

Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

NT-VRL 1

Version number: GHS 1.0

Date of compilation: 2026-08-25

SECTION 1: Identification

1.1 Product identifier

Trade name **NT-VRL 1**
Alternative number(s) 11-01-9999

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

Relevant identified uses General use
Uses advised against Do not use for squirting or spraying. Do not use for products which come into direct contact with the skin.

1.3 Details of the supplier of the safety data sheet

Eybna Technologies Ltd
1 HaYozma St.
4442214 Kfar Saba
Israel

Telephone: +972 3 3741976
e-mail: info@eybna.com
Website: <http://www.eybna.com/>

e-mail (competent person) Gil.ts@eybna.com (Gil Tsapovetsky)

1.4 Emergency telephone number

Emergency information service This number is only available during the following office hours: Mon-Fri 09:00 AM - 05:00 PM

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section	Hazard class	Category	Hazard class and category	Hazard statement
A.1O	acute toxicity (oral)	4	Acute Tox. 4	H302
A.2	skin corrosion/irritation	1B	Skin Corr. 1B	H314
A.3	serious eye damage/eye irritation	1	Eye Dam. 1	H318
A.4R	respiratory sensitization	1	Resp. Sens. 1	H334
A.4S	skin sensitization	1	Skin Sens. 1	H317
A.6	carcinogenicity	2	Carc. 2	H351
A.8R	specific target organ toxicity - single exposure (respiratory tract irritation)	3	STOT SE 3	H335
B.6	flammable liquid	3	Flam. Liq. 3	H226

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

Skin corrosion produces an irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis. The product is combustible and can be ignited by potential ignition sources.

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2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word danger

- Pictograms

GHS02, GHS05,
GHS07, GHS08



- Hazard statements

H226	Flammable liquid and vapor.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.

- Precautionary statements

P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dusts or mists.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/eye protection/face protection.
P285	In case of inadequate ventilation wear respiratory protection.
P301+P330+P331	If swallowed: Rinse mouth. Do NOT induce vomiting.
P302+P352	If on skin: Wash with plenty of water.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	If inhaled: Remove person to fresh air and keep comfortable for breathing.
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.
P321	Specific treatment (see on this label).
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to industrial combustion plant.

- Hazardous ingredients for labelling

Citral, Alpha-Phellandrene, Myrcene, Carvacrol, Alpha-Pinene, Santalol, L-Carvone, (R)-p-mentha-1,8-diene, linalool, Glycyrrhizic Acid, Alpha-Terpinene, Borneol, Beta-Pinene

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2.3 Other hazards

Hazards not otherwise classified

Toxic to aquatic life with long lasting effects (GHS category 2: aquatic toxicity - acute and/or chronic).

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0.1\%$.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0.1\%$.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
Alpha-Pinene	CAS No 7785-26-4	10 – < 25	Acute Tox. 4 / H302 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1 / H317 STOT SE 3 / H335 Flam. Liq. 3 / H226	 
Eucalyptol	CAS No 470-82-6	10 – < 25	Flam. Liq. 3 / H226	
Beta-Caryophyllene	CAS No 87-44-5	10 – < 25	Acute Tox. 4 / H302	
Citral	CAS No 5392-40-5	10 – < 25	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1 / H317	
Alpha-Phellandrene	CAS No 99-83-2 499-83-2	5 – < 10	Acute Tox. 4 / H302 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Resp. Sens. 1 / H334 STOT SE 3 / H335 Flam. Liq. 3 / H226	  
Caryophyllene Oxide	CAS No 1139-30-6	5 – < 10	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319	
Gamma-Terpinene	CAS No 99-85-4	5 – < 10	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 STOT SE 3 / H335 Flam. Liq. 3 / H226	 
Thymol	CAS No 89-83-8	5 – < 10	Acute Tox. 4 / H302 Skin Corr. 1B / H314	 
Santalol	CAS No 11031-45-1	5 – < 10	Acute Tox. 4 / H302 Skin Irrit. 2 / H315 Eye Irrit. 2B / H320 Skin Sens. 1 / H317	
Carvacrol	CAS No 499-75-2	5 – < 10	Acute Tox. 4 / H302 Skin Corr. 1B / H314 Eye Dam. 1 / H318	 

