

CHERRY WET WAX

 Version number: GHS 4.0
 Replaces version of: 2018-10-16 (GHS 3)

Revision: 2019-09-05

SECTION 1: Identification

- 1.1 Product identifier
 Trade name Cherry Wet Wax
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
 Relevant identified uses Vehicle wax
- 1.3 Details of the supplier of the safety data sheet
 Wisconsin Chemical Wholesale
 385 W Arndt St
 Fond Du lac, WI 54935
 United States
- e-mail: wisconsinchemicalwholesale@gmail.com
 Website: www.wisconsinchemical.com
- e-mail (competent person) wisconsinchemicalwholesale@gmail.com
- 1.4 Emergency telephone number
 Emergency information service USA 1.800.535.5053, INTL 1.352.323.3500
 24 hr emergency information

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.2	skin corrosion/irritation	2	Skin Irrit. 2	H315
A.7	reproductive toxicity	2	Repr. 2	H361f
B.6	flammable liquid	4	Flam. Liq. 4	H227

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources. The mixture contains a substance that was identified as a PBT (persistent, bioaccumulative and toxic). The mixture contains a substance that was identified as vPvB (very persistent and very bioaccumulative).

Additional information

Containing a PBT-/vPvB-substance in a concentration of $\geq 0,1\%$.

- 2.2 Label elements
 Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word warning

- Pictograms

GHS07, GHS08



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- Hazard statements

H227	Combustible liquid.
H315	Causes skin irritation.
H361f	Suspected of damaging fertility.

- Precautionary statements

P202 P210	Do not handle until all safety precautions have been read and understood.
P280	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P302+P352	Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313	If on skin: Wash with plenty of water.
P321	If exposed or concerned: Get medical advice/attention.
P332+P313	Specific treatment (see on this label).
P362	If skin irritation occurs: Get medical advice/attention.
P370+P378	Take off contaminated clothing and wash it before reuse.
P403+P235	In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P405 P501	Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

- Hazardous ingredients for labelling octamethylcyclotetrasiloxane

2.3 Other hazards

This material is combustible, but will not ignite readily.

Hazards not otherwise classified

Contains 1,2-benzothiazol-3-one. May produce an allergic reaction.
 Very toxic to aquatic life with long lasting effects (GHS category 1: aquatic toxicity - acute and/or chronic).

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Hazardous ingredients acc. to GHS				
Name of substance	Identifier	Wt%	Classification acc. to GHS	Notes
odorless mineral spirits	CAS No 64742-48-9	12- < 20	Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226 Repr. 2 / H361f	
octamethylcyclotetrasiloxane	CAS No 556-67-2	3- < 12	Flam. Liq. 3 / H226 Acute Tox. 4 / H332	PBT vPvB
China Clay, calcined	CAS No 66402-68-4	3- < 12		
decamethylcyclopentasiloxane	CAS No 541-02-6	3- < 12	Flam. Liq. 4 / H227	PBT vPvB
N,N-bis(2-Hydroxyethyl)oleamide	CAS No 93-83-4	1- < 3	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319	
ethyl alcohol	CAS No 64-17-5	0.1- < 1	Eye Irrit. 2 / H319 Carc. 1A / H350 Flam. Liq. 2 / H225	* IARC: 1

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Hazardous ingredients acc. to GHS				
Name of substance	Identifier	Wt%	Classification acc. to GHS	Notes
benzaldehyde	CAS No 100-52-7	0.1–<1	Acute Tox. 4 / H302 Acute Tox. 3 / H331 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 STOT SE 3 / H335 Flam. Liq. 4 / H227	
1,2-benzothiazol-3-one	CAS No 2634-33-5	<0.1	Acute Tox. 4 / H302 Skin Irrit. 2 / H315 Eye Dam. 1 / H318 Skin Sens. 1 / H317	

Notes

*: only carcinogenic in alcoholic beverages
 IARC: 1:IARC group 1: carcinogenic to humans (International Agency for Research on Cancer)
 PBT: The substance was identified as a PBT (persistent, bioaccumulative and toxic)
 vPvB: The substance was identified as a vPvB (very persistent and very bioaccumulative)

For full text of abbreviations: see SECTION 16. Exact percentage of ingredients is withheld as a trade secret.

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.

Following ingestion

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

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 (NO_x), 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

not required 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.

