



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Refresh Diffuser - Fresh Linen

Version number: 3.0
Replaces version of: 2020-06-09 (2)

Revision: 2020-10-21

SECTION 1: Identification

1.1 Product identifier

Trade name

Refresh Diffuser - Fresh Linen

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

Relevant identified uses

Consumer uses

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 statement
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

Refresh Diffuser - Fresh Linen

Version number: 3.0
Replaces version of: 2020-06-09 (2)

Revision: 2020-10-21

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 dust/fume/gas/mist/vapors/spray.

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 local/regional/national/international regulations.

2.2.1.7 - Hazardous ingredients for labelling

Tetramethyl Acetyloctahydronaphthalenes, 1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one, Methyl Ionone, Dimethylcyclohex-3-ene-1-carbaldehyde

2.3 Other hazards

This material is combustible, but will not ignite readily.

Hazards not otherwise classified

Contains 1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one, Dimethylcyclohex-3-ene-1-carbaldehyde, Methyl Ionone, Tetramethyl Acetyloctahydronaphthalenes, Dodecanal. May produce an allergic reaction.

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.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Refresh Diffuser - Fresh Linen

Version number: 3.0
Replaces version of: 2020-06-09 (2)

Revision: 2020-10-21

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
Phenethyl alcohol	CAS No 60-12-8	1 – < 5	Acute Tox. 4 / H302 Acute Tox. 4 / H332 Eye Irrit. 2 / H319	
Pentaerythritol tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	CAS No 6683-19-8	1 – < 5	Acute Tox. 4 / H332	
DMBC Acetate	CAS No 151-05-3	1 – < 5	Skin Irrit. 2 / H315	
Allyl heptanoate	CAS No 142-19-8	1 – < 5	Acute Tox. 3 / H301 Acute Tox. 3 / H311 Flam. Liq. 4 / H227	
Methyl Ionone	CAS No 127-51-5	< 1	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1B / H317	
Dimethylcyclohex-3-ene-1-carbaldehyde	CAS No 27939-60-2	< 1	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1B / H317 Flam. Liq. 4 / H227	
Tetramethyl Acetyloctahydronaphthalenes	CAS No 68155-66-8	< 1	Skin Irrit. 2 / H315 Skin Sens. 1 / H317	
Allyl Caproate	CAS No 123-68-2	< 1	Acute Tox. 3 / H301 Acute Tox. 3 / H311 Acute Tox. 3 / H331 Flam. Liq. 4 / H227	
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one	CAS No 7779-30-8	< 1	Skin Sens. 1 / H317	
Dodecanal	CAS No 112-54-9	< 1	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1B / H317	

For full text of abbreviations: see SECTION 16.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Refresh Diffuser - Fresh Linen

Version number: 3.0
Replaces version of: 2020-06-09 (2)

Revision: 2020-10-21

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.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Refresh Diffuser - Fresh Linen

Version number: 3.0
Replaces version of: 2020-06-09 (2)

Revision: 2020-10-21

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.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Refresh Diffuser - Fresh Linen

Version number: 3.0
Replaces version of: 2020-06-09 (2)

Revision: 2020-10-21

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 feedings.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

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

- Flammability hazards

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

- Ventilation requirements

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

- Packaging compatibilities

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

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m ³]	STEL [ppm]	STEL [mg/m ³]	Ceiling-C [ppm]	Ceiling-C [mg/m ³]	Notation	Source
US	2,6-di-tert-butyl-p-cresol	128-37-0	PEL (CA)		10						Cal/ OSHA PEL
US	2,6-di-tert-butyl-p-cresol	128-37-0	REL		10 (10 h)						NIOSH REL
US	butylated hydroxytoluene	128-37-0	TLV®		2					iv	ACGIH® 2019

Notation

Ceiling-C

iv

STEL

TWA

ceiling value is a limit value above which exposure should not occur
inhalable fraction and vapor

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

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)



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Refresh Diffuser - Fresh Linen

Version number: 3.0
Replaces version of: 2020-06-09 (2)