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Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
Myrcene	CAS No 123-35-3	1 – < 5	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Carc. 2 / H351 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226	  
Beta-Pinene	CAS No 127-91-3 18172-67-3	1 – < 5	Acute Tox. 4 / H302 Acute Tox. 4 / H312 Acute Tox. 4 / H332 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1B / H317 STOT SE 3 / H335 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226	  
Sabinene	CAS No 3387-41-5	1 – < 5	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 STOT SE 3 / H335 Flam. Liq. 3 / H226	 
Alpha-Terpinene	CAS No 99-86-5	1 – < 5	Acute Tox. 4 / H302 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1B / H317 STOT SE 3 / H335 Flam. Liq. 3 / H226	 
p-cymene	CAS No 99-87-6	1 – < 5	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 STOT SE 3 / H335 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226	  
(R)-p-mentha-1,8-diene	CAS No 5989-27-5 68606-81-5	1 – < 5	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1 / H317 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226	  
Beta-Ocimene	CAS No 13877-91-3	1 – < 5	Flam. Liq. 3 / H226	
linalool	CAS No 78-70-6	1 – < 5	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1B / H317 STOT SE 3 / H335 Flam. Liq. 4 / H227	
Borneol	CAS No 507-70-0	1 – < 5	Acute Tox. 4 / H302 Skin Sens. 1 / H317 Flam. Sol. 1 / H228	 
Terpineol	CAS No 98-55-5 118-60-5	1 – < 5	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 STOT SE 3 / H335	
Alpha-Humulene	CAS No 6753-98-6	1 – < 5	Acute Tox. 4 / H302	
d-Camphor	CAS No 76-22-2	1 – < 5	Acute Tox. 4 / H302 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 STOT SE 3 / H335 Flam. Sol. 1 / H228	 
L-menthol	CAS No 2216-51-5	1 – < 5	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319	

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Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
L-Carvone	CAS No 6485-40-1 99-49-0	1 – < 5	Skin Sens. 1 / H317 Flam. Liq. 4 / H227	
Cadinene	CAS No 29350-73-0	1 – < 5	Acute Tox. 4 / H302	
Glycyrrhizic Acid	CAS No 1405-86-3	1 – < 5	Acute Tox. 4 / H302 Skin Irrit. 2 / H315 Eye Irrit. 2B / H320 Skin Sens. 1 / H317	

Remarks

For full text of abbreviations: see SECTION 16

SECTION 4: First-aid measures

4.1 Description of first-aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO2)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

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Hazardous combustion products

Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

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7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Use local and general ventilation. Ground/bond container and receiving equipment.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Notation	Source
US	β-pinene	127-91-3	TLV®	20							ACGIH® 2024
US	citral	5392-40-5	TLV®	5						iv, H	ACGIH® 2024
US	camphor	76-22-2	PEL (CA)		2					synthetic	Cal/ OSHA PEL
US	camphor	76-22-2	REL		2 (10 h)					synthetic	NIOSH REL
US	camphor	76-22-2	TLV®	2		3				synthetic	ACGIH® 2024
US	camphor	76-22-2	PEL		2					synthetic	29 CFR 1910.10 00

Notation

Ceiling-C

H

iv

STEL

synthetic

TWA

ceiling value is a limit value above which exposure should not occur absorbed through the skin

inhalable fraction and vapor

short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

synthetic

time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours

time-weighted average (unless otherwise specified)

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Relevant DNELs of components						
Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Eucalyptol	470-82-6	DNEL	7.05 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Eucalyptol	470-82-6	DNEL	2 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Citral	5392-40-5	DNEL	9 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Citral	5392-40-5	DNEL	1.7 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Citral	5392-40-5	DNEL	140 µg/cm ²	human, dermal	worker (industry)	chronic - local effects
Alpha-Pinene	7785-26-4	DNEL	3.8 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Alpha-Pinene	7785-26-4	DNEL	0.542 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Gamma-Terpinene	99-85-4	DNEL	2.939 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Gamma-Terpinene	99-85-4	DNEL	0.833 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
d-Camphor	76-22-2	DNEL	17.63 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
d-Camphor	76-22-2	DNEL	10 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
(R)-p-mentha-1,8-diene	5989-27-5 68606-81-5	DNEL	66.7 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
(R)-p-mentha-1,8-diene	5989-27-5 68606-81-5	DNEL	9.5 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Terpineol	98-55-5 118-60-5	DNEL	9.03 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Terpineol	98-55-5 118-60-5	DNEL	158 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
linalool	78-70-6	DNEL	2.8 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
linalool	78-70-6	DNEL	16.5 mg/m ³	human, inhalatory	worker (industry)	acute - systemic effects
linalool	78-70-6	DNEL	2.5 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
linalool	78-70-6	DNEL	5 mg/kg bw/day	human, dermal	worker (industry)	acute - systemic effects
Borneol	507-70-0	DNEL	17.63 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Borneol	507-70-0	DNEL	10 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Beta-Pinene	127-91-3 18172-67-3	DNEL	5.69 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Beta-Pinene	127-91-3 18172-67-3	DNEL	0.8 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

