCI: QUARTZ) (14808-60-7)

##### EU - Occupational Exposure Limits

Local name	Silica crystalline (Quartz)
Notes	(Year of adoption 2003)
Regulatory reference	SCOEL Recommendations

##### Ireland - Occupational Exposure Limits

Local name	Quartz, respirable dust, (see Silica, crystalline)
OEL (8 hours ref) (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup>
Regulatory reference	Code of Practice for the Chemical Agents Regulations 2016

##### United Kingdom - Occupational Exposure Limits

Local name	Silica
WEL TWA (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup> respirable crystalline
Regulatory reference	EH40. HSE

##### Aluminium oxide (INCI: ALUMINA) (1344-28-1)

##### Ireland - Occupational Exposure Limits

Local name	Aluminium oxides
OEL (8 hours ref) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> total inhalable dust 4 mg/m <sup>3</sup> respirable dust
Regulatory reference	Code of Practice for the Chemical Agents Regulations 2016

##### United Kingdom - Occupational Exposure Limits

Local name	Aluminium oxides
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WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> inhalable dust 4 mg/m <sup>3</sup> respirable dust
Regulatory reference	EH40. HSE

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#### DNEL/DMEL (additional information)

See [http://www.dguv.de/ifa/de/gestis/limit\\_values/index.jsp](http://www.dguv.de/ifa/de/gestis/limit_values/index.jsp): Information on ingredients.

#### Citric acid (INCI: CITRIC ACID) (77-92-9)

##### PNEC (Water)

PNEC aqua (freshwater) 0,44 mg/l

PNEC aqua (marine water) 0,044 mg/l

##### PNEC (Sediment)

PNEC sediment (freshwater) 3,46 mg/kg dwt

PNEC sediment (marine water) 34,6 mg/kg dwt

##### PNEC (Soil)

PNEC soil 33,1 mg/kg dwt

##### PNEC (STP)

PNEC sewage treatment plant 1000 mg/l

#### Terpene oil (INCI: TERPINEOL) (8000-41-7)

##### DNEL/DMEL (Workers)

Acute - systemic effects, dermal 5 mg/kg bodyweight/day

Acute - systemic effects, inhalation 5,8 mg/m<sup>3</sup>

Long-term - systemic effects, dermal 1,17 mg/kg bodyweight/day

Long-term - systemic effects, inhalation 5,8 mg/m<sup>3</sup>

##### DNEL/DMEL (General population)

Acute - systemic effects, dermal 2,5 mg/kg bodyweight

Acute - systemic effects, inhalation 1,25

Acute - systemic effects, oral 2,5 mg/kg bodyweight

Long-term - systemic effects, oral 0,42 mg/kg bodyweight/day

Long-term - systemic effects, inhalation 1,25 mg/m<sup>3</sup>

Long-term - systemic effects, dermal 0,42 mg/kg bodyweight/day

##### PNEC (Water)

PNEC aqua (freshwater) 0,062 mg/l

PNEC aqua (marine water) 0,0062 mg/l

##### PNEC (Sediment)

PNEC sediment (freshwater) 0,442 mg/kg dwt

PNEC sediment (marine water) 0,0442 mg/kg dwt

##### PNEC (Soil)

PNEC soil 0,052 mg/kg dwt

##### PNEC (STP)

PNEC sewage treatment plant 2,57 mg/l

## 8.2. Exposure controls

### Personal protective equipment:

Avoid contact with skin, eyes and clothing. Avoid all unnecessary exposure. Eye protection. Safety glasses.

### Hand protection:

Not required

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### Eye protection:

Wear eyeface protection. Chemical goggles or safety glasses. Standard. EN 166

### Skin and body protection:

If repeated skin contact or contamination of clothing is likely, protective clothing should be worn

### Respiratory protection:

No special protection required where adequate ventilation is maintained

### Personal protective equipment symbol(s):



### Other information:

Do not eat, drink or smoke when using this product. The information in this section applies to the undiluted product.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Turbid. white.
Odour	: perfumed. slight.
Odour threshold	: No data available
pH	: 2,4 (20°C)
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: $\geq 100$ °C
Flash point	: $> 60$ °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1,42 g/cm <sup>3</sup> (20°C)
Solubility	: Miscible with water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: 51408,451 mm <sup>2</sup> /s
Viscosity, dynamic	: 73000 mPa·s (20°C)
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions.

### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Not established.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

#### Quartz(SiO<sub>2</sub>) (INCI: QUARTZ) (14808-60-7)

LD50 oral	500 mg/kg bodyweight
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#### Aluminium oxide (INCI: ALUMINA) (1344-28-1)

LD50 oral	> 10000 mg/kg bodyweight
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 2300 mg/l/4h

#### Alcohol(C13)EO(2-5) (Isotridecanol,ethoxylated) (INCI: TRIDECETH-5) (69011-36-5)

LD50 oral rat	> 300 mg/kg
LD50 dermal rat	> 2000 mg/kg

#### Citric acid (INCI: CITRIC ACID) (77-92-9)

LD50 oral rat	3000 – 5400 mg/kg
LD50 oral	11700 mg/kg bodyweight
LD50 dermal rat	2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LD50 dermal	> 2000 mg/kg bodyweight

#### Alcohol(C13)EO(>5-10) (Isotridecanol ethoxylated) (INCI: TRIDECETH-8) (24938-91-8)

LD50 oral rat	500 – 2000 mg/kg
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#### p-Mentha-1,4-diene (INCI: TERPINOLENE) (586-62-9)

LD50 oral rat	3750 – 4390 mg/kg
LD50 dermal rabbit	> 5000 mg/kg

#### 5-chloro-2-methyl-4-isothiazoline-3-one(MCI)(KathonCG) (INCI: METHYLCHLOROISOTHIAZOLINONE) (26172-55-4)

LD50 oral rat	457 mg/kg (CIT/MIT)
LD50 oral	481 mg/kg bodyweight
LD50 dermal rabbit	660 mg/kg (CIT/MIT)
LD50 dermal	> 1008 mg/kg bodyweight
LC50 inhalation rat (mg/l)	2,36 mg/l/4h (CIT/MIT)
LC50 inhalation rat (Dust/Mist - mg/l/4h)	1230 mg/m <sup>3</sup>

#### 2-Methyl-4-isothiazolin-3-one(MI) (INCI: METHYLISOTHIAZOLINONE) (2682-20-4)

LD50 oral rat	120 – 285 mg/kg
LD50 dermal rat	> 2000 mg/kg
LD50 dermal rabbit	660 mg/kg (CIT/MIT)
LD50 dermal	242 mg/kg (Rabbit, female)
LC50 inhalation rat (mg/l)	0,11 – 0,384 mg/l/4h (OECD 403)

Skin corrosion/irritation : Not classified  
pH: 2,4 (20°C)

Additional information : Based on available data, the classification criteria are not met  
Serious eye damage/irritation : Causes serious eye damage.  
pH: 2,4 (20°C)

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Respiratory or skin sensitisation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified (Multicomponent liquid).
Additional information	: Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met

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Viscosity, kinematic	51408,451 mm <sup>2</sup> /s
Potential adverse human health effects and symptoms	: With the product as such no toxicological tests have been done. According to the criteria of art. 3 from (EC) Nr. 1272/2008 [CLP] this product is classified as mentioned in section 2. Components that are toxic are mentioned in section 3.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: With the product as such no ecological tests have been done. According to the criteria of art. 3 from (EC) Nr. 1272/2008 [CLP] this product is classified concerning the environment as mentioned in section 2. Components that are dangerous to the environment are mentioned in section 3. Harmful to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.

### Alcohol(C13)EO(2-5) (Isotridecanol,ethoxylated) (INCI: TRIDECETH-5) (69011-36-5)

LC50 fish 1	1 – 10 mg/l (96h, Leuciscus idus)
EC50 Daphnia 1	1 – 10 mg/l (48h, OECD 202)
EC50 72h algae (1)	1 – 10 mg/l (72h)
NOEC chronic fish	> 0,1 mg/l (0,1 - 1 mg/l)

### Citric acid (INCI: CITRIC ACID) (77-92-9)

LC50 fish 1	> 400 mg/l (96h, Leusiscus idus)
LC50 fish 2	440 mg/l (48h)
EC50 Daphnia 1	1535 mg/l (48H)
EC50 other aquatic organisms 1	85 mg/l
EC50 other aquatic organisms 2	IC50 algea (72 h) mg/l
EC50 72h algae (1)	425 mg/l (72h)