Control of the effects

Protect against external exposure, such as

Frost

- 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/m ³]	STEL [ppm]	STEL [mg/m ³]	Ceiling-C [ppm]	Ceiling-C [mg/m ³]	Notation	Source
US	ethanol	64-17-5	TLV®			1,000					AC-GIH® 2019
US	ethyl alcohol (ethanol)	64-17-5	PEL	1,000	1,900						29 CFR 1910.1000
US	petroleum distillates (naphtha) (rubber solvent)	64742-48-9	PEL	500	2,000						29 CFR 1910.1000

Notation

Ceiling-C

STEL

TWA

ceiling value is a limit value above which exposure should not occur

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)

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 of the mixture						
Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
octamethylcyclotetrasiloxane	556-67-2	DNEL	73 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
octamethylcyclotetrasiloxane	556-67-2	DNEL	73 mg/m ³	human, inhalatory	worker (industry)	acute - systemic effects
octamethylcyclotetrasiloxane	556-67-2	DNEL	73 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
octamethylcyclotetrasiloxane	556-67-2	DNEL	73 mg/m ³	human, inhalatory	worker (industry)	acute - local effects
China Clay, calcined	66402-68-4	DNEL	15.63 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
decamethylcyclopentasiloxane	541-02-6	DNEL	97.3 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
decamethylcyclopentasiloxane	541-02-6	DNEL	97.3 mg/m ³	human, inhalatory	worker (industry)	acute - systemic effects
decamethylcyclopentasiloxane	541-02-6	DNEL	24.2 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
decamethylcyclopentasiloxane	541-02-6	DNEL	24.2 mg/m ³	human, inhalatory	worker (industry)	acute - local effects
decamethylcyclopentasiloxane	541-02-6	DNEL	24.2 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
N,N-bis(2-Hydroxyethyl)oleamide	93-83-4	DNEL	73.44 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
N,N-bis(2-Hydroxyethyl)oleamide	93-83-4	DNEL	4.16 mg/kg bw/day	human, dermal	worker (industry)	chronic - local effects
N,N-bis(2-Hydroxyethyl)oleamide	93-83-4	DNEL	31.2 µg/cm ²	human, dermal	worker (industry)	chronic - systemic effects
	64-17-5	DNEL	343 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
ethyl alcohol	64-17-5	DNEL	950 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
benzaldehyde	100-52-7	DNEL	9.8 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
benzaldehyde	100-52-7	DNEL	9.8 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
benzaldehyde	100-52-7	DNEL	1.14 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
1,2-benzothiazol-3-one	2634-33-5	DNEL	6.81 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
1,2-benzothiazol-3-one	2634-33-5	DNEL	0.966 mg/kg bw/day	human, dermal	worker (industry)	

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Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
octamethylcyclotetrasiloxane	556-67-2	PNEC	10 mg/l	microorganisms	sewage treatment plant (STP) sediment	short-term (single instance)
octamethylcyclotetrasiloxane	556-67-2	PNEC	0.059 mg/kg	pelagic organisms		short-term (single instance)
octamethylcyclotetrasiloxane	556-67-2	PNEC	1.7 mg/kg	(top) predators	water	short-term (single instance)
octamethylcyclotetrasiloxane	556-67-2	PNEC	0.44 µg/l	aquatic organisms	freshwater	short-term (single instance)
octamethylcyclotetrasiloxane	556-67-2	PNEC	0.044 µg/l	aquatic organisms	marine water	short-term (single instance)
octamethylcyclotetrasiloxane	556-67-2	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
octamethylcyclotetrasiloxane	556-67-2	PNEC	3 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
octamethylcyclotetrasiloxane	556-67-2	PNEC	0.3 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
octamethylcyclotetrasiloxane	556-67-2	PNEC	0.59 mg/kg	benthic organisms	sediment	short-term (single instance)
decamethylcyclopentasiloxane	556-67-2	PNEC	0.16 mg/kg	terrestrial organisms	soil	short-term (single instance)
decamethylcyclopentasiloxane	541-02-6	PNEC	10 mg/l	microorganisms	sewage treatment plant (STP)	short-term (single instance)
decamethylcyclopentasiloxane	541-02-6	PNEC	11 mg/kg	benthic organisms	sediment	short-term (single instance)
decamethylcyclopentasiloxane	541-02-6	PNEC	13 mg/kg	(top) predators	water	short-term (single instance)
decamethylcyclopentasiloxane	541-02-6	PNEC	1.1 mg/kg	pelagic organisms	sediment	short-term (single instance)
decamethylcyclopentasiloxane	541-02-6	PNEC	1.2 µg/l	aquatic organisms	freshwater	short-term (single instance)
decamethylcyclopentasiloxane	541-02-6	PNEC	0.12 µg/l	aquatic organisms	marine water	short-term (single instance)
decamethylcyclopentasiloxane	541-02-6	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
decamethylcyclopentasiloxane	541-02-6	PNEC	11 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
decamethylcyclopentasiloxane	541-02-6	PNEC	1.1 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
N,N-bis(2-Hydroxyethyl)oleamide	541-02-6	PNEC	1.27 mg/kg	terrestrial organisms	soil	short-term (single instance)
N,N-bis(2-Hydroxyethyl)oleamide	93-83-4	PNEC	0.007 mg/l	aquatic organisms	freshwater	short-term (single instance)
	93-83-4	PNEC	0.001 mg/l	aquatic organisms	marine water	