Revision: 2020-10-21

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/m ³	human, inhalatory	worker (industry)	chronic - system-ic effects
Phenethyl alcohol	60-12-8	DNEL	21.2 mg/kg bw/day	human, dermal	worker (industry)	chronic - system-ic effects
Pentaerythritol tetra-kis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	6683-19-8	DNEL	9.5 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
Pentaerythritol tetra-kis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	6683-19-8	DNEL	10 mg/m ³	human, inhalatory	worker (industry)	chronic - system-ic effects
Pentaerythritol tetra-kis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	6683-19-8	DNEL	89.2 mg/kg bw/day	human, dermal	worker (industry)	chronic - system-ic effects
DMBC Acetate	151-05-3	DNEL	4.4 mg/m ³	human, inhalatory	worker (industry)	chronic - system-ic effects
DMBC Acetate	151-05-3	DNEL	8.33 mg/kg bw/day	human, dermal	worker (industry)	chronic - system-ic effects
Allyl heptanoate	142-19-8	DNEL	2.97 mg/m ³	human, inhalatory	worker (industry)	chronic - system-ic effects
Allyl heptanoate	142-19-8	DNEL	0.84 mg/kg bw/day	human, dermal	worker (industry)	chronic - system-ic effects
Methyl Ionone	127-51-5	DNEL	8.22 mg/m ³	human, inhalatory	worker (industry)	chronic - system-ic effects
Methyl Ionone	127-51-5	DNEL	0.375 mg/kg bw/day	human, dermal	worker (industry)	chronic - system-ic effects
Dimethylcyclohex-3-ene-1-carbaldehyde	27939-60-2	DNEL	7.3 mg/m ³	human, inhalatory	worker (industry)	chronic - system-ic effects
Dimethylcyclohex-3-ene-1-carbaldehyde	27939-60-2	DNEL	2.1 mg/kg bw/day	human, dermal	worker (industry)	chronic - system-ic effects
Dimethylcyclohex-3-ene-1-carbaldehyde	27939-60-2	DNEL	1,163 µg/cm ²	human, dermal	worker (industry)	chronic - local effects
Allyl Caproate	123-68-2	DNEL	15 mg/m ³	human, inhalatory	worker (industry)	chronic - system-ic effects



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Refresh Diffuser - Fresh Linen

Version number: 3.0
Replaces version of: 2020-06-09 (2)

Revision: 2020-10-21

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
Allyl Caproate	123-68-2	DNEL	4.3 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Dodecanal	112-54-9	DNEL	49.7 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Dodecanal	112-54-9	DNEL	14.1 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Dodecanal	112-54-9	DNEL	0.57 µg/cm ²	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
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)
Pentaerythritol tetraakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	6683-19-8	PNEC	0.04 mg/l	aquatic organisms	freshwater	short-term (single instance)
Pentaerythritol tetraakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	6683-19-8	PNEC	0.004 mg/l	aquatic organisms	marine water	short-term (single instance)



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Refresh Diffuser - Fresh Linen

Version number: 3.0
Replaces version of: 2020-06-09 (2)

Revision: 2020-10-21

Relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Pentaerythritol tetra-kis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	6683-19-8	PNEC	1 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Pentaerythritol tetra-kis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	6683-19-8	PNEC	4,000,000 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Pentaerythritol tetra-kis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	6683-19-8	PNEC	0.86 mg/l	aquatic organisms	water	intermittent release
Pentaerythritol tetra-kis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	6683-19-8	PNEC	400,000 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Pentaerythritol tetra-kis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	6683-19-8	PNEC	798,000 mg/kg	terrestrial organisms	soil	short-term (single instance)
DMBC Acetate	151-05-3	PNEC	4.766 µg/l	aquatic organisms	freshwater	short-term (single instance)
DMBC Acetate	151-05-3	PNEC	31.25 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
DMBC Acetate	151-05-3	PNEC	0.189 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
DMBC Acetate	151-05-3	PNEC	0.103 mg/kg	terrestrial organisms	soil	short-term (single instance)
Allyl heptanoate	142-19-8	PNEC	51.78 mg/kg	aquatic organisms	water	short-term (single instance)
Allyl heptanoate	142-19-8	PNEC	1.2 µg/l	aquatic organisms	water	intermittent release
Allyl heptanoate	142-19-8	PNEC	0.12 µg/l	aquatic organisms	freshwater	short-term (single instance)
Allyl heptanoate	142-19-8	PNEC	0.012 µg/l	aquatic organisms	marine water	short-term (single instance)