### Alcohol(C13)EO(>5-10) (Isotridecanol ethoxylated) (INCI: TRIDECETH-8) (24938-91-8)

LC50 fish 1	7,5 mg/l (96h, Lepomis macrochirus)
LC50 fish 2	12 mg/l (96h, Brachydanio rerio)
EC50 Daphnia 1	4,7 mg/l 48h)
EC50 72h algae (1)	17 mg/l (72h, Scenedesmus subspicatus)

### p-Mentha-1,4-diene (INCI: TERPINOLENE) (586-62-9)

LC50 fish 1	0,763 mg/l (96h, Pimephales promelas)
EC50 Daphnia 1	0,138 mg/l (48h)



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LC50 fish 1	0,19 mg/l (96h, Oncorhynchus mykiss,mixture 5-chloor-2- methyl-2H-isothiazool-3-on (CAS 26172-55-4) and 2- methyl-2H-isothiazool-3-on (CAS 2682-20-4)) )
EC50 Daphnia 1	0,16 mg/l (48h, mixture 5-chloor-2- methyl-2H-isothiazool-3-on (CAS 26172-55-4) and 2-methyl-2H-isothiazool-3-on (CAS 2682-20-4))
EC50 Daphnia 2	0,1 (48h, mixture 5-chloor-2- methyl-2H-isothiazool-3-on (CAS 26172-55-4) and 2- methyl-2H-isothiazool-3-on (CAS 2682-20-4))
EC50 other aquatic organisms 1	0,0052 mg/l (478h, Skeletonema costatum, OECD 201)
EC50 72h algae (1)	0,018 mg/l (Algae, EC50, 72h, Scenedesmus capricornutum,mixture 5-chloor-2- methyl-2H-isothiazool-3-on (CAS 26172-55-4) and 2-methyl-2H-isothiazool-3-on (CAS 2682-20-4))
EC50 72h algae (2)	0,048 mg/l (Algae, EC50, 72h, Scenedesmus capricornutum,mixture 5-chloor-2- methyl-2H-isothiazool-3-on (CAS 26172-55-4) and 2-methyl-2H-isothiazool-3-on (CAS 2682-20-4))
NOEC chronic fish	0,098 mg/l (28d, Oncorhynchus mykiss, OECD 210)
NOEC chronic crustacea	0,004 mg/l (21d, Daphnia magna, OECD 211)
NOEC chronic algae	0,0012 mg/l

<b>2-Methyl-4-isothiazolin-3-one(MI) (INCI: METHYLISOTHIAZOLINONE) (2682-20-4)</b>	
LC50 fish 1	4,77 – 6 mg/l (96h, Oncorhynchus mykiss, OECD 203)
LC50 fish 2	(0.28 mg/l, 96h, Lepomis macrochirus, mixture 5-chloor-2-methyl-2H-isothiazool-3-on (CAS 26172-55-4) and 2- methyl-2H-isothiazool-3-on (CAS 2682-20-4))
EC50 Daphnia 1	0,93 – 1,9 mg/l (48h, OECD 202)
EC50 Daphnia 2	1,68 mg/l (48h, OECD 202)
EC50 72h algae (1)	0,158 mg/l (72h, Selenastrum capricornutum, OECD 201)
EC50 72h algae (2)	(0.18 mg/l, Algae, EC50, 72h, Scenedesmus capricornutum, mixture 5-chloor-2- methyl-2H-isothiazool-3-on (CAS 26172-55-4) and 2-methyl-2H-isothiazool-3-on (CAS 2682-20-4))
NOEC (chronic)	0,04 – 0,55 mg/l (21d, Daphnia magna, OECD 211)
NOEC chronic fish	2,38 mg/l (28d, Pimephales promelas, OECD 210)
NOEC chronic algae	0,03 (72h, Pseudokirchneriella subcapitata, OECD 201)

### 12.2. Persistence and degradability

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Persistence and degradability	Not established. 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.
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#### Alcohol(C13)EO(2-5) (Isotridecanol,ethoxylated) (INCI: TRIDECETH-5) (69011-36-5)