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Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
N,N-bis(2-Hydroxyethyl)oleamide	93-83-4	PNEC	830 /l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
N,N-bis(2-Hydroxyethyl)oleamide	93-83-4	PNEC	1.227 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
N,N-bis(2-Hydroxyethyl)oleamide	93-83-4	PNEC	0.123 mg/kg	aquatic organisms		short-term (single instance)
N,N-bis(2-Hydroxyethyl)oleamide	93-83-4	PNEC	0.241 mg/kg	terrestrial organisms	soil	short-term (single instance)
ethyl alcohol	64-17-5	PNEC	0.96 mg/l	aquatic organisms	freshwater	short-term (single instance)
ethyl alcohol	64-17-5	PNEC	0.79 mg/l	aquatic organisms	marine water	short-term (single instance)
ethyl alcohol	64-17-5	PNEC	580 mg/l	microorganisms	sewage treatment plant (STP)	short-term (single instance)
ethyl alcohol	64-17-5	PNEC	3.6 mg/kg	benthic organisms	sediment	short-term (single instance)
ethyl alcohol	64-17-5	PNEC	0.63 mg/kg	terrestrial organisms	soil	intermittent release
ethyl alcohol	64-17-5	PNEC	2.75 mg/l	aquatic organisms	water	short-term (single instance)
benzaldehyde	100-52-7	PNEC	0.002 mg/l	aquatic organisms	freshwater	short-term (single instance)
benzaldehyde	100-52-7	PNEC	0 mg/l	aquatic organisms	marine water	short-term (single instance)
benzaldehyde	100-52-7	PNEC	7.59 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
benzaldehyde	100-52-7	PNEC	0.022 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
benzaldehyde	100-52-7	PNEC	0.002 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
benzaldehyde	100-52-7	PNEC	0.003 mg/kg	terrestrial organisms	soil	short-term (single instance)
1,2-benzothiazol-3-one	2634-33-5	PNEC	4.03 µg/l	aquatic organisms	freshwater	short-term (single instance)
1,2-benzothiazol-3-one	2634-33-5	PNEC	0.403 µg/l	aquatic organisms	marine water	short-term (single instance)
1,2-benzothiazol-3-one	2634-33-5	PNEC	1.03 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
1,2-benzothiazol-3-one	2634-33-5	PNEC	49.9 µg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
1,2-benzothiazol-3-one	2634-33-5	PNEC	4.99 µg/kg	aquatic organisms	marine sediment	short-term (single instance)
1,2-benzothiazol-3-one	2634-33-5	PNEC	3 mg/kg	terrestrial organisms	soil	

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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.

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	pink
Odor	fruity

Other safety parameters

pH (value)	not determined not determined >65
Melting point/freezing point	°C at 1 atm 67 °C at 101.3 kPa 153
Initial boiling point and boiling range	°F at 1 atm not determined not
Flash point	relevant, (fluid)
Evaporation rate	
Flammability (solid, gas)	

Explosive limits

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- Lower explosion limit (LEL)	0.7 vol%
- Upper explosion limit (UEL)	5.4 vol%
Vapor pressure	31.69 hPa at 25 °C
Density	1.013 g/ml
Vapor density	this information is not available
Relative density	1 at 25 °C (water = 1)
Solubility(ies)	not determined

Partition coefficient

- n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	343 °C (auto-ignition temperature (liquids and gases))

Viscosity

- Kinematic viscosity	5,000 cSt at 25 °C
- Dynamic viscosity	5,067 cP
Explosive properties	none
Oxidizing properties	none

9.2 Other information

Temperature class (USA, acc. to NEC 500)	T2 (maximum permissible surface temperature on the equipment: 300°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 reactive 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.

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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

Shall not be classified as acutely toxic.

