



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

EZ Carnauba

Version number: GHS 1.0

Date of compilation: 2019-06-14

SECTION 1: Identification

1.1 Product identifier

Trade name **EZ Carnauba**

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

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

e-mail (competent person)

btirrell@bbblending.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 | H361fd |
| A.8D | specific target organ toxicity - single exposure (narcotic effects, drowsiness) | 3 | STOT SE 3 | H336 |
| A.10 | aspiration hazard | 1 | Asp. Tox. 1 | H304 |
| 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

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 danger

- Pictograms

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GHS02, GHS07,
GHS08



- Hazard statements

| | |
|--------|--|
| H226 | Flammable liquid and vapor. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H336 | May cause drowsiness or dizziness. |
| H361fd | Suspected of damaging fertility. Suspected of damaging the unborn child. |

- Precautionary statements

| | |
|----------------|---|
| P201 | Obtain special instructions before use. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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. |
| P261 | Avoid breathing dust/fume/gas/mist/vapors/spray. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P281 | Wear personal protective equipment/face protection. |
| P301+P310 | If swallowed: Immediately call a poison center/doctor. |
| 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. |
| P312 | Call a poison center/doctor if you feel unwell. |
| P321 | Specific treatment (see on this label). |
| P331 | Do NOT induce vomiting. |
| P362 | Take off contaminated clothing and wash it 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 in accordance with local/regional/national/international regulations. |

- Hazardous ingredients for labelling

Naphtha (petroleum), hydrotreated light, Naphtha (petroleum), hydrotreated heavy, octamethylcyclotetrasiloxane

2.3 Other hazards

Hazards not otherwise classified

May be harmful in contact with skin (GHS category 5: acutely toxic - dermal).

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)

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3.2 Mixtures

Description of the mixture

| Hazardous ingredients acc. to GHS | | | | |
|--|----------------------|-----------|--|-------------|
| Name of substance | Identifier | Wt% | Classification acc. to GHS | Notes |
| Naphtha (petroleum), hydro-treated heavy | CAS No 64742-48-9 | 20 - < 40 | Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226 | |
| Naphtha (petroleum), hydro-treated light | CAS No 64742-49-0 | 12 - < 20 | Skin Irrit. 2 / H315 Repr. 2 / H361d STOT SE 3 / H336 Asp. Tox. 1 / H304 Flam. Liq. 2 / H225 | |
| China Clay, calcined | CAS No 66402-68-4 | 3 - < 12 | Acute Tox. 4 / H332 | |
| octamethylcyclotetrasiloxane | CAS No 556-67-2 | 0.1 - < 1 | Repr. 2 / H361f Flam. Liq. 3 / H226 | PBT vPvB |
| decamethylcyclopentasiloxane | CAS No 541-02-6 | 0.1 - < 1 | Flam. Liq. 4 / H227 | PBT vPvB |

Notes

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.

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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.

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. Co-ordinate 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

Advices on how to contain a spill

Covering of drains

Advices 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.

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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.

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 | petroleum distillates (naphtha) (rubber solvent) | 64742-48-9 | PEL | 500 | 2,000 | | | | | | 29 CFR 1910.1000 |

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Notation

Ceiling-C
STEL

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)

TWA

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)

| 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 |
| China Clay, calcined | 66402-68-4 | DNEL | 15.63 mg/m ³ | human, inhalatory | worker (industry) | chronic - local effects |
| 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 |
| 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 |

| Relevant PNECs of components of the mixture | | | | | | |
|---|----------|-----------|-----------------|-------------------|------------------------------|------------------------------|
| 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) | short-term (single instance) |
| octamethylcyclotetrasiloxane | 556-67-2 | PNEC | 0.059 mg/kg | pelagic organisms | sediment | 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) |

