# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

# Refresh Your Car Mini Diffuser New Car and Cool Breeze

Version number: 3.0
Replaces version of: 2020-10-21 (2)

Revision: 2020-12-02

## SECTION 1: Identification

### 1.1 Product identifier

Trade name: **Refresh Your Car Mini Diffuser New Car and Cool Breeze**

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

Relevant identified uses: Consumer use: Air Freshener

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

Energizer Manufacturing, Inc.
25225 Detroit Rd.
Westlake OH 44145
United States

Telephone: 800-383-7323; 314-985-2000 (USA / CANADA)
Website: http://data.energizer.com

Energizer Trading Ltd.
Sword House, Totteridge Road, High Wycombe, HP13 6DG, UK

Telephone: +44(0)8000353376
e-mail: ConsumerServiceEU@energizer.com

### 1.4 Emergency telephone number

Emergency information service: 1-314-985-1511 Int'l: 1-800-526-4727
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 state-ment |
|---|---|---|---|---|
| A.4S | skin sensitization | 1 | Skin Sens. 1 | H317 |
| 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.

### 2.2 Label elements

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

- Signal word warning

- Pictograms

GHS07

- Hazard statements

| | |
|---|---|
| H227 | Combustible liquid. |
| H317 | May cause an allergic skin reaction. |

- Precautionary statements

| | |
|---|---|
| P101 | If medical advice is needed, have product container or label at hand. |
| P102 | Keep out of reach of children. |
| P103 | Read label before use. |
| P210 | Keep away from heat/sparks/open flames/hot surfaces. No smoking. |
| P261 | Avoid breathing mist/vapors. |
| P272 | Contaminated work clothing must not be allowed out of the workplace. |
| P280 | Wear protective gloves/eye protection/face protection. |
| P302+P352 | If on skin: Wash with plenty of water. |
| P321 | Specific treatment (see on this label). |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P363 | Wash contaminated clothing before reuse. |
| P370+P378 | In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish. |
| P403+P235 | Store in a well-ventilated place. Keep cool. |
| P501 | Dispose of contents/container in accordance with national regulations. |

2.2.1.7 - Hazardous ingredients for labelling: dipentene, Linalool, Linalyl acetate, citral, Dimethyl-cyclohex-3-ene-1-carbaldehyde, Cyclamal, allyl 3-cyclohexylpropionate, Eugenol

## 2.3 Other hazards

This material is combustible, but will not ignite readily.

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

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

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## 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 |
|---|---|---|---|---|
| Hexyl Acetate | CAS No<br>142-92-7 | 5 – < 10 | Flam. Liq. 3 / H226 |  |
| Phenethyl alcohol | CAS No<br>60-12-8 | 1 – < 5 | Acute Tox. 4 / H302<br>Acute Tox. 4 / H332<br>Eye Irrit. 2 / H319 |  |
| dipentene | CAS No<br>138-86-3<br>5989-27-5<br>5989-54-8 | 1 – < 5 | Acute Tox. 4 / H312<br>Skin Irrit. 2 / H315<br>Skin Sens. 1 / H317<br>Flam. Liq. 3 / H226 |  |
| Linalool | CAS No<br>78-70-6 | 1 – < 5 | Skin Irrit. 2 / H315<br>Eye Irrit. 2 / H319<br>Skin Sens. 1B / H317<br>Flam. Liq. 4 / H227 |  |
| 3-methylbutyl butyrate | CAS No<br>106-27-4 | 1 – < 5 | Flam. Liq. 3 / H226 |  |
| (2-methoxymethylethoxy)propanol | CAS No<br>34590-94-8 | 1 – < 5 | Flam. Liq. 4 / H227 | |
| Linalyl acetate | CAS No<br>115-95-7 | < 1 | Skin Irrit. 2 / H315<br>Eye Irrit. 2 / H319<br>Skin Sens. 1B / H317<br>Flam. Liq. 4 / H227 |  |
| citral | CAS No<br>5392-40-5 | < 1 | Skin Irrit. 2 / H315<br>Eye Irrit. 2 / H319<br>Skin Sens. 1B / H317<br>Asp. Tox. 1 / H304 |  |
| Dimethylcyclohex-3-ene-1-carbaldehyde | CAS No<br>27939-60-2 | < 1 | Skin Irrit. 2 / H315<br>Eye Irrit. 2 / H319<br>Skin Sens. 1B / H317<br>Flam. Liq. 4 / H227 |  |
| allyl 3-cyclohexylpropionate | CAS No<br>2705-87-5 | < 1 | Acute Tox. 4 / H302<br>Acute Tox. 4 / H312<br>Acute Tox. 4 / H332<br>Skin Sens. 1B / H317 |  |

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| Name of substance | Identifier | Wt% | Classification acc. to GHS | Pictograms |
|---|---|---|---|---|
| allyl (3-methylbutoxy)acetate | CAS No 67634-00-8 | < 1 | Acute Tox. 4 / H302<br>Acute Tox. 2 / H330<br>Flam. Liq. 4 / H227 |  |
| Eugenol | CAS No 97-53-0 | < 1 | Acute Tox. 4 / H302<br>Eye Irrit. 2 / H319<br>Skin Sens. 1B / H317 |  |
| Cyclamal | CAS No 103-95-7 | < 1 | Skin Irrit. 2 / H315<br>Skin Sens. 1B / H317 |  |

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. 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.