Acute toxicity estimate (ATE) of components of the mixture			
Name of substance	CAS No	Exposure route	ATE
China Clay, calcined	66402-68-4	inhalation: dust/mist	2.3 mg/l/4h
benzaldehyde	100-52-7	oral	1,430 mg/kg
benzaldehyde	100-52-7	inhalation: vapor	5 mg/l/4h
1,2-benzothiazol-3-one	2634-33-5	oral	670 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitization

Contains 1,2-benzothiazol-3-one. May produce an allergic reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans			
Name of substance	CAS No	Classification	Number
ethyl alcohol	64-17-5	1	

Legend

1 Carcinogenic to humans

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Reproductive toxicity

Suspected of damaging fertility.

Specific target organ toxicity - single exposure

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

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.

SECTION 12: Ecological information

12.1 Toxicity

Very toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
octamethylcyclotetrasiloxane	556-67-2	LC50	>22 µg/l	fish	96 h
octamethylcyclotetrasiloxane	556-67-2	EC50	>1,000 mg/l	aquatic invertebrates	96 h
decamethylcyclopentasiloxane	541-02-6	LC50	>16 µg/l	fish	96 h
decamethylcyclopentasiloxane	541-02-6	EC50	>2.9 µg/l	aquatic invertebrates	48 h
N,N-bis(2-Hydroxyethyl)oleamide	93-83-4	LC50	5.1 mg/l	fish	96 h
N,N-bis(2-Hydroxyethyl)oleamide ethyl alcohol	93-83-4	EC50	3.2 mg/l	aquatic invertebrates	48 h
ethyl alcohol	64-17-5	LC50	14.2 g/l	fish	96 h
benzaldehyde	64-17-5	EC50	12.9 g/l	fish	96 h
1,2-benzothiazol-3-one	100-52-7	LC50	12.4 mg/l	fish	96 h
1,2-benzothiazol-3-one	2634-33-5	LC50	16.7 mg/l	fish	96 h
1,2-benzothiazol-3-one	2634-33-5	EC50	2.94 mg/l	aquatic invertebrates	48 h
	2634-33-5	ErC50	150 µg/l	algae	72 h

Aquatic toxicity (chronic) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
odorless mineral spirits	64742-48-9	EC50	15.41 mg/l	microorganisms	40 h
octamethylcyclotetrasiloxane	556-67-2	LC50	10 µg/l	fish	14 d
octamethylcyclotetrasiloxane	556-67-2	EC50	>500 mg/l	aquatic invertebrates	24 h

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Aquatic toxicity (chronic) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
China Clay, calcined	66402-68-4	EC50	300.4 mg/l	microorganisms	3 h
decamethylcyclopentasiloxane	541-02-6	LC50	>16 µg/l	fish	14 d
decamethylcyclopentasiloxane	541-02-6	EC50	>15 µg/l	aquatic invertebrates	21 d
ethyl alcohol	64-17-5	LC50	>0.08 mg/l	fish	42 d
ethyl alcohol	64-17-5	EC50	22.6 g/l	algae	10 d
ethyl alcohol	64-17-5	ErC50	675 mg/l	algae	4 d
benzaldehyde	100-52-7	EC50	50 mg/l	aquatic invertebrates	24 h
1,2-benzothiazol-3-one	2634-33-5	EC50	13 mg/l	microorganisms	3 h

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

The substance fulfills the very bioaccumulative criterion.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

The mixture contains a substance that was identified as a PBT (persistent, bioaccumulative and toxic). The mixture contains a substance that was identified as vPvB (very persistent and very bioaccumulative).

12.6 Other adverse effects

Endocrine disrupting potential

The mixture contains substance(s) with an endocrine disrupting potential.

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.	UN number	3082
1	UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
14.	Transport hazard class(es)	
2	Class	9 (environmentally hazardous)
14.	Packing group	III (substance presenting low danger)
4	Environmental hazards	hazardous to the aquatic environment
14.	Special precautions for user	
5	There is no additional information.	
14.7	Transport in bulk according to Annex II of MARPOL and the IBC Code	
6	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)

Not regulated under DOT until packaged in single containers larger than 119 gallons each - liquid, or 882 lbs each - solid.