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Refresh Diffuser - Fresh Linen

Version number: 3.0
Replaces version of: 2020-06-09 (2)

Revision: 2020-10-21

Relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Allyl heptanoate	142-19-8	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Allyl heptanoate	142-19-8	PNEC	0.012 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Allyl heptanoate	142-19-8	PNEC	0.001 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Allyl heptanoate	142-19-8	PNEC	0.002 mg/kg	terrestrial organisms	soil	short-term (single instance)
Methyl Ionone	127-51-5	PNEC	1.43 µg/l	aquatic organisms	freshwater	short-term (single instance)
Methyl Ionone	127-51-5	PNEC	0.143 µg/l	aquatic organisms	marine water	short-term (single instance)
Methyl Ionone	127-51-5	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Methyl Ionone	127-51-5	PNEC	0.443 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Methyl Ionone	127-51-5	PNEC	44.3 µg/kg	aquatic organisms	marine sediment	short-term (single instance)
Methyl Ionone	127-51-5	PNEC	87.8 µg/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)
Allyl Caproate	123-68-2	PNEC	47.56 mg/kg	aquatic organisms	water	short-term (single instance)
Allyl Caproate	123-68-2	PNEC	1.17 µg/l	aquatic organisms	water	intermittent release



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Refresh Diffuser - Fresh Linen

Version number: 3.0
Replaces version of: 2020-06-09 (2)

Revision: 2020-10-21

Relevant PNECs of components of the mixture						
Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Allyl Caproate	123-68-2	PNEC	0.117 µg/l	aquatic organisms	freshwater	short-term (single instance)
Allyl Caproate	123-68-2	PNEC	0.012 µg/l	aquatic organisms	marine water	short-term (single instance)
Allyl Caproate	123-68-2	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Allyl Caproate	123-68-2	PNEC	4.46 µg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Allyl Caproate	123-68-2	PNEC	0.446 µg/kg	aquatic organisms	marine sediment	short-term (single instance)
Allyl Caproate	123-68-2	PNEC	0.825 µg/kg	terrestrial organisms	soil	short-term (single instance)
Dodecanal	112-54-9	PNEC	313 mg/kg	aquatic organisms	water	short-term (single instance)
Dodecanal	112-54-9	PNEC	0.035 mg/l	aquatic organisms	water	intermittent release
Dodecanal	112-54-9	PNEC	0.004 mg/l	aquatic organisms	freshwater	short-term (single instance)
Dodecanal	112-54-9	PNEC	0 mg/l	aquatic organisms	marine water	short-term (single instance)
Dodecanal	112-54-9	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Dodecanal	112-54-9	PNEC	1.41 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Dodecanal	112-54-9	PNEC	0.141 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Dodecanal	112-54-9	PNEC	0.278 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.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Refresh Diffuser - Fresh Linen

Version number: 3.0
Replaces version of: 2020-06-09 (2)

Revision: 2020-10-21

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

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

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Color	blue
Odor	characteristic

Other safety parameters

pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	202.4 °C at 101.3 kPa
Flash point	86 °C
Evaporation rate	not determined
Flammability (solid, gas)	not relevant, (fluid)
Explosive limits	not determined
Vapor pressure	10 kPa at 143.6 °C



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Refresh Diffuser - Fresh Linen

Version number: 3.0
Replaces version of: 2020-06-09 (2)

Revision: 2020-10-21

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
------------	--------------------------	------------------------------------

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



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Refresh Diffuser - Fresh Linen

Version number: 3.0
Replaces version of: 2020-06-09 (2)

Revision: 2020-10-21

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
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
Pentaerythritol tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	6683-19-8	inhalation: dust/mist	1.951 mg/l/4h
Allyl heptanoate	142-19-8	oral	218 mg/kg
Allyl heptanoate	142-19-8	dermal	810 mg/kg
Allyl Caproate	123-68-2	oral	100 mg/kg
Allyl Caproate	123-68-2	dermal	820 mg/kg
Allyl Caproate	123-68-2	inhalation: vapor	3 mg/l/4h

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.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Refresh Diffuser - Fresh Linen

Version number: 3.0
Replaces version of: 2020-06-09 (2)

Revision: 2020-10-21

Carcinogenicity

Shall not be classified as carcinogenic.