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Relevant DNELs of components

Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Beta-Pinene	127-91-3 18172-67-3	DNEL	54 µg/cm ²	human, dermal	worker (industry)	chronic - local effects
L-menthol	2216-51-5	DNEL	132 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
L-menthol	2216-51-5	DNEL	10 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
L-menthol	2216-51-5	DNEL	10 mg/m ³	human, inhalatory	worker (industry)	acute - local effects
L-menthol	2216-51-5	DNEL	19 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

Relevant PNECs of components

Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
Eucalyptol	470-82-6	PNEC	57 µg/l	aquatic organisms	freshwater	short-term (single instance)
Eucalyptol	470-82-6	PNEC	5.7 µg/l	aquatic organisms	marine water	short-term (single instance)
Eucalyptol	470-82-6	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Eucalyptol	470-82-6	PNEC	1.425 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Eucalyptol	470-82-6	PNEC	0.142 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Eucalyptol	470-82-6	PNEC	0.25 mg/kg	terrestrial organisms	soil	short-term (single instance)
Citral	5392-40-5	PNEC	0.007 mg/l	aquatic organisms	freshwater	short-term (single instance)
Citral	5392-40-5	PNEC	0.001 mg/l	aquatic organisms	marine water	short-term (single instance)
Citral	5392-40-5	PNEC	1.6 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Citral	5392-40-5	PNEC	0.125 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Citral	5392-40-5	PNEC	0.013 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Citral	5392-40-5	PNEC	0.021 mg/kg	terrestrial organisms	soil	short-term (single instance)
Alpha-Pinene	7785-26-4	PNEC	0.606 µg/l	aquatic organisms	freshwater	short-term (single instance)
Alpha-Pinene	7785-26-4	PNEC	0.061 µg/l	aquatic organisms	marine water	short-term (single instance)
Alpha-Pinene	7785-26-4	PNEC	0.2 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Alpha-Pinene	7785-26-4	PNEC	157 µg/kg	aquatic organisms	freshwater sediment	short-term (single instance)

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Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
Alpha-Pinene	7785-26-4	PNEC	15.7 µg/kg	aquatic organisms	marine sediment	short-term (single instance)
Alpha-Pinene	7785-26-4	PNEC	31.7 µg/kg	terrestrial organisms	soil	short-term (single instance)
Gamma-Terpinene	99-85-4	PNEC	0.003 mg/l	aquatic organisms	freshwater	short-term (single instance)
Gamma-Terpinene	99-85-4	PNEC	0 mg/l	aquatic organisms	marine water	short-term (single instance)
Gamma-Terpinene	99-85-4	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Gamma-Terpinene	99-85-4	PNEC	0.49 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Gamma-Terpinene	99-85-4	PNEC	0.049 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Gamma-Terpinene	99-85-4	PNEC	0.423 mg/kg	terrestrial organisms	soil	short-term (single instance)
d-Camphor	76-22-2	PNEC	1.71 µg/l	aquatic organisms	freshwater	short-term (single instance)
d-Camphor	76-22-2	PNEC	0.171 µg/l	aquatic organisms	marine water	short-term (single instance)
d-Camphor	76-22-2	PNEC	1 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
d-Camphor	76-22-2	PNEC	0.139 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
d-Camphor	76-22-2	PNEC	0.017 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
d-Camphor	76-22-2	PNEC	0.013 mg/kg	terrestrial organisms	soil	short-term (single instance)
(R)-p-mentha-1,8-diene	5989-27-5 68606-81-5	PNEC	14 µg/l	aquatic organisms	freshwater	short-term (single instance)
(R)-p-mentha-1,8-diene	5989-27-5 68606-81-5	PNEC	1.4 µg/l	aquatic organisms	marine water	short-term (single instance)
(R)-p-mentha-1,8-diene	5989-27-5 68606-81-5	PNEC	1.8 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
(R)-p-mentha-1,8-diene	5989-27-5 68606-81-5	PNEC	3.85 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
(R)-p-mentha-1,8-diene	5989-27-5 68606-81-5	PNEC	0.385 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
(R)-p-mentha-1,8-diene	5989-27-5 68606-81-5	PNEC	0.763 mg/kg	terrestrial organisms	soil	short-term (single instance)
Terpineol	98-55-5 118-60-5	PNEC	68 µg/l	aquatic organisms	freshwater	short-term (single instance)
Terpineol	98-55-5 118-60-5	PNEC	6.8 µg/l	aquatic organisms	marine water	short-term (single instance)