Chemical oxygen demand (COD)	2,595 g O <sub>2</sub> /g substance
Biodegradation	> 60 % (28 d, OECD301B; ISO 9439; 92/69/EEG, C.4-C; 648/2004) / >= 90% bismuth-active substance (OECD 303A)

#### Alcohol(C13)EO(>5-10) (Isotridecanol ethoxylated) (INCI: TRIDECETH-8) (24938-91-8)

Persistence and degradability	Readily biodegradable.
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#### 2-Methyl-4-isothiazolin-3-one(MI) (INCI: METHYLISOTHIAZOLINONE) (2682-20-4)

Biodegradation	> 70 % (OECD 309)
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### 12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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### Quartz(SiO<sub>2</sub>) (INCI: QUARTZ) (14808-60-7)

Partition coefficient n-octanol/water (Log Kow) 0,53

### Aluminium oxide (INCI: ALUMINA) (1344-28-1)

Partition coefficient n-octanol/water (Log Kow) -0,83

### Alcohol(C13)EO(2-5) (Isotridecanol,ethoxylated) (INCI: TRIDECETH-5) (69011-36-5)

Partition coefficient n-octanol/water (Log Kow) 3,59

### Citric acid (INCI: CITRIC ACID) (77-92-9)

Partition coefficient n-octanol/water (Log Pow) -1,64

Partition coefficient n-octanol/water (Log Kow) -1,64 (-1,8 – -0,2)

### Alcohol(C13)EO(>5-10) (Isotridecanol ethoxylated) (INCI: TRIDECETH-8) (24938-91-8)

Partition coefficient n-octanol/water (Log Kow) 3,89

### p-Mentha-1,4-diene (INCI: TERPINOLENE) (586-62-9)

Partition coefficient n-octanol/water (Log Kow) 4,88

### 5-chloro-2-methyl-4-isothiazoline-3-one(MCI)(KathonCG) (INCI: METHYLCHLOROISOTHIAZOLINONE) (26172-55-4)

Partition coefficient n-octanol/water (Log Kow) 0,401

### 2-Methyl-4-isothiazolin-3-one(MI) (INCI: METHYLISOTHIAZOLINONE) (2682-20-4)

Bioconcentration factor (BCF REACH) 3,16

Partition coefficient n-octanol/water (Log Kow) ≤ 0,05 (OECD 117 LogKow (HPLC Method))

#### 12.4. Mobility in soil

No additional information available

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

No additional information available

#### 12.6. Other adverse effects

Additional information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

Product/Packaging disposal recommendations : This material and its container must be disposed of in a safe way, and as per local legislation. Product as it is : Chemical refuse, To be disposed of as hazardous waste. Empty containers can be dumped after cleaning according to local legislation. Recycling is preferred to disposal or incineration. Empty the packaging completely prior to disposal. Flush residue with large amounts of water.

Ecology - waste materials : Avoid release to the environment.

European List of Waste (LoW) code : 20 01 29\* - detergents containing dangerous substances

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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### 14.3. Transport hazard class(es)

Not applicable

Not applicable

Not applicable

Not applicable

Not applicable

### 14.4. Packing group

Not applicable

Not applicable

Not applicable

Not applicable

Not applicable

### 14.5. Environmental hazards

Dangerous for the environment : No

Dangerous for the environment : No  
Marine pollutant : No

Dangerous for the environment : No

Dangerous for the environment : No

Dangerous for the environment : No

No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

No data available

#### Transport by sea

No data available

#### Air transport

No data available

#### Inland waterway transport

No data available

#### Rail transport

No data available

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

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Allergenic fragrances > 0,01%:

(R)-p-mentha-1,8-diene (D-Limonene) (INCI: D-LIMONENE)

Detergent Regulation (648/2004/EC): Labelling of contents:

Component	%
non-ionic surfactants	<5%
METHYLCHLOROISOTHIAZOLINONE	
METHYLISOTHIAZOLINONE	
perfumes	
D-LIMONENE	

#### Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products.

This product contains biocidal products

Type of product (Biocide)

Contains : METHYLCHLOROISOTHIAZOLINONE; METHYLISOTHIAZOLINONE

#### 15.1.2. National regulations

No additional information available

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### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

Raw materials information section 3.