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
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
Pentaerythritol tetra-kis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	6683-19-8	LC50	>100 mg/l	fish	96 h
Pentaerythritol tetra-kis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	6683-19-8	EC50	>86 mg/l	aquatic invertebrates	24 h
Pentaerythritol tetra-kis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	6683-19-8	ErC50	>100 mg/l	algae	72 h
DMBC Acetate	151-05-3	EC50	21.3 mg/l	aquatic invertebrates	24 h
Allyl heptanoate	142-19-8	LC50	0.201 mg/l	fish	24 h
Allyl heptanoate	142-19-8	EC50	0.89 mg/l	aquatic invertebrates	48 h
Allyl heptanoate	142-19-8	ErC50	>4.6 mg/l	algae	72 h



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Refresh Diffuser - Fresh Linen

Version number: 3.0
Replaces version of: 2020-06-09 (2)

Revision: 2020-10-21

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Methyl Ionone	127-51-5	LC50	10.9 mg/l	fish	96 h
Methyl Ionone	127-51-5	EC50	1.428 mg/l	fish	96 h
Methyl Ionone	127-51-5	ErC50	>20 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
Allyl Caproate	123-68-2	LC50	0.201 mg/l	fish	24 h
Allyl Caproate	123-68-2	EC50	2 mg/l	aquatic invertebrates	48 h
Allyl Caproate	123-68-2	ErC50	>4.6 mg/l	algae	72 h
Dodecanal	112-54-9	LC50	2.6 mg/l	fish	96 h
Dodecanal	112-54-9	EC50	>0.27 mg/l	aquatic invertebrates	48 h
Dodecanal	112-54-9	ErC50	>0.048 mg/l	algae	72 h

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Phenethyl alcohol	60-12-8	EC50	>100 mg/l	microorganisms	3 h
Pentaerythritol tetraakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	6683-19-8	EC50	>86 mg/l	aquatic invertebrates	24 h
DMBC Acetate	151-05-3	EC50	684 mg/l	microorganisms	3 h

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Refresh Diffuser - Fresh Linen

Version number: 3.0
Replaces version of: 2020-06-09 (2)

Revision: 2020-10-21

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

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.

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, Tricyclodecenyl propionate
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, Tricyclodecenyl propionate
14.6	Special precautions for user	
	There is no additional information.	

Refresh Diffuser - Fresh Linen

Version number: 3.0
Replaces version of: 2020-06-09 (2)

Revision: 2020-10-21

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, Tricyclodecenyl propionate), 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, Tricyclodecenyl propionate), 9, III
Class	9
Marine pollutant	yes (hazardous to the aquatic environment)
Packing group	III
Danger label(s)	9, fish and tree
	
	




Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Refresh Diffuser - Fresh Linen

Version number: 3.0
Replaces version of: 2020-06-09 (2)

Revision: 2020-10-21

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, Tricyclodecenyl propionate), 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

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



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Refresh Diffuser - Fresh Linen

Version number: 3.0
Replaces version of: 2020-06-09 (2)

Revision: 2020-10-21

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	
Acetoxycyclopentadiene		54830-99-8	fragrance	
2-t-Butylcyclohexyl Acetate		88-41-5	fragrance	
Tricyclodecyl propionate		68912-13-0 17511-60-3	fragrance	
Phenethyl alcohol		60-12-8	fragrance	
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		1222-05-5	fragrance	
BHT		128-37-0	preservative	
Pentaerythritol tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)		6683-19-8	fragrance	
DMBC Acetate		151-05-3	fragrance	
Linalyl acetate		115-95-7	fragrance	
Allyl heptanoate		142-19-8	fragrance	
Methyl Ionone	3-Methyl-4-(2,6,6-tri-methyl-2-cyclohexen-1-yl)-3-buten-2-one	127-51-5	fragrance	EU Fragrance Allergens
Dimethylcyclohex-3-ene-1-carbaldehyde		27939-60-2	fragrance	
Terpineol, acetate		8007-35-0	fragrance	
Citronellyl acetate		150-84-5	fragrance	
Allyl Caproate		123-68-2	fragrance	
Tetramethyl Acetyloctahydronaphthalenes		68155-66-8	fragrance	
Hexyl Acetate		142-92-7	fragrance	
Aldehyde C-14		104-67-6	fragrance	
1-(2,6,6-trimethyl-2-cyclohexen-1-yl)pent-1-en-3-one		7779-30-8	fragrance	