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Terpineol	98-55-5 118-60-5	PNEC	2.6 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Terpineol	98-55-5 118-60-5	PNEC	1.85 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Terpineol	98-55-5 118-60-5	PNEC	0.185 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Terpineol	98-55-5 118-60-5	PNEC	0.329 mg/kg	terrestrial organisms	soil	short-term (single instance)
linalool	78-70-6	PNEC	0.2 mg/l	aquatic organisms	freshwater	short-term (single instance)
linalool	78-70-6	PNEC	0.02 mg/l	aquatic organisms	marine water	short-term (single instance)
linalool	78-70-6	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
linalool	78-70-6	PNEC	2.22 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
linalool	78-70-6	PNEC	0.222 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
linalool	78-70-6	PNEC	0.327 mg/kg	terrestrial organisms	soil	short-term (single instance)
Borneol	507-70-0	PNEC	1.71 µg/l	aquatic organisms	freshwater	short-term (single instance)
Borneol	507-70-0	PNEC	0.171 µg/l	aquatic organisms	marine water	short-term (single instance)
Borneol	507-70-0	PNEC	1 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Borneol	507-70-0	PNEC	0.139 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Borneol	507-70-0	PNEC	0.017 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Borneol	507-70-0	PNEC	0.013 mg/kg	terrestrial organisms	soil	short-term (single instance)
Beta-Pinene	127-91-3 18172-67-3	PNEC	1.004 µg/l	aquatic organisms	freshwater	short-term (single instance)
Beta-Pinene	127-91-3 18172-67-3	PNEC	0.1 µg/l	aquatic organisms	marine water	short-term (single instance)
Beta-Pinene	127-91-3 18172-67-3	PNEC	3.26 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Beta-Pinene	127-91-3 18172-67-3	PNEC	0.337 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Beta-Pinene	127-91-3 18172-67-3	PNEC	0.034 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Beta-Pinene	127-91-3 18172-67-3	PNEC	0.067 mg/kg	terrestrial organisms	soil	short-term (single instance)

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Relevant PNECs of components						
Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
L-menthol	2216-51-5	PNEC	15.6 µg/l	aquatic organisms	freshwater	short-term (single instance)
L-menthol	2216-51-5	PNEC	1.56 µg/l	aquatic organisms	marine water	short-term (single instance)
L-menthol	2216-51-5	PNEC	2.37 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
L-menthol	2216-51-5	PNEC	289 µg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
L-menthol	2216-51-5	PNEC	28.9 µg/kg	aquatic organisms	marine sediment	short-term (single instance)
L-menthol	2216-51-5	PNEC	48.4 µg/kg	terrestrial organisms	soil	short-term (single instance)

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/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.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Color	not determined
Particle	not relevant (liquid)

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Odor	characteristic
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Other safety parameters

pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	154.3 °C at 1,010 hPa
Flash point	31 °C at 1 atm
Evaporation rate	Not determined
Flammability (solid, gas)	not relevant, (fluid)
Vapor pressure	8.7 kPa at 20 °C
Density	not determined
Vapor density	this information is not available
Relative density	Information on this property is not available
Solubility(ies)	not determined

Partition coefficient

- n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	225 °C (auto-ignition temperature (liquids and gases))
Viscosity	not determined
Explosive properties	none
Oxidizing properties	none

9.2 Other information

Liquid content	76 %
Solid content	24 %
Temperature class (USA, acc. to NEC 500)	T2D (maximum permissible surface temperature on the equipment: 215°C)

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SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains re-active substance(s). Risk of ignition.