Index number	3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
- Particulars in the shipper's declaration	UN3082, Environmentally hazardous substance, liquid, n.o.s., 9, III
- Reportable quantity (RQ)	119,048 lbs (54,048 kg) (diethanolamine) (methanol)
Class	9
Packing group	III
Danger label(s)	9, fish and tree



Environmental hazards	yes (hazardous to the aquatic environment)
Special provisions (SP)	8, 146, 173, 335, IB3, T4, TP1, TP29
ERG No	171

International Maritime Dangerous Goods Code (IMDG)

UN number	3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Class	9
Marine pollutant	yes (hazardous to the aquatic environment)
Packing group	III
Danger label(s)	9, fish and tree





Special provisions (SP)	274, 335, 969
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Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
EmS	F-A, S-F
Stowage category	A
International Civil Aviation Organization (ICAO-IATA/DGR)	
UN number	3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
Class	9
Environmental hazards	yes (hazardous to the aquatic environment)
Packing group	III
Danger label(s)	9, fish and tree
 	
Special provisions (SP)	A97, A158, A197
Excepted quantities (EQ)	E1
Limited quantities (LQ)	30 kg

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) all ingredients are listed

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

Clean Air Act

none of the ingredients are listed

15.1.5 New Jersey Worker and Community Right to Know Act
0.5

Right to Know Hazardous Substance List			
Name acc. to inventory	CAS No	Remarks	Classifications
ethyl alcohol	64-17-5		CA MU TE F3 F2
benzaldehyde	100-52-7		

Legend

- CA Carcinogenic
- F2 Flammable - Second Degree
- F3 Flammable - Third Degree
- MU Mutagenic
- TE Teratogenic

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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	Conc.	Remarks	Type of the toxicity
methanol	67-56-1	0.0557 wt%		developmental
ethanol (ethyl alcohol)	64-17-5	0.2828 wt%	in alcoholic beverages	developmental
methyl isobutyl ketone	108-10-1	0.006171 wt%		cancer
methyl isobutyl ketone (MIBK)	108-10-1	0.006171 wt%		developmental
diethanolamine	111-42-2	0.084 wt%		cancer

VOC content

 Regulated Volatile Organic Compounds (VOC-EPA): 14.03 %
 Regulated Volatile Organic Compounds (VOC-Cal ARB): 14.03 %

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	2	temporary or minor injury may occur
Flammability	2	material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur
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	-	

 Chronic: chronic hazard
 Flammability: flammability hazard
 Health: health hazard
 Personal protection: personal protective equipment (PPE) for normal use
 Physical hazard: reactivity

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	2	material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur
Health	2	material that, under emergency conditions, can cause temporary incapacitation or residual injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

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National inventories

Country	Inventory	Status
CA	DSL	all ingredients are listed
EU	REACH Reg.	not all ingredients are listed
US	TSCA	all ingredients are listed

Legend

DSL Domestic Substances List (DSL)
 REACH Reg. REACH registered substances
 TSCA Toxic Substance Control Act

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

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
1.3	Details of the supplier of the safety data sheet: B&B Blending, LLC 10963 Leroy Drive Northglenn CO 80233 United States Telephone: 1.800.875.6320, 1.303.289.6320 Telefax e-mail: info@bbblending.com Website: bbblending.com	Details of the supplier of the safety data sheet: B&B Blending, LLC 10963 Leroy Drive Northglenn CO 80233 United States Telephone: 1.800.875.6320, 1.303.289.6320 e-mail: info@bbblending.com Website: bbblending.com	yes
1.3	Competent person responsible for the SDS: Beth Tirrell		yes
1.3	e-mail (competent person): btirrell@bbblending.com		yes
1.3		e-mail (competent person): btirrell@bbblending.com	yes
1.4	Emergency information service: USA 1.800.535.5053, INTL 1.352.323.3500 24 hour emergency telephone number.	Emergency information service: USA 1.800.535.5053, INTL 1.352.323.3500 24 hr emergency information	yes
2.1	Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200): Annex - Hazard class and category - Hazard statement code(s)	Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)	yes
2.1		Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200): change in the listing (table)	yes
2.1	Remarks: For full text of H-phrases: see SECTION 16.		yes
2.1	Hazards not otherwise classified		yes
2.1		Hazards not otherwise classified: change in the listing (table)	yes
2.1		Additional information: Containing a PBT-/vPvB-substance in a concentration of $\geq 0,1\%$.	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
2.2		Pictograms: change in the listing (table)	yes
2.2	Hazard statements		yes
2.2		- Pictograms: change in the listing (table)	yes
2.2		- Hazard statements: change in the listing (table)	yes
2.2	Precautionary statements		yes
2.2	Precautionary statements - prevention		yes
2.2		Precautionary statements - prevention: change in the listing (table)	yes
2.2	Precautionary statements - response		yes
2.2		Precautionary statements - response: change in the listing (table)	yes
2.2	Precautionary statements - storage		yes
2.2		Precautionary statements - storage: change in the listing (table)	yes
2.2	Precautionary statements - disposal		yes
2.2		Precautionary statements - disposal: change in the listing (table)	yes
2.2		- Precautionary statements: change in the listing (table)	yes
2.2		- Hazardous ingredients for labelling: octamethylcyclotetrasiloxane	yes
2.3	Other hazards: There is no additional information.	Other hazards: This material is combustible, but will not ignite readily.	yes
2.3		Hazards not otherwise classified	yes
2.3		Hazards not otherwise classified: change in the listing (table)	yes
3.2		Description of the mixture: change in the listing (table)	yes
3.2		Hazardous ingredients acc. to GHS: change in the listing (table)	yes
4.1	Following inhalation: In case of respiratory tract irritation, consult a physician. Provide fresh air.	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.	yes
4.1	Following skin contact: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.	Following skin contact: Wash with plenty of soap and water.	yes
4.1	Following eye contact: Irrigate copiously with clean, fresh water, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing.	Following eye contact: Remove contact lenses, if present and easy to do. Continue rinsing.	yes