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Refresh Diffuser - Fresh Linen

Version number: 3.0
Replaces version of: 2020-06-09 (2)

Revision: 2020-10-21

Name of substance	Name acc. to inventory	CAS No	Functional-ity	Authoritative Lists
Cyclogalbanate		113889-23-9	fragrance	
Methyl 2-naphthyl ether		93-04-9	fragrance	
2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol		28219-61-6 106185-75-5	fragrance	
Dodecanal		112-54-9	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
BHT	2,6-Di-tert-butyl-p-cresol	128-37-0	A	
BHT	Dust, Inert or Nuisance (When toxic impurities are not present, for example, quartz less than 1 percent.)		A	dust

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

dust If the substance poses an airborne particulate exposure hazard, the substance is followed by the word "dust."

- Hazardous Substance List (NJ-RTK)

Name of substance	Name acc. to inventory	CAS No	Remarks	Classifications
BHT	2,6-di-tert-butyl-p-cresol (phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-)	128-37-0		

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

Name of substance	Name acc. to inventory	CAS No	Classification
BHT	PHENOL, 2,6-BIS(1,1-DIMETHYLETHYL)-4-METHYL-	128-37-0	



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Refresh Diffuser - Fresh Linen

Version number: 3.0
Replaces version of: 2020-06-09 (2)

Revision: 2020-10-21

- 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

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		



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Refresh Diffuser - Fresh Linen

Version number: 3.0
Replaces version of: 2020-06-09 (2)

Revision: 2020-10-21

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
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.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Refresh Diffuser - Fresh Linen

Version number: 3.0
Replaces version of: 2020-06-09 (2)

Revision: 2020-10-21

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
3.2		Description of the mixture: change in the listing (table)	yes
8.1		Relevant DNELs of components of the mixture: change in the listing (table)	yes
8.1		Relevant PNECs of components of the mixture: change in the listing (table)	yes
9.2	Other information	other information: there is no additional information	yes
9.2	Solvent content: 96.84 %		yes
9.2	Solid content: 3.16 %		yes
11.1		Acute toxicity estimate (ATE) of components of the mixture: change in the listing (table)	yes
12.1		Aquatic toxicity (acute) of components of the mixture: change in the listing (table)	yes
12.1		Aquatic toxicity (chronic) of components of the mixture: change in the listing (table)	yes
15.1		Cleaning Product Right to Know Act Substance List (CA-RTK): change in the listing (table)	yes
15.1		Hazardous Substances List (MN-ERTK): change in the listing (table)	yes
15.1		Hazardous Substance List (NJ-RTK): change in the listing (table)	yes
15.1		Hazardous Substance List (Chapter 323) (PA-RTK): change in the listing (table)	yes
15.1		Hazardous Substance List (RI-RTK): change in the listing (table)	yes



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Refresh Diffuser - Fresh Linen

Version number: 3.0
Replaces version of: 2020-06-09 (2)

Revision: 2020-10-21

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
49 CFR US DOT	49 CFR U.S. Department of Transportation
ACGIH®	American Conference of Governmental Industrial Hygienists
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
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



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Refresh Diffuser - Fresh Linen

Version number: 3.0
Replaces version of: 2020-06-09 (2)

Revision: 2020-10-21

Abbr.	Descriptions of used abbreviations
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
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
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
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)



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Refresh Diffuser - Fresh Linen

Version number: 3.0
Replaces version of: 2020-06-09 (2)

Revision: 2020-10-21

Code	Text
H227	Combustible liquid.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic 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.