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| Relevant PNECs of components of the mixture | | | | | | |
|---|----------|-----------|-----------------|-----------------------|------------------------------|------------------------------|
| Name of substance | CAS No | End-point | Threshold level | Organism | Environmental compartment | Exposure time |
| octamethylcyclotetrasiloxane | 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) |
| decamethylcyclopentasiloxane | 541-02-6 | PNEC | 1.27 mg/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.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

| | |
|----------------|--------|
| Physical state | liquid |
| Color | yellow |
| Odor | fruity |

Other safety parameters

| | |
|---|-----------------------------------|
| pH (value) | 8.3 (25 °C) |
| Melting point/freezing point | not determined |
| Initial boiling point and boiling range | >65 °C at 1 atm |
| Flash point | 29 °C at 101.3 kPa 83 °F at 1 atm |
| Evaporation rate | not determined |
| Flammability (solid, gas) | not relevant, (fluid) |

Explosive limits

| | |
|-------------------------------|----------|
| - Lower explosion limit (LEL) | 0.7 vol% |
| - Upper explosion limit (UEL) | 5.4 vol% |

| | |
|-----------------|-----------------------------------|
| Vapor pressure | 240 kPa at 37.8 °C |
| Density | 0.93 g/cm ³ |
| Vapor density | this information is not available |
| Solubility(ies) | not determined |

Partition coefficient

| | |
|-----------------------------|-----------------------------------|
| - n-octanol/water (log KOW) | this information is not available |
|-----------------------------|-----------------------------------|

| | |
|---------------------------|----------------|
| Auto-ignition temperature | 245 °C |
| Viscosity | not determined |
| Explosive properties | none |
| Oxidizing properties | none |

9.2 Other information

| | |
|--|--|
| Temperature class (USA, acc. to NEC 500) | T2C (maximum permissible surface temperature on the equipment: 230 °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.

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.

GHS of the United Nations, annex 4: May be harmful in contact with skin.

| 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 _i /4h |

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

Shall not be classified as a respiratory or skin sensitizer.

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Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Suspected of damaging the unborn child. Suspected of damaging fertility.

Specific target organ toxicity - single exposure

May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure

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

Aspiration hazard

May be fatal if swallowed and enters airways.

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 |
| Naphtha (petroleum), hydrotreated light | 64742-49-0 | LL50 | 8.2 mg/l | fish | 96 h |
| Naphtha (petroleum), hydrotreated light | 64742-49-0 | EL50 | 4.5 mg/l | aquatic invertebrates | 48 h |
| 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 |

| Aquatic toxicity (chronic) of components of the mixture | | | | | |
|---|------------|----------|------------|----------------|---------------|
| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
| Naphtha (petroleum), hydrotreated heavy | 64742-48-9 | EC50 | 15.41 mg/l | microorganisms | 40 h |
| Naphtha (petroleum), hydrotreated light | 64742-49-0 | EL50 | 10 mg/l | fish | 21 d |
| Naphtha (petroleum), hydrotreated light | 64742-49-0 | EC50 | 15.41 mg/l | microorganisms | 40 h |
| China Clay, calcined | 66402-68-4 | EC50 | 300.4 mg/l | microorganisms | 3 h |
| octamethylcyclotetrasiloxane | 556-67-2 | LC50 | 10 µg/l | fish | 14 d |

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| Aquatic toxicity (chronic) of components of the mixture | | | | | |
|---|----------|----------|-----------|-----------------------|---------------|
| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
| octamethylcyclotetrasiloxane | 556-67-2 | EC50 | >500 mg/l | aquatic invertebrates | 24 h |
| decamethylcyclopentasiloxane | 541-02-6 | LC50 | >16 µg/l | fish | 14 d |
| decamethylcyclopentasiloxane | 541-02-6 | EC50 | >15 µg/l | aquatic invertebrates | 21 d |