Hazardous combustion products

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.

### 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.

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## 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 | (2-methoxy-methylethoxy)propanol | 34590-94-8 | TLV® | 100 | | 150 | | | | | ACGIH® 2019 |
| US | dipropylene glycol methyl ether | 34590-94-8 | PEL (CA) | 100 | 600 | 150 | 900 | | | | Cal/OSHA PEL |
| US | dipropylene glycol methyl ether | 34590-94-8 | REL | 100 (10 h) | 600 (10 h) | 150 | 900 | | | | NIOSH REL |
| US | dipropylene glycol methyl ether | 34590-94-8 | PEL | 100 | 600 | | | | | | 29 CFR 1910.1000 |
| US | citral | 5392-40-5 | TLV® | 5 | | | | | | iv | ACGIH® 2019 |

Notation

| | |
|---|---|
| Ceiling-C | ceiling value is a limit value above which exposure should not occur |
| iv | inhalable fraction and vapor |
| STEL | 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 |
|---|---|---|---|---|---|---|
| Hexyl Acetate | 142-92-7 | DNEL | 48 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| Hexyl Acetate | 142-92-7 | DNEL | 14 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| (2-methoxymethylethoxy)propanol | 34590-94-8 | DNEL | 308 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| (2-methoxymethylethoxy)propanol | 34590-94-8 | DNEL | 283 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |

# Refresh Your Car Mini Diffuser New Car and Cool Breeze



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 |
|---|---|---|---|---|---|---|
| Phenethyl alcohol | 60-12-8 | DNEL | 59.9 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| Phenethyl alcohol | 60-12-8 | DNEL | 21.2 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| Linalool | 78-70-6 | DNEL | 2.8 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| Linalool | 78-70-6 | DNEL | 16.5 mg/m³ | 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 |
| Linalyl acetate | 115-95-7 | DNEL | 2.75 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| Linalyl acetate | 115-95-7 | DNEL | 2.5 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| Linalyl acetate | 115-95-7 | DNEL | 236.2 µg/cm² | human, dermal | worker (industry) | chronic - local effects |
| Linalyl acetate | 115-95-7 | DNEL | 236.2 µg/cm² | human, dermal | worker (industry) | acute - local effects |
| allyl (3-methylbutoxy)acetate | 67634-00-8 | DNEL | 4.93 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| allyl (3-methylbutoxy)acetate | 67634-00-8 | DNEL | 1.4 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| citral | 5392-40-5 | DNEL | 9 mg/m³ | 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/cm² | human, dermal | worker (industry) | chronic - local effects |
| allyl 3-cyclohexylpropionate | 2705-87-5 | DNEL | 15 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| allyl 3-cyclohexylpropionate | 2705-87-5 | DNEL | 4.3 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| Eugenol | 97-53-0 | DNEL | 21.2 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |

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 |
|---|---|---|---|---|---|---|
| Eugenol | 97-53-0 | DNEL | 6 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| Dimethylcyclohex-3-ene-1-carbaldehyde | 27939-60-2 | DNEL | 7.3 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| Dimethylcyclohex-3-ene-1-carbaldehyde | 27939-60-2 | DNEL | 2.1 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| Dimethylcyclohex-3-ene-1-carbaldehyde | 27939-60-2 | DNEL | 1,163 µg/cm² | human, dermal | worker (industry) | chronic - local effects |
| Cyclamal | 103-95-7 | DNEL | 5.83 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| Cyclamal | 103-95-7 | DNEL | 1.67 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| Cyclamal | 103-95-7 | DNEL | 7.43 µg/cm² | human, dermal | worker (industry) | chronic - local effects |

Relevant PNECs of components of the mixture

| Name of substance | CAS No | End-point | Threshold level | Organism | Environmental compartment | Exposure time |
|---|---|---|---|---|---|---|
| Hexyl Acetate | 142-92-7 | PNEC | 0.044 mg/l | aquatic organisms | water | intermittent release |
| Hexyl Acetate | 142-92-7 | PNEC | 0.004 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| Hexyl Acetate | 142-92-7 | PNEC | 0 mg/l | aquatic organisms | marine water | short-term (single instance) |
| Hexyl Acetate | 142-92-7 | PNEC | 1 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| Hexyl Acetate | 142-92-7 | PNEC | 0.144 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| Hexyl Acetate | 142-92-7 | PNEC | 0.014 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| Hexyl Acetate | 142-92-7 | PNEC | 0.026 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| (2-methoxymethylethoxy)propanol | 34590-94-8 | PNEC | 190 mg/l | aquatic organisms | water | intermittent release |
| (2-methoxymethylethoxy)propanol | 34590-94-8 | PNEC | 19 mg/l | aquatic organisms | freshwater | short-term (single instance) |