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6.2	Environmental precautions: Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.	Environmental precautions: not required If substance has entered a water course or sewer, inform the responsible authority.	yes
7.2	Incompatible substances or mixtures: Observe compatible storage of chemicals.		yes
7.2	Consideration of other advice		yes
7.2	Packaging compatibilities: Only packagings which are approved (e.g. acc. to DOT) may be used.	- Packaging compatibilities: Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.	yes
8.1	National limit values		yes
8.1	Occupational exposure limit values (Workplace Exposure Limits)		yes
8.1		Occupational exposure limit values (Workplace Exposure Limits): change in the listing (table)	yes
8.1	Relevant DNELs/DMELs/PNECs and other threshold levels: No data available.		yes
8.1		Relevant DNELs of components of the mixture: change in the listing (table)	yes
8.1		Relevant PNECs of components of the mixture: change in the listing (table)	yes
8.2	Respiratory protection: In case of inadequate ventilation wear respiratory protection.		yes
9.1	Odor: fruity		yes
9.1		Odor: fruity	yes
9.1	Flash point: 50 °C at 101.3 kPa 122 °F at 1 atm (closed cup)	Flash point: 67 °C at 101.3 kPa 153 °F at 1 atm	yes
9.1	• lower explosion limit (LEL): 0.7 vol% 52.6 g/m ³	Lower explosion limit (LEL): 0.7 vol%	yes
9.1		Vapor density: this information is not available	yes
9.1	Auto-ignition temperature: 343 °C (auto-ignition temperature (liquids and gases)) 645.2 K (relative self-ignition temperature for solids)	Auto-ignition temperature: 343 °C (auto-ignition temperature (liquids and gases))	yes
9.1		Dynamic viscosity: 5,067 cP	yes
9.1	Oxidizing properties: none There is no additional information.	Oxidizing properties: none	yes
9.2		Other information	yes
9.2		Temperature class (USA, acc. to NEC 500): T2 (maximum permissible surface temperature on the equipment: 300°C)	yes