See <http://esis.jrc.ec.europa.eu/index.php?PGM=dat> : Information on ingredients.

Health hazards

See Section 2 & 3 & 11.

Physical hazards

See Section 2 & 10.

Environmental hazards

See Section 2 & 3 & 12.

### SECTION 16: Other information

#### Indication of changes:

Section	Changed item	Change	Comments
1.2	Relevant identified uses	Modified	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.2	Labelling according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
3.2	Composition/information on ingredients	Modified	
4.2	Most important symptoms and effects, both acute and delayed	Modified	
8.1	Occupational Exposure Limits	Modified	
11.1	Information on toxicological effects	Modified	
12.1	Ecological information	Modified	
15.1	Detergent Regulation : Labelling of contents	Modified	

#### Abbreviations and acronyms:

	ABM: Algemene Beoordelings Methodiek (NL) / ADR: Accord Européen relatif au transport international des marchandises dangereuses par route) / ALG: Allergen / AQTX: Aquatic Toxicity / Atm: Atmosphere (unit of pressure) / bw: bodyweight / C: Ceiling / CAR:\Carcinogenic Effects / CAS No: Chemical Abstracts Service Number (see ACS – American Chemical Society) / CMRs: Carcinogenic, Mutagenic or toxic to Reproduction (substances) / CSR: Chemical Safety Report / Cc (cm3): Cubic Centimeter / DNEL: Derived No-Effect Level / EC50: half maximal effective concentration / ED50: Effective Dose 50 / ET50: Exposure Time 50 / I.V.: Intravenous / Kg: Kilogram / LC: Lethal Concentration / LC50: Median Lethal Concentration / LCLO: Lowest Lethal Airborne Concentration Tested (see also LC50, LD50) / LD: Lethal Dose / LD50: Median Lethal Dose LDLO: Lowest Lethal Dose Tested (see also LC50, LD50) / MAC: Maximum Allowable Concentration / MAK: Maximale Arbeitsplatz-Konzentration (Germany, Maximum Workplace Concentration, see OEL) / MSDS: Material Safety Data Sheet / NOEL: No Observed Adverse Effect Level / NOEL: No Observable Effect Level / OEL: Occupational Exposure Limits / PBTs: Persistent, Bioaccumulative and Toxic substances / PEC: Predicted Environmental Concentration / PNEC: Predicted No-Effect Concentration / REACH: Registration, Evaluation, Authorisation and Restriction of Chemical substances / STEL: Short-Term Exposure Limit / STEV: Short-Term Exposure Value / STP: Sewage Treatment Plant TLM: Threshold Limit, Median / TLV-C: Threshold Limit Value-Ceiling / TLV@: Threshold Limit Value / TWA: Time-Weighted Average / WGK: Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act) / g/gms: Grams / kJ/mol: Kilojoules per mole / kPa: KiloPascal (unit of pressure) / m3: Cubic Meter / mg: Milligram / ml: Milliliter / ml Hg: Milliliters of Mercury / n.o.s.: Not Otherwise Specified / nm: nanometer / ppb: Parts Per Billion / pph: parts per hundred (= percent) / ppm: Parts Per Million / ppt: parts per trillion / vPvBs: Very Persistent and Very Bioaccumulative substances
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Data sources

: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information

: None. DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

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Full text of H- and EUH-statements:	
Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 2 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Acute Tox. Not classified (Dermal)	Acute toxicity (dermal) Not classified
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT RE Not classified	Specific target organ toxicity (repeated exposure) Not classified
STOT SE Not classified	Specific target organ toxicity (single exposure) Not classified
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains TERPINOLENE, METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE. May produce an allergic reaction.
Full text of use descriptors	
AISE SPERC 8a.1.a.v2	Wide Dispersive Use in 'Down the Drain' cleaning and maintenance products (Consumers and Professionals)
ERC8a	Wide dispersive indoor use of processing aids in open systems
PC35	Washing and cleaning products (including solvent based products)

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PROC10	Roller application or brushing
PROC19	Manual activities involving hand contact
SU21	Consumer uses: Private households (= general public = consumers)
SU22	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*