If heated:

Risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

10.5 Incompatible materials

Oxidizers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute toxicity

Harmful if swallowed.

- Acute toxicity estimate (ATE)

Oral 1,034 mg/kg

Acute toxicity estimate (ATE) of components			
Name of substance	CAS No	Exposure route	ATE
Beta-Caryophyllene	87-44-5	oral	500 mg/kg
Alpha-Pinene	7785-26-4	oral	500 mg/kg
Carvacrol	499-75-2	oral	810 mg/kg
Santalol	11031-45-1	oral	500 mg/kg
Thymol	89-83-8	oral	980 mg/kg
Alpha-Phellandrene	99-83-2 499-83-2	oral	500 mg/kg

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Acute toxicity estimate (ATE) of components			
Name of substance	CAS No	Exposure route	ATE
d-Camphor	76-22-2	oral	500 mg/kg
Glycyrrhizic Acid	1405-86-3	oral	500 mg/kg
Alpha-Terpinene	99-86-5	oral	500 mg/kg
Borneol	507-70-0	oral	1,310 mg/kg
Alpha-Humulene	6753-98-6	oral	500 mg/kg
Beta-Pinene	127-91-3 18172-67-3	oral	500 mg/kg
Beta-Pinene	127-91-3 18172-67-3	dermal	1,100 mg/kg
Beta-Pinene	127-91-3 18172-67-3	inhalation: vapor	11 mg/l/4h
Cadinene	29350-73-0	oral	500 mg/kg

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitization

May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Suspected of causing cancer.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans			
Name of substance	CAS No	Classification	Number
Myrcene	123-35-3	2B	
(R)-p-mentha-1,8-diene	5989-27-5	3	

Legend

2B Possibly carcinogenic to humans
3 Not classifiable as to carcinogenicity in humans

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

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SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Eucalyptol	470-82-6	LC50	57 mg/l	fish	96 h
Eucalyptol	470-82-6	EC50	>100 mg/l	aquatic invertebrates	48 h
Eucalyptol	470-82-6	ErC50	>74 mg/l	algae	72 h
Citral	5392-40-5	LC50	6.78 mg/l	fish	96 h
Citral	5392-40-5	EC50	6.8 mg/l	aquatic invertebrates	48 h
Citral	5392-40-5	ErC50	103.8 mg/l	algae	72 h
Alpha-Pinene	7785-26-4	LC50	0.303 mg/l	fish	96 h
Alpha-Pinene	7785-26-4	EC50	0.475 mg/l	aquatic invertebrates	48 h
Carvacrol	499-75-2	LC50	6.96 mg/l	fish	24 h
Carvacrol	499-75-2	EC50	8.74 mg/l	aquatic invertebrates	24 h
Carvacrol	499-75-2	ErC50	4.05 mg/l	algae	72 h
Gamma-Terpinene	99-85-4	EC50	2.792 mg/l	fish	96 h
Thymol	89-83-8	LC50	3.2 mg/l	fish	96 h
Thymol	89-83-8	ErC50	14 mg/l	algae	72 h
Thymol	89-83-8	EC50	7.7 mg/l	algae	72 h
Alpha-Phellandrene	99-83-2 499-83-2	EC50	>100 mg/l	aquatic invertebrates	48 h
Alpha-Phellandrene	99-83-2 499-83-2	ErC50	107.6 mg/l	algae	72 h
d-Camphor	76-22-2	LC50	33.25 mg/l	fish	96 h
d-Camphor	76-22-2	EC50	4.23 mg/l	aquatic invertebrates	48 h
d-Camphor	76-22-2	ErC50	1.71 mg/l	algae	72 h
Myrcene	123-35-3	EC50	1.47 mg/l	aquatic invertebrates	48 h
Myrcene	123-35-3	ErC50	0.342 mg/l	algae	72 h
L-Carvone	6485-40-1 99-49-0	LC50	6.1 mg/l	fish	96 h
L-Carvone	6485-40-1 99-49-0	EC50	38 mg/l	aquatic invertebrates	48 h
L-Carvone	6485-40-1 99-49-0	ErC50	19 mg/l	algae	72 h
(R)-p-mentha-1,8-diene	5989-27-5 68606-81-5	LC50	720 µg/l	fish	96 h