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10.4	Physical stresses which might result in a hazardous situation and have to be avoided: strong shocks		yes
11.1	Acute toxicity of components of the mixture		yes
11.1		Acute toxicity estimate (ATE) of components of the mixture: change in the listing (table)	yes
11.1	Respiratory or skin sensitization: May cause an allergic skin reaction.	Respiratory or skin sensitization: Contains 1,2-benzothiazol-3-one. May produce an allergic reaction.	yes
11.1	Summary of evaluation of the CMR properties: Suspected of damaging fertility. Shall not be classified as carcinogenic. Shall not be classified as germ cell mutagenic.		yes
11.1	Carcinogenicity		yes
11.1	• National Toxicology Program (United States): none of the ingredients are listed		yes
11.1	• IARC Monographs: none of the ingredients are listed		yes
11.1		Germ cell mutagenicity: Shall not be classified as germ cell mutagenic.	yes
11.1		Carcinogenicity: Shall not be classified as carcinogenic.	yes
11.1		IARC Monographs on the Evaluation of Carcinogenic Risks to Humans: change in the listing (table)	yes
11.1		Reproductive toxicity: Suspected of damaging fertility.	yes
11.1		Specific target organ toxicity - single exposure: Shall not be classified as a specific target organ toxicant (single exposure).	yes
11.1		Specific target organ toxicity - repeated exposure: Shall not be classified as a specific target organ toxicant (repeated exposure).	yes
12.1		Aquatic toxicity (acute) of components of the mixture: change in the listing (table)	yes
12.1		Aquatic toxicity (chronic) of components of the mixture: change in the listing (table)	yes
12.2	Persistence and degradability	Persistence and degradability: Data are not available.	yes
12.6	Other adverse effects: Data are not available.	Other adverse effects	yes
12.6		Endocrine disrupting potential: The mixture contains substance(s) with an endocrine disrupting potential.	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
13.1	Waste treatment of containers/packages: Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.	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.	yes
14.1	UN number: 1993	UN number: 3082	yes
14.2	UN proper shipping name: Flammable liquid, n.o.s.	UN proper shipping name: Environmentally hazardous substance, liquid, n.o.s.	yes
14.3	Class: 3 (flammable liquids)	Class: 9 (environmentally hazardous)	yes
14.5	Environmental hazards: none (non-environmentally hazardous acc. to the dangerous goods regulations)	Environmental hazards: hazardous to the aquatic environment	yes
14.7		Transport of dangerous goods by road or rail (49 CFR US DOT): Not regulated under DOT until packaged in single containers larger than 119 gallons each - liquid, or 882 lbs each - solid.	yes
14.7		Index number: 3082	yes
14.7		Proper shipping name: Environmentally hazardous substance, liquid, n.o.s.	yes
14.7		Particulars in the shipper's declaration: UN3082, Environmentally hazardous substance, liquid, n.o.s., 9, III	yes
14.7		Reportable quantity (RQ): 119,048 lbs (54,048 kg) (diethanolamine) (methanol)	yes
14.7		Class: 9	yes
14.7		Packing group: III	yes
14.7		Danger label(s): 9, fish and tree	yes
14.7		Danger label(s): change in the listing (table)	yes
14.7		Environmental hazards: yes (hazardous to the aquatic environment)	yes
14.7	• OSHA Carcinogens (United States): none of the ingredients are listed	Special provisions (SP): 8, 146, 173, 335, IB3, T4, TP1, TP29	yes
11.1	Specific target organ toxicity (STOT): Shall not be classified as a specific target organ toxicant.		yes
12.1	Aquatic toxicity (acute): Shall not be classified as hazardous to the aquatic environment.		yes
12.1	Aquatic toxicity (acute) of components of the mixture		yes
12.1	Aquatic toxicity (chronic)		yes

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12.1	Aquatic toxicity (chronic) of components of the mixture		yes
12.2	Degradability of components of the mixture		yes
12.2		Degradability of components of the mixture: change in the listing (table)	yes
12.3	Bioaccumulative potential of components of the mixture		yes
12.3		Bioaccumulative potential of components of the mixture: change in the listing (table)	yes
14.7	• Transport of dangerous goods by road or rail (49 CFR US DOT)		yes
14.7	Index number: 1993		yes
14.7	Proper shipping name: Flammable liquid, n.o.s.		yes
14.7		ERG No: 171	yes
14.7	UN number: 1993	UN number: 3082	yes
14.7	Proper shipping name: FLAMMABLE LIQUID, N.O.S.	Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	yes
14.7	Class: 3	Class: 9	yes
14.7		Marine pollutant: yes (hazardous to the aquatic environment)	yes
14.7	Danger label(s): 3	Danger label(s): 9, fish and tree	yes
14.7		Danger label(s): change in the listing (table)	yes
14.7	Special provisions (SP): 223, 274, 955	Special provisions (SP): 274, 335, 969 EmS:	yes
14.7	EmS: F-E, S-E	F-A, S-F UN number:	yes
14.7	UN number: 1993	3082 Proper shipping name:	yes
14.7	Proper shipping name: Flammable liquid, n.o.s.	Environmentally hazardous substance, liquid, n.o.s. Class:	yes
14.7	Class: 3	9 Environmental hazards:	yes
14.7		yes (hazardous to the aquatic environment)	
14.7		Danger label(s): 9, fish and tree	yes
14.7	Danger label(s): 3	Danger label(s): change in the listing (table)	yes
14.7			yes