Relevant PNECs of components of the mixture

| Name of substance | CAS No | End-point | Threshold level | Organism | Environmental compartment | Exposure time |
|---|---|---|---|---|---|---|
| (2-methoxymethyl-ethoxy)propanol | 34590-94-8 | PNEC | 1.9 mg/l | aquatic organisms | marine water | short-term (single instance) |
| (2-methoxymethyl-ethoxy)propanol | 34590-94-8 | PNEC | 4,168 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| (2-methoxymethyl-ethoxy)propanol | 34590-94-8 | PNEC | 70.2 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| (2-methoxymethyl-ethoxy)propanol | 34590-94-8 | PNEC | 7.02 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| (2-methoxymethyl-ethoxy)propanol | 34590-94-8 | PNEC | 2.74 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| Phenethyl alcohol | 60-12-8 | PNEC | 2.15 mg/l | aquatic organisms | water | intermittent release |
| Phenethyl alcohol | 60-12-8 | PNEC | 0.215 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| Phenethyl alcohol | 60-12-8 | PNEC | 0.021 mg/l | aquatic organisms | marine water | short-term (single instance) |
| Phenethyl alcohol | 60-12-8 | PNEC | 10 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| Phenethyl alcohol | 60-12-8 | PNEC | 1.454 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| Phenethyl alcohol | 60-12-8 | PNEC | 0.145 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| Phenethyl alcohol | 60-12-8 | PNEC | 0.164 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| 3-methylbutyl butyrate | 106-27-4 | PNEC | 3.19 µg/l | aquatic organisms | freshwater | short-term (single instance) |
| 3-methylbutyl butyrate | 106-27-4 | PNEC | 0.319 µg/l | aquatic organisms | marine water | short-term (single instance) |
| 3-methylbutyl butyrate | 106-27-4 | PNEC | 1.51 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| 3-methylbutyl butyrate | 106-27-4 | PNEC | 100 µg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| 3-methylbutyl butyrate | 106-27-4 | PNEC | 10 µg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| 3-methylbutyl butyrate | 106-27-4 | PNEC | 18.1 µg/kg | terrestrial organisms | soil | short-term (single instance) |

Relevant PNECs of components of the mixture

| Name of substance | CAS No | End-point | Threshold level | Organism | Environmental compartment | Exposure time |
|---|---|---|---|---|---|---|
| Linalool | 78-70-6 | PNEC | 7.8 mg/kg | aquatic organisms | water | short-term (single instance) |
| Linalool | 78-70-6 | PNEC | 2 mg/l | aquatic organisms | water | intermittent release |
| 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) |
| Linalyl acetate | 115-95-7 | PNEC | 0.11 mg/l | aquatic organisms | water | intermittent release |
| Linalyl acetate | 115-95-7 | PNEC | 0.011 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| Linalyl acetate | 115-95-7 | PNEC | 0.001 mg/l | aquatic organisms | marine water | short-term (single instance) |
| Linalyl acetate | 115-95-7 | PNEC | 1 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| Linalyl acetate | 115-95-7 | PNEC | 0.609 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| Linalyl acetate | 115-95-7 | PNEC | 0.061 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| Linalyl acetate | 115-95-7 | PNEC | 0.115 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| allyl (3-methylbutoxy)acetate | 67634-00-8 | PNEC | 0.77 µg/l | aquatic organisms | freshwater | short-term (single instance) |
| allyl (3-methylbutoxy)acetate | 67634-00-8 | PNEC | 8.93 µg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| allyl (3-methylbutoxy)acetate | 67634-00-8 | PNEC | 0.893 µg/kg | aquatic organisms | marine sediment | short-term (single instance) |

Relevant PNECs of components of the mixture

| Name of substance | CAS No | End-point | Threshold level | Organism | Environmental compartment | Exposure time |
|---|---|---|---|---|---|---|
| allyl (3-methylbutoxy)acetate | 67634-00-8 | PNEC | 1.33 µg/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) |
| allyl 3-cyclohexylpropionate | 2705-87-5 | PNEC | 143 mg/kg | aquatic organisms | water | short-term (single instance) |
| allyl 3-cyclohexylpropionate | 2705-87-5 | PNEC | 1.3 µg/l | aquatic organisms | water | intermittent release |
| allyl 3-cyclohexylpropionate | 2705-87-5 | PNEC | 0.13 µg/l | aquatic organisms | freshwater | short-term (single instance) |
| allyl 3-cyclohexylpropionate | 2705-87-5 | PNEC | 0.013 µg/l | aquatic organisms | marine water | short-term (single instance) |
| allyl 3-cyclohexylpropionate | 2705-87-5 | PNEC | 0.2 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| allyl 3-cyclohexylpropionate | 2705-87-5 | PNEC | 24.13 µg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| allyl 3-cyclohexylpropionate | 2705-87-5 | PNEC | 2.413 µg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| allyl 3-cyclohexylpropionate | 2705-87-5 | PNEC | 4.75 µg/kg | terrestrial organisms | soil | short-term (single instance) |
| Eugenol | 97-53-0 | PNEC | 11.3 µg/l | aquatic organisms | water | intermittent release |
| Eugenol | 97-53-0 | PNEC | 1.13 µg/l | aquatic organisms | freshwater | short-term (single instance) |
| Eugenol | 97-53-0 | PNEC | 0.113 µg/l | aquatic organisms | marine water | short-term (single instance) |