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Aquatic toxicity (acute) of components

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
(R)-p-mentha-1,8-diene	5989-27-5 68606-81-5	EC50	688 µg/l	fish	96 h
(R)-p-mentha-1,8-diene	5989-27-5 68606-81-5	ErC50	0.32 mg/l	algae	72 h
Terpineol	98-55-5 118-60-5	LC50	>82 mg/l	fish	96 h
Terpineol	98-55-5 118-60-5	EC50	10 mg/l	aquatic invertebrates	48 h
Terpineol	98-55-5 118-60-5	ErC50	>11 µg/l	algae	72 h
linalool	78-70-6	LC50	27.8 mg/l	fish	96 h
linalool	78-70-6	EC50	59 mg/l	aquatic invertebrates	48 h
linalool	78-70-6	ErC50	156.7 mg/l	algae	96 h
Sabinene	3387-41-5	EC50	3,960 mg/l	aquatic invertebrates	48 h
Alpha-Terpinene	99-86-5	EC50	1.7 mg/l	aquatic invertebrates	48 h
Borneol	507-70-0	LC50	33.25 mg/l	fish	96 h
Borneol	507-70-0	EC50	4.23 mg/l	aquatic invertebrates	48 h
Borneol	507-70-0	ErC50	1.71 mg/l	algae	72 h
Beta-Ocimene	13877-91-3	EC50	1.47 mg/l	aquatic invertebrates	48 h
Beta-Ocimene	13877-91-3	ErC50	0.342 mg/l	algae	48 h
L-menthol	2216-51-5	LC50	15.6 mg/l	fish	96 h
L-menthol	2216-51-5	EC50	37.7 mg/l	aquatic invertebrates	24 h
L-menthol	2216-51-5	ErC50	21.4 mg/l	algae	72 h

Aquatic toxicity (chronic) of components

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Eucalyptol	470-82-6	EC50	>100 mg/l	microorganisms	3 h
Citral	5392-40-5	EC50	160 mg/l	microorganisms	30 min
Carvacrol	499-75-2	EC50	75.75 mg/l	microorganisms	3 h
Gamma-Terpinene	99-85-4	EC50	>1,000 mg/l	microorganisms	3 h
Thymol	89-83-8	EC50	3.5 mg/l	aquatic invertebrates	21 d
Alpha-Phellandrene	99-83-2 499-83-2	LC50	322 mg/l	fish	96 d
d-Camphor	76-22-2	EC50	>100 mg/l	microorganisms	3 h

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Aquatic toxicity (chronic) of components					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
(R)-p-mentha-1,8-diene	5989-27-5 68606-81-5	EC50	<0.67 mg/l	fish	8 d
(R)-p-mentha-1,8-diene	5989-27-5 68606-81-5	LC50	0.41 mg/l	fish	8 d
linalool	78-70-6	EC50	>100 mg/l	microorganisms	30 min
Borneol	507-70-0	EC50	>100 mg/l	microorganisms	3 h
Beta-Pinene	127-91-3 18172-67-3	EC50	326 mg/l	microorganisms	3 h

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0.1\%$.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0.1\%$.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

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SECTION 14: Transport information

14.1 UN number

DOT	UN 2920
IMDG-Code	UN 2920
ICAO-TI	UN 2920

14.2 UN proper shipping name

DOT	Corrosive liquid, flammable, n.o.s.
IMDG-Code	CORROSIVE LIQUID, FLAMMABLE, N.O.S.
ICAO-TI	Corrosive liquid, flammable, n.o.s.
Technical name (hazardous ingredients)	Thymol, Alpha-Phellandrene

14.3 Transport hazard class(es)

DOT	8 (3)
IMDG-Code	8 (3)
ICAO-TI	8 (3)

14.4 Packing group

DOT	II
IMDG-Code	II
ICAO-TI	II

14.5 Environmental hazards

	hazardous to the aquatic environment
Environmentally hazardous substance (aquatic environment)	Alpha-Pinene

14.6 Special precautions for user

There is no additional information.