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14.7	Special provisions (SP): A3	Special provisions (SP): A97, A158, A197	yes
14.7	Limited quantities (LQ): 10 L	Limited quantities (LQ): 30 kg	yes
15.1		National regulations (United States)	yes
15.1	Reportable quantity (RQ): 11,454,754 lbs (5,200,458 kg) (methanol)	Toxic Substance Control Act (TSCA): all ingredients are listed	yes
14.7	Class: 3		yes
14.7	Packing group: III		yes
14.7	Danger label(s): 3		yes
14.7		Danger label(s): change in the listing (table)	yes
14.7	Special provisions (SP): B1, B52, IB3, T4, TP1, TP29		yes
14.7	ERG No: 128		yes
14.7		Danger label(s): change in the listing (table)	yes
15.1		National regulations (United States)	yes
15.1		Toxic Substance Control Act (TSCA): all ingredients are listed or exempt from listing	yes
15.1		Superfund Amendment and Reauthorization Act (SARA TITLE III)	yes
15.1		The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Sec- tion 302, 304): none of the ingredients are listed	yes
15.1		Clean Air Act: none of the ingredients are listed	yes
15.1		Drug precursors, Controlled Substances Act (21 U.S.C. § 802): none of the ingredients are listed	yes
15.1		Industry or sector specific available guidance(s)	yes
15.1		NPCA-HMIS® III: Hazardous Materials Identification System (Americ- an Coatings Association)	yes
15.1		NPCA-HMIS® III: change in the listing (table)	yes
15.1		NFPA® 704: National Fire Protection Association: Standard Sys- tem for the Identification of the Hazards of Materials for Emergency Response (United States)	yes
15.1		NFPA® 704: change in the listing (table)	yes

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Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
15.1	Proposition 65 List of chemicals		yes
15.1		Proposition 65 List of chemicals: change in the listing (table)	yes
15.1	Relevant European Union (EU) safety, health and environmental provisions		yes
15.1	Classification according to GHS (1272/2008/EC, CLP)		yes
15.1		Classification according to GHS (1272/2008/EC, CLP): change in the listing (table)	yes
15.1	National inventories		yes
15.1		National inventories: change in the listing (table)	yes
15.1		Superfund Amendment and Reauthorization Act (SARA TITLE III)	yes
15.1		The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304): none of the ingredients are listed	yes
15.1		Clean Air Act: none of the ingredients are listed	yes
15.1.50.5		New Jersey Worker and Community Right to Know Act	yes
15.1.50.5		Right to Know Hazardous Substance List: change in the listing (table)	yes
15.1.50.5		California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987	yes
15.1.50.5		Proposition 65 List of chemicals: change in the listing (table)	yes
15.1.50.5		VOC content: Regulated Volatile Organic Compounds (VOC-EPA): 14.03 % Regulated Volatile Organic Compounds (VOC-Cal ARB): 14.03 %	yes
15.1.50.		Industry or sector specific available guidance(s) NPCA-HMIS® III:	yes
5 15.1.50.		Hazardous Materials Identification System. American Coatings Association. NPCA-HMIS® III:	yes
5 15.1.50.5		change in the listing (table) NFPA® 704:	yes
15.1.50.5		National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States). NFPA® 704:	yes
15.1.50.5		change in the listing (table) National inventories	yes
15.1.50.5			yes

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15.1.50.5		National inventories: change in the listing (table)	yes
15.2		Chemical Safety Assessment: Chemical safety assessments for substances in this mixture were not carried out.	yes
16	Key literature references and sources for data: - OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200 - 49 CFR § 172.101 Hazardous Materials Table (DOT)	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).	yes
16		List of relevant phrases (code and full text as stated in chapter 2 and 3): change in the listing (table)	yes

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 § 40 U.S. Department of Transportation
ACGIH® 2019	From ACGIH®, 2019 TLVs® and BEIs® Book. Copyright 2019. 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 ARB	California Air Resources Board
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
EmS	Emergency Schedule
EPA	Environmental Protection Agency. An agency of the federal government of the United States charged with protecting human health and the environment
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

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Abbr.	Descriptions of used abbreviations
Flam. Liq.	Flammable liquid
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
IMDG	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 International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
MARPOL	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition
NPCA-HMIS® III	Occupational Safety and Health Administration (United States)
OSHA	Persistent, Bioaccumulative and Toxic
PBT	Permissible exposure limit
PEL	Predicted No-Effect Concentration
PNEC	Parts per million
ppm	Reproductive toxicity
Repr.	Corrosive to skin
Skin Corr.	Irritant to skin
Skin Irrit.	Skin sensitization
Skin Sens.	Short-term exposure limit
STEL	Specific target organ toxicity - single exposure
STOT-SE	Threshold Limit Values
TLV®	Time-weighted average
TWA	Volatile Organic Compounds
VOC	Very Persistent and very Bioaccumulative
vPvB	

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).

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

Code	Text
H225	Highly flammable liquid and vapor.
H226	Flammable liquid and vapor.
H227	Combustible liquid.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H350	May cause cancer.
H361f	Suspected of damaging fertility.

Disclaimer

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