# Refresh Your Car Mini Diffuser New Car and Cool Breeze



Relevant PNECs of components of the mixture

| Name of substance | CAS No | End-point | Threshold level | Organism | Environmental compartment | Exposure time |
|---|---|---|---|---|---|---|
| Eugenol | 97-53-0 | PNEC | 0.081 $^{mg}/_{kg}$ | aquatic organisms | freshwater sediment | short-term (single instance) |
| Eugenol | 97-53-0 | PNEC | 0.008 $^{mg}/_{kg}$ | aquatic organisms | marine sediment | short-term (single instance) |
| Eugenol | 97-53-0 | PNEC | 0.015 $^{mg}/_{kg}$ | terrestrial organisms | soil | short-term (single instance) |
| Dimethylcyclohex-3-ene-1-carbaldehyde | 27939-60-2 | PNEC | 0.008 $^{mg}/_{l}$ | aquatic organisms | freshwater | short-term (single instance) |
| Dimethylcyclohex-3-ene-1-carbaldehyde | 27939-60-2 | PNEC | 0.001 $^{mg}/_{l}$ | aquatic organisms | marine water | short-term (single instance) |
| Dimethylcyclohex-3-ene-1-carbaldehyde | 27939-60-2 | PNEC | 13.8 $^{mg}/_{l}$ | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| Dimethylcyclohex-3-ene-1-carbaldehyde | 27939-60-2 | PNEC | 0.152 $^{mg}/_{kg}$ | aquatic organisms | freshwater sediment | short-term (single instance) |
| Dimethylcyclohex-3-ene-1-carbaldehyde | 27939-60-2 | PNEC | 0.015 $^{mg}/_{kg}$ | aquatic organisms | marine sediment | short-term (single instance) |
| Dimethylcyclohex-3-ene-1-carbaldehyde | 27939-60-2 | PNEC | 0.023 $^{mg}/_{kg}$ | terrestrial organisms | soil | short-term (single instance) |
| Cyclamal | 103-95-7 | PNEC | 33.3 $^{mg}/_{kg}$ | aquatic organisms | water | short-term (single instance) |
| Cyclamal | 103-95-7 | PNEC | 10.92 $^{µg}/_{l}$ | aquatic organisms | water | intermittent release |
| Cyclamal | 103-95-7 | PNEC | 1.09 $^{µg}/_{l}$ | aquatic organisms | freshwater | short-term (single instance) |
| Cyclamal | 103-95-7 | PNEC | 0.11 $^{µg}/_{l}$ | aquatic organisms | marine water | short-term (single instance) |
| Cyclamal | 103-95-7 | PNEC | 1 $^{mg}/_{l}$ | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| Cyclamal | 103-95-7 | PNEC | 0.126 $^{mg}/_{kg}$ | aquatic organisms | freshwater sediment | short-term (single instance) |
| Cyclamal | 103-95-7 | PNEC | 0.013 $^{mg}/_{kg}$ | aquatic organisms | marine sediment | short-term (single instance) |
| Cyclamal | 103-95-7 | PNEC | 0.025 $^{mg}/_{kg}$ | 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.

- Type of material

PVA: polyvinyl alcohol, Nitrile

- Material thickness

>0.5 mm

- Breakthrough times of the glove material

>120 minutes (permeation: level 4)

- 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 | Conforms to Standard |
| Odor | Conforms to standard |

**Other safety parameters**

| | |
|---|---|
| pH (value) | 3 |
| Melting point/freezing point | not determined |
| Initial boiling point and boiling range | 100 °C |
| Flash point | 73 °C |
| Evaporation rate | not determined |
| Flammability (solid, gas) | not relevant, (fluid) |

Explosive limits

| | |
|---|---|
| - Lower explosion limit (LEL) | 1.1 vol% |
| - Upper explosion limit (UEL) | 14 vol% |

| | |
|---|---|
| Vapor pressure | 10 kPa at 143.6 °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 | not determined |
| Viscosity | not determined |
| Explosive properties | none |
| Oxidizing properties | none |

| | | |
|---|---|---|
| **9.2** | **Other information** | there is no additional information |

# Refresh Your Car Mini Diffuser New Car and Cool Breeze



## 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.

Acute toxicity estimate (ATE) of components of the mixture

| Name of substance | CAS No | Exposure route | ATE |
|---|---|---|---|
| dipentene | 138-86-3<br>5989-27-5<br>5989-54-8 | dermal | 2,000 $^{mg}/_{kg}$ |

Acute toxicity estimate (ATE) of components of the mixture

| Name of substance | CAS No | Exposure route | ATE |
|---|---|---|---|
| Phenethyl alcohol | 60-12-8 | oral | 1,603 $^{mg}/_{kg}$ |
| Phenethyl alcohol | 60-12-8 | inhalation: vapor | 11 $^{mg}/_{l}$/4h |
| Phenethyl alcohol | 60-12-8 | inhalation: dust/mist | 4.63 $^{mg}/_{l}$/4h |
| allyl (3-methylbutoxy)acetate | 67634-00-8 | oral | 500 $^{mg}/_{kg}$ |
| allyl (3-methylbutoxy)acetate | 67634-00-8 | inhalation: vapor | 0.5 $^{mg}/_{l}$/4h |
| allyl (3-methylbutoxy)acetate | 67634-00-8 | inhalation: dust/mist | 0.46 $^{mg}/_{l}$/4h |
| allyl 3-cyclohexylpropionate | 2705-87-5 | oral | 500 $^{mg}/_{kg}$ |
| allyl 3-cyclohexylpropionate | 2705-87-5 | dermal | 1,600 $^{mg}/_{kg}$ |
| allyl 3-cyclohexylpropionate | 2705-87-5 | inhalation: vapor | 11 $^{mg}/_{l}$/4h |
| Eugenol | 97-53-0 | oral | 1,500 $^{mg}/_{kg}$ |

### Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

### Serious eye damage/eye irritation

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

### Respiratory or skin sensitization

May cause an allergic skin 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 |
|---|---|---|---|
| dipentene | 5989-27-5 | 3 | |
| Eugenol | 97-53-0 | 3 | |

Legend
3 Not classifiable as to carcinogenicity in humans

### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

### 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

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 |
|---|---|---|---|---|---|
| Hexyl Acetate | 142-92-7 | EC50 | 9.1 mg/l | aquatic invertebrates | 48 h |
| Hexyl Acetate | 142-92-7 | ErC50 | 12 mg/l | algae | 72 h |
| Hexyl Acetate | 142-92-7 | NOEC | 0.84 mg/l | aquatic invertebrates | 48 h |
| (2-methoxymethyleth-oxy)propanol | 34590-94-8 | LC50 | >1,000 mg/l | fish | 96 h |
| (2-methoxymethyleth-oxy)propanol | 34590-94-8 | ErC50 | >969 mg/l | algae | 72 h |
| (2-methoxymethyleth-oxy)propanol | 34590-94-8 | EC50 | >969 mg/l | algae | 72 h |
| (2-methoxymethyleth-oxy)propanol | 34590-94-8 | NOEC | 969 mg/l | algae | 72 h |
| Phenethyl alcohol | 60-12-8 | LC50 | <464 mg/l | fish | 96 h |
| Phenethyl alcohol | 60-12-8 | EC50 | 287.2 mg/l | aquatic invertebrates | 48 h |
| Phenethyl alcohol | 60-12-8 | ErC50 | 1.3 g/l | algae | 72 h |
| Phenethyl alcohol | 60-12-8 | NOEC | 100 mg/l | fish | 96 h |
| Phenethyl alcohol | 60-12-8 | growth rate (ErCx) 10% | 0.43 g/l | algae | 72 h |
| Phenethyl alcohol | 60-12-8 | growth (EbCx) 10% | 0.3 g/l | algae | 72 h |

# Refresh Your Car Mini Diffuser New Car and Cool Breeze



Aquatic toxicity (acute) of components of the mixture

| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
|---|---|---|---|---|---|
| 3-methylbutyl butyrate | 106-27-4 | LC50 | 3.47 $^{mg}/_{l}$ | fish | 96 h |
| 3-methylbutyl butyrate | 106-27-4 | EC50 | 8.12 $^{mg}/_{l}$ | aquatic invertebrates | 48 h |
| 3-methylbutyl butyrate | 106-27-4 | ErC50 | 4.68 $^{mg}/_{l}$ | algae | 72 h |
| 3-methylbutyl butyrate | 106-27-4 | NOEC | 3.88 $^{mg}/_{l}$ | aquatic invertebrates | 48 h |
| 3-methylbutyl butyrate | 106-27-4 | growth (EbCx) 10% | 7.36 $^{mg}/_{l}$ | aquatic invertebrates | 48 h |
| 3-methylbutyl butyrate | 106-27-4 | growth rate (ErCx) 10% | 3.13 $^{mg}/_{l}$ | 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 |
| Linalool | 78-70-6 | NOEC | <3.5 $^{mg}/_{l}$ | fish | 96 h |
| Linalool | 78-70-6 | growth (EbCx) 10% | 38.4 $^{mg}/_{l}$ | algae | 96 h |
| Linalool | 78-70-6 | growth rate (ErCx) 10% | 54.3 $^{mg}/_{l}$ | algae | 96 h |
| Linalyl acetate | 115-95-7 | ErC50 | 62 $^{mg}/_{l}$ | algae | 72 h |
| Linalyl acetate | 115-95-7 | LC50 | 11 $^{mg}/_{l}$ | fish | 96 h |
| Linalyl acetate | 115-95-7 | EC50 | 59 $^{mg}/_{l}$ | aquatic invertebrates | 48 h |
| Linalyl acetate | 115-95-7 | NOEC | 25 $^{mg}/_{l}$ | aquatic invertebrates | 48 h |
| allyl (3-methylbutoxy)acetate | 67634-00-8 | LC50 | 0.768 $^{mg}/_{l}$ | fish | 96 h |
| allyl (3-methylbutoxy)acetate | 67634-00-8 | EC50 | 2.06 $^{mg}/_{l}$ | algae | 96 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 |
| citral | 5392-40-5 | NOEC | 4.6 $^{mg}/_{l}$ | fish | 96 h |
| citral | 5392-40-5 | growth rate (ErCx) 10% | 3 $^{mg}/_{l}$ | algae | 72 h |