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

- | | |
|--|---|
| 14.1 UN number | 3295 |
| 14.2 UN proper shipping name | Hydrocarbons, liquid, n.o.s. |
| 14.3 Transport hazard class(es) | |
| Class | 3 (flammable liquids) |
| 14.4 Packing group | III (substance presenting low danger) |
| 14.5 Environmental hazards | hazardous to the aquatic environment |
| Environmentally hazardous substance (aquatic environment) | Naphtha (petroleum), hydrotreated heavy |
| 14.6 Special precautions for user | |
| There is no additional information. | |
| 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code | |
| 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)

- | | |
|--|---|
| Index number | 3295 |
| Proper shipping name | Hydrocarbons, liquid, n.o.s. |
| - Particulars in the shipper's declaration | UN3295, Hydrocarbons, liquid, n.o.s., 3, III, environmentally hazardous |
| - Reportable quantity (RQ) | 55,555,556 lbs (25,222,222 kg) (methanol) (amyl acetate) |
| Class | 3 |
| Packing group | III |
| Danger label(s) | 3, fish and tree |



- | | |
|-------------------------|--|
| Environmental hazards | yes (hazardous to the aquatic environment) |
| Special provisions (SP) | 144, B1, IB3, T4, TP1, TP29 |
| ERG No | 128 |

International Maritime Dangerous Goods Code (IMDG)

- | | |
|----------------------|--|
| UN number | 3295 |
| Proper shipping name | HYDROCARBONS, LIQUID, N.O.S. |
| Class | 3 |
| Marine pollutant | yes (hazardous to the aquatic environment) |
| Packing group | III |
| Danger label(s) | 3, fish and tree |




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|-------------------------|-----|
| Special provisions (SP) | 223 |
|-------------------------|-----|

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| | |
|---|--|
| Excepted quantities (EQ) | E1 |
| Limited quantities (LQ) | 5 L |
| EmS | F-E, S-D |
| Stowage category | A |
| International Civil Aviation Organization (ICAO-IATA/DGR) | |
| UN number | 3295 |
| Proper shipping name | Hydrocarbons, liquid, n.o.s. |
| Class | 3 |
| Environmental hazards | yes (hazardous to the aquatic environment) |
| Packing group | III |
| Danger label(s) | 3 |
|  | |
| Special provisions (SP) | A3 |
| Excepted quantities (EQ) | E1 |
| Limited quantities (LQ) | 10 L |

SECTION 15: Regulatory information

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

National regulations (United States)

15.1.5 **Toxic Substance Control Act (TSCA)** all ingredients are listed
0.1

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 **California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987**
0.6

| Proposition 65 List of chemicals | | | | |
|----------------------------------|---------|-----------|---------|----------------------|
| Name acc. to inventory | CAS No | Conc. | Remarks | Type of the toxicity |
| methanol | 67-56-1 | 0.009 wt% | | developmental |

Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.



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| Category | Rating | Description |
|---------------------|--------|--|
| Chronic | * | chronic (long-term) health effects may result from repeated overexposure |
| Health | 2 | temporary or minor injury may occur |
| 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 | - | |

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 | 3 | material that can be ignited under almost all ambient temperature conditions |
| 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 | | |

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

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 |
| Acute Tox. | Acute toxicity |
| Asp. Tox. | Aspiration hazard |

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| Abbr. | Descriptions of used abbreviations |
|----------------|---|
| ATE | Acute Toxicity Estimate |
| 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) |
| EmS | Emergency Schedule |
| ERG No | Emergency Response Guidebook - Number |
| Flam. Liq. | Flammable liquid |
| GHS | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations |
| 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 |
| MARPOL | International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant") |
| 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 |
| Repr. | Reproductive toxicity |
| Skin Corr. | Corrosive to skin |
| Skin Irrit. | Irritant to skin |
| STEL | Short-term exposure limit |
| STOT SE | Specific target organ toxicity - single exposure |
| 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).



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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. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H332 | Harmful if inhaled. |
| H336 | May cause drowsiness or dizziness. |
| H361d | Suspected of damaging the unborn child. |
| H361f | Suspected of damaging fertility. |
| H361fd | Suspected of damaging fertility. Suspected of damaging the unborn child. |

Disclaimer

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