14.7 Transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Particulars in the shipper's declaration	UN2920, Corrosive liquid, flammable, n.o.s., (contains: Thymol, Alpha-Phellandrene), 8 (3), II, environmentally hazardous
--	---

Danger label(s)



8+3, fish and tree

Environmental hazards

yes (hazardous to the aquatic environment)

Special provisions (SP)

B2, IB2, T11, TP2, TP27

ERG No

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International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant YES (hazardous to the aquatic environment) (Alpha-Pinene)

Danger label(s) 8+3, fish and tree



Special provisions (SP) 274

Excepted quantities (EQ) E2

Limited quantities (LQ) 1 L

EmS F-E, S-C

Stowage category C

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Environmental hazards YES (hazardous to the aquatic environment)

Danger label(s) 8+3



Excepted quantities (EQ) E2

Limited quantities (LQ) 0,5 L

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

National regulations (United States)

Toxic Substance Control Act (TSCA) not all ingredients are listed (ACTIVE)

Superfund Amendment and Reauthorization Act (SARA TITLE III)

- The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)

none of the ingredients are listed

- Specific Toxic Chemical Listings (EPCRA Section 313)

none of the ingredients are listed

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

- List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)

none of the ingredients are listed

Clean Air Act

none of the ingredients are listed

Right to Know Hazardous Substance List

- Hazardous Substance List (NJ-RTK)

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Name of substance	CAS No	Remarks	Classifications
Alpha-Pinene	80-56-8		F3
(R)-p-mentha-1,8-diene	138-86-3		F2
Borneol	507-70-0		F2
d-Camphor	76-22-2		F2

Legend

F2 Flammable - Second Degree
F3 Flammable - Third Degree

California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

Proposition 65 List of chemicals			
Name acc. to inventory	CAS No	Remarks	Type of the toxicity
beta-Myrcene	123-35-3		cancer

Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	*	chronic (long-term) health effects may result from repeated overexposure
Health	3	major injury likely unless prompt action is taken and medical treatment is given
Flammability	3	material that can be ignited under almost all ambient temperature conditions
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	3	material that can be ignited under almost all ambient temperature conditions
Health	3	material that, under emergency conditions, can cause serious or permanent injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

National inventories

Country	Inventory	Status
US	TSCA	not all ingredients are listed

Legend

TSCA Toxic Substance Control Act

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15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information, including date of preparation or last revision

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
29 CFR 1910.1000	29 CFR 1910.1000, Tables Z-1, Z-2, Z-3 - Occupational Safety and Health Standards: Toxic and Hazardous Substances (permissible exposure limits)
49 CFR US DOT	49 CFR U.S. Department of Transportation
ACGIH® 2024	From ACGIH®, 2024 TLVs® and BEIs® Book. Copyright 2024. Reprinted with permission. Information on the proper use of the TLVs® and BEIs®: http://www.acgih.org/tlv-bei-guidelines/policies-procedures-presentations/tlv-bei-position-statement
Acute Tox.	Acute toxicity
Asp. Tox.	Aspiration hazard
ATE	Acute Toxicity Estimate
Cal/OSHA PEL	California Division of Occupational Safety and Health (Cal/OSHA): Permissible Exposure Limits (PELs)
Carc.	Carcinogenicity
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
DOT	Department of Transportation (USA)
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
ED	Endocrine disruptor
EmS	Emergency Schedule
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
ERG No	Emergency Response Guidebook - Number
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
Flam. Liq.	Flammable liquid
Flam. Sol.	Flammable solid
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air

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Abbr.	Descriptions of used abbreviations
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	International Maritime Dangerous Goods Code
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
NIOSH REL	National Institute for Occupational Safety and Health (NIOSH): Recommended Exposure Limits (RELs)
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition
OSHA	Occupational Safety and Health Administration (United States)
PBT	Persistent, Bioaccumulative and Toxic
PEL	Permissible exposure limit
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
Resp. Sens.	Respiratory sensitization
RTECS	Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
Skin Sens.	Skin sensitization
STEL	Short-term exposure limit
STOT SE	Specific target organ toxicity - single exposure
TLV®	Threshold Limit Values
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H226	Flammable liquid and vapor.
H227	Combustible liquid.
H228	Flammable solid.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.

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Code	Text
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.
H320	Causes eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.