# Refresh Your Car Mini Diffuser New Car and Cool Breeze



Aquatic toxicity (acute) of components of the mixture

| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
|---|---|---|---|---|---|
| allyl 3-cyclohexylpropionate | 2705-87-5 | LC50 | 0.13 mg/l | fish | 96 h |
| allyl 3-cyclohexylpropionate | 2705-87-5 | EC50 | 3.8 mg/l | aquatic invertebrates | 48 h |
| allyl 3-cyclohexylpropionate | 2705-87-5 | ErC50 | 3 mg/l | algae | 72 h |
| allyl 3-cyclohexylpropionate | 2705-87-5 | NOEC | 0.86 mg/l | aquatic invertebrates | 48 h |
| allyl 3-cyclohexylpropionate | 2705-87-5 | growth rate (ErCx) 10% | 1.6 mg/l | algae | 72 h |
| Eugenol | 97-53-0 | LC50 | 13 mg/l | fish | 24 h |
| Eugenol | 97-53-0 | EC50 | 1.05 mg/l | aquatic invertebrates | 48 h |
| Eugenol | 97-53-0 | ErC50 | 24 mg/l | algae | 72 h |
| Eugenol | 97-53-0 | NOEC | 10 mg/l | fish | 24 h |
| Eugenol | 97-53-0 | LOEC | 38 mg/l | algae | 72 h |
| Eugenol | 97-53-0 | growth rate (ErCx) 10% | 23 mg/l | algae | 72 h |
| Eugenol | 97-53-0 | growth (EbCx) 10% | 35 mg/l | algae | 72 h |
| Dimethylcyclohex-3-ene-1-carbaldehyde | 27939-60-2 | LC50 | 15 mg/l | fish | 96 h |
| Dimethylcyclohex-3-ene-1-carbaldehyde | 27939-60-2 | EC50 | 7.74 mg/l | aquatic invertebrates | 48 h |
| Dimethylcyclohex-3-ene-1-carbaldehyde | 27939-60-2 | ErC50 | 22.8 mg/l | algae | 72 h |
| Dimethylcyclohex-3-ene-1-carbaldehyde | 27939-60-2 | NOEC | 3.83 mg/l | algae | 72 h |
| Cyclamal | 103-95-7 | LC50 | 1.42 mg/l | fish | 96 h |
| Cyclamal | 103-95-7 | EC50 | 1.4 mg/l | aquatic invertebrates | 48 h |
| Cyclamal | 103-95-7 | ErC50 | 4.3 mg/l | algae | 72 h |
| Cyclamal | 103-95-7 | LOEC | 2.5 mg/l | algae | 72 h |
| Cyclamal | 103-95-7 | NOEC | 0.72 mg/l | algae | 72 h |

Aquatic toxicity (acute) of components of the mixture

| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
|---|---|---|---|---|---|
| Cyclamal | 103-95-7 | growth rate (ErCx) 10% | 2.6 mg/l | algae | 72 h |
| Cyclamal | 103-95-7 | growth (EbCx) 10% | 2.1 mg/l | algae | 72 h |

Aquatic toxicity (chronic) of components of the mixture

| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
|---|---|---|---|---|---|
| Hexyl Acetate | 142-92-7 | EC50 | 1,000 mg/l | microorganisms | 30 min |
| Hexyl Acetate | 142-92-7 | NOEC | 100 mg/l | microorganisms | 30 min |
| (2-methoxymethyleth-oxy)propanol | 34590-94-8 | LC50 | >1,000 mg/l | aquatic invertebrates | 24 h |
| (2-methoxymethyleth-oxy)propanol | 34590-94-8 | NOEC | ≥0.5 mg/l | aquatic invertebrates | 22 d |
| (2-methoxymethyleth-oxy)propanol | 34590-94-8 | LOEC | 0.5 mg/l | aquatic invertebrates | 22 d |
| (2-methoxymethyleth-oxy)propanol | 34590-94-8 | growth (EbCx) 10% | 4,168 mg/l | microorganisms | 18 h |
| Phenethyl alcohol | 60-12-8 | EC50 | >100 mg/l | microorganisms | 3 h |
| Phenethyl alcohol | 60-12-8 | NOEC | 100 mg/l | microorganisms | 3 h |
| Linalool | 78-70-6 | LC50 | 27.8 mg/l | fish | 24 h |
| Linalool | 78-70-6 | EC50 | >100 mg/l | microorganisms | 30 min |
| Linalool | 78-70-6 | growth (EbCx) 10% | >100 mg/l | microorganisms | 3 h |
| Linalyl acetate | 115-95-7 | LC50 | 11.14 mg/l | fish | 20 h |
| Linalyl acetate | 115-95-7 | NOEC | >25.7 mg/l | microorganisms | 28 d |
| allyl (3-methylbutoxy)acetate | 67634-00-8 | EC50 | 8.47 mg/l | microorganisms | 3 h |
| citral | 5392-40-5 | EC50 | 160 mg/l | microorganisms | 30 min |
| citral | 5392-40-5 | growth (EbCx) 20% | 68 mg/l | microorganisms | 30 min |

Aquatic toxicity (chronic) of components of the mixture

| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
|---|---|---|---|---|---|
| allyl 3-cyclohexylpropionate | 2705-87-5 | EC50 | 7.7 $^{mg}/_{l}$ | aquatic invertebrates | 24 h |
| Eugenol | 97-53-0 | LC50 | 13 $^{mg}/_{l}$ | fish | 24 h |
| Eugenol | 97-53-0 | NOEC | 10 $^{mg}/_{l}$ | fish | 24 h |
| Cyclamal | 103-95-7 | EC50 | 1.7 $^{mg}/_{l}$ | aquatic invertebrates | 21 d |
| Cyclamal | 103-95-7 | NOEC | 0.71 $^{mg}/_{l}$ | aquatic invertebrates | 21 d |

### 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

Data are not available.

### 12.6 Other adverse effects

Endocrine disrupting potential

None of the ingredients are listed.

## 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.

# Refresh Your Car Mini Diffuser New Car and Cool Breeze

Version number: 3.0
Replaces version of: 2020-10-21 (2)

Revision: 2020-12-02

## SECTION 14: Transport information

| | | |
|---|---|---|
| **14.1** | **UN number** | 3082 |
| **14.2** | **UN proper shipping name** | Environmentally hazardous substance, liquid, n.o.s. |
| | Technical name (hazardous ingredients) | 2-t-Butylcyclohexyl Acetate, dipentene |
| **14.3** | **Transport hazard class(es)** | |
| | Class | 9 (environmentally hazardous) |
| **14.4** | **Packing group** | III (substance presenting low danger) |
| **14.5** | **Environmental hazards** | hazardous to the aquatic environment |
| | Environmentally hazardous substance (aquatic environment) | 2-t-Butylcyclohexyl Acetate, dipentene |

**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

Not regulated when carried in single or combination packaging containing a net quantity of 5L or less or 5 kg or less per the following:
DOT: 171.4(2)
ADR: SP 375
IMDG: 2.10.2.7
IATA: special provision A197, DOT

### Transport of dangerous goods by road or rail (49 CFR US DOT)

| | |
|---|---|
| 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., (contains: 2-t-Butylcyclohexyl Acetate, dipentene), 9, III |
| 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. |
| - Particulars in the shipper's declaration | UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (contains: 2-t-Butylcyclohexyl Acetate, dipentene), 9, III |
| 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 |
| 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. |
| - Particulars in the shipper's declaration | UN3082, Environmentally hazardous substance, liquid, n.o.s., (contains: 2-t-Butylcyclohexyl Acetate, dipentene), 9, III |
| 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 |

# Refresh Your Car Mini Diffuser New Car and Cool Breeze

Version number: 3.0
Replaces version of: 2020-10-21 (2)
Revision: 2020-12-02

## SECTION 15: Regulatory information

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

**National regulations (United States)**

**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**

- Cleaning Product Right to Know Act Substance List (CA-RTK)

| Name of substance | Name acc. to inventory | CAS No | Functional-ity | Authoritative Lists |
|---|---|---|---|---|
| Non Hazardous Components | | | fragrance | |
| Dipentene | d-Limonene | 5989-27-5 | | EU Fragrance Allergens |
| Linalool | Linalool | 78-70-6 | | EU Fragrance Allergens |
| Citral | Citral | 5392-40-5 | | EU Fragrance Allergens |
| Eugenol | Eugenol | 97-53-0 | | EU Fragrance Allergens |
| 1-(1,1-dimethylpropyl)-4-ethoxy-cyclohexane | | 181258-87-7 | cleaning agent | |
| Cyclamal | | 103-95-7 | fragrance | |

- Toxic or Hazardous Substance List (MA-TURA)

none of the ingredients are listed

- Hazardous Substances List (MN-ERTK)

| Name of substance | Name acc. to inventory | CAS No | References | Remarks |
|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | Dipropylene glycol methyl ether | 34590-94-8 | A, O | |

Legend
A American Conference of Governmental Industrial Hygienists (ACGIH), "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 1992-93", available from ACGIH
O Occupational Safety and Health Administration (OSHA), Safety and Health Standards, Code of Federal Regulations, title 29, part 1910, subpart Z, "Toxic and Hazardous Substances, 1990." General information: Minnesota Department of Labor and Industry, Occupational Safety and Health Division

- Hazardous Substance List (NJ-RTK)

| Name of substance | Name acc. to inventory | CAS No | Remarks | Classifications |
|---|---|---|---|---|
| dipentene | dipentene | 138-86-3 | | F2 |
| BHT | 2,6-di-tert-butyl-p-cresol (phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-) | 128-37-0 | | |
| (2-methoxymethylethoxy)propanol | dipropylene glycol methyl ether | 34590-94-8 | | F2 |
| Diphenyl ether | phenyl ether | 101-84-8 | | |

Legend
F2 Flammable - Second Degree

- Hazardous Substance List (Chapter 323) (PA-RTK)

| Name of substance | Name acc. to inventory | CAS No | Classification |
|---|---|---|---|
| (2-methoxymethylethoxy)propanol | PROPANOL, (2-METHOXY-METHYLETHOXY)- | 34590-94-8 | |

- Hazardous Substance List (RI-RTK)

| Name of substance | Name acc. to inventory | CAS No | References |
|---|---|---|---|
| BHT | 2,6-Ditert. butyl-p-cresol | 128-37-0 | T |
| (2-methoxymethylethoxy)propanol | Dipropylene glycol methyl ether | 34590-94-8 | T |
| Diphenyl ether | Phenyl ether (vapor) | 101-84-8 | T |

Legend
T Toxicity (ACGIH®)

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

none of the ingredients are listed

### Industry or sector specific available guidance(s)

#### NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

| Category | Rating | Description |
|---|---|---|
| Chronic | / | none |
| 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 | - | |

#### 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 | | |

### National inventories

| Country | Inventory | Status |
|---|---|---|
| AU | AICS | not all ingredients are listed |
| CA | DSL | not all ingredients are listed |
| CA | NDSL | not all ingredients are listed |
| CN | IECSC | not all ingredients are listed |
| EU | ECSI | not all ingredients are listed |

| Country | Inventory | Status |
|---|---|---|
| EU | REACH Reg. | not all ingredients are listed |
| JP | CSCL-ENCS | not all ingredients are listed |
| JP | ISHA-ENCS | not all ingredients are listed |
| KR | KECI | not all ingredients are listed |
| MX | INSQ | not all ingredients are listed |
| NZ | NZIoC | not all ingredients are listed |
| PH | PICCS | not all ingredients are listed |
| TR | CICR | not all ingredients are listed |
| TW | TCSI | not all ingredients are listed |
| US | TSCA | not all ingredients are listed |

Legend

| | |
|---|---|
| AICS | Australian Inventory of Chemical Substances |
| CICR | Chemical Inventory and Control Regulation |
| CSCL-ENCS | List of Existing and New Chemical Substances (CSCL-ENCS) |
| DSL | Domestic Substances List (DSL) |
| ECSI | EC Substance Inventory (EINECS, ELINCS, NLP) |
| IECSC | Inventory of Existing Chemical Substances Produced or Imported in China |
| INSQ | National Inventory of Chemical Substances |
| ISHA-ENCS | Inventory of Existing and New Chemical Substances (ISHA-ENCS) |
| KECI | Korea Existing Chemicals Inventory |
| NDSL | Non-domestic Substances List (NDSL) |
| NZIoC | New Zealand Inventory of Chemicals |
| PICCS | Philippine Inventory of Chemicals and Chemical Substances (PICCS) |
| REACH Reg. | REACH registered substances |
| TCSI | Taiwan Chemical Substance Inventory |
| 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 |
|---|---|---|---|
| 2.2 | | - Precautionary statements: change in the listing (table) | yes |
| 2.2.1.7 | - Hazardous ingredients for labelling: dipentene, citral, Linalool, allyl 3-cyclohexylpropionate, Dimethylcyclohex-3-ene-1-carbaldehyde, Cyclamal, Eugenol | - Hazardous ingredients for labelling: dipentene, Linalool, Linalyl acetate, citral, Dimethylcyclohex-3-ene-1-carbaldehyde, Cyclamal, allyl 3-cyclohexylpropionate, Eugenol | yes |

# Refresh Your Car Mini Diffuser New Car and Cool Breeze

Version number: 3.0
Replaces version of: 2020-10-21 (2)

Revision: 2020-12-02

| Section | Former entry (text/value) | Actual entry (text/value) | Safety-relev-ant |
|---|---|---|---|
| 3.2 | | Description of the mixture:<br>change in the listing (table) | yes |
| 8.1 | | Relevant DNELs of components of the mixture:<br>change in the listing (table) | yes |
| 8.1 | | Relevant PNECs of components of the mixture:<br>change in the listing (table) | yes |
| 8.2 | | Type of material:<br>PVA: polyvinyl alcohol, Nitrile | yes |
| 8.2 | | Material thickness:<br>>0.5 mm | yes |
| 8.2 | | Breakthrough times of the glove material:<br>>120 minutes (permeation: level 4) | yes |
| 11.1 | | Acute toxicity estimate (ATE) of components of the mixture:<br>change in the listing (table) | yes |
| 11.1 | | IARC Monographs on the Evaluation of Carcino-genic Risks to Humans:<br>change in the listing (table) | yes |
| 12.1 | | Aquatic toxicity (acute) of components of the mix-ture:<br>change in the listing (table) | yes |
| 12.1 | | Aquatic toxicity (chronic) of components of the mixture:<br>change in the listing (table) | yes |
| 15.1 | | Cleaning Product Right to Know Act Substance List (CA-RTK):<br>change in the listing (table) | yes |
| 15.1 | | Hazardous Substance List (NJ-RTK):<br>change in the listing (table) | yes |
| 15.1 | | Hazardous Substance List (RI-RTK):<br>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 Sub-stances (permissible exposure limits) |
| 49 CFR US DOT | 49 CFR U.S. Department of Transportation |
| ACGIH® | American Conference of Governmental Industrial Hygienists |

# Refresh Your Car Mini Diffuser New Car and Cool Breeze

Version number: 3.0
Replaces version of: 2020-10-21 (2)

Revision: 2020-12-02

| Abbr. | Descriptions of used abbreviations |
|---|---|
| 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/OSHA PEL | California Division of Occupational Safety and Health (Cal/OSHA): Permissible Exposure Limits (PELs) |
| 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 |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| ELINCS | European List of Notified Chemical Substances |
| 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 |
| 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 |
| LC50 | Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval |
| LOEC | Lowest Observed Effect Concentration |

# Refresh Your Car Mini Diffuser New Car and Cool Breeze



| Abbr. | Descriptions of used abbreviations |
|---|---|
| MARPOL | International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant") |
| NIOSH REL | National Institute for Occupational Safety and Health (NIOSH): Recommended Exposure Limits (RELs) |
| NLP | No-Longer Polymer |
| NOEC | No Observed Effect Concentration |
| 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 |
| 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 |
| 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 chapter 2 and 3)

# Refresh Your Car Mini Diffuser New Car and Cool Breeze



| Code | Text |
|---|---|
| H226 | Flammable liquid and vapor. |
| H227 | Combustible liquid. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H330 | Fatal if inhaled. |
| H332 | Harmful if inhaled. |

## Disclaimer

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