

Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

Cleansmart Odor-Rific Spring Garden

Version number: GHS 3.0
Replaces version of: 2018-10-29 (GHS 2)

revision: 2018-10-29

SECTION 1: Identification

1.1 Product identifier

Trade name **Cleansmart Odor-Rific Spring Garden**

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

Relevant identified uses odor neutralizer

1.3 Details of the supplier of the safety data sheet

Cleansmart Technologies
P. O. Box 2126
Loveland, Co. 80539
877-701-5271

1.4 Emergency telephone number

Emergency information service **USA 1.800.535.5053, INTL 1.352.323.3500**
24 hour emergency telephone number.

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

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

| Annex | - | Hazard class and category | - | Hazard statement code(s) | |
|-------|---|-----------------------------------|--------|--------------------------|------|
| A.11 | | acute toxicity (inhal.) | Cat. 3 | (Acute Tox. 3) | H331 |
| A.3 | | serious eye damage/eye irritation | Cat. 2 | (Eye Irrit. 2) | H319 |
| A.4S | | skin sensitization | Cat. 1 | (Skin Sens. 1) | H317 |

Remarks

For full text of H-phrases: see SECTION 16.

Hazards not otherwise classified

Contains 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2naphtalenyl)ethanone. May produce an allergic reaction.
Harmful to aquatic life (GHS category 3: aquatic toxicity - acute).

2.2 Label elements

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

Signal word danger

Pictograms

GHS06, GHS07



Hazard statements

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.

Precautionary statements

Precautionary statements - prevention

Avoid breathing dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.

Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

Cleansmart Odor-Rific Spring Garden

Version number: GHS 3.0
Replaces version of: 2018-10-29 (GHS 2)

revision: 2018-10-29

Precautionary statements - response

If on skin: Wash with plenty of water.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Call a poison center/doctor.

Specific treatment (see on this label).

Wash contaminated clothing before reuse.

Precautionary statements - storage

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Precautionary statements - disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazardous ingredients for labelling

1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2naphtalenyl)ethanone, Alcohols, C9-11 ethoxylated, alkyl dimethyl ethylbenzyl ammonium chloride, quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides

2.3 Other hazards

There is no additional information.

SECTION 3: Composition/information on ingredients

3.1 Substances

not relevant (mixture)

3.2 Mixtures

Description of the mixture

| Name of substance | Identifier | Wt% | Hazard class and category | | Hazard statement | Notes |
|--|--|-----------|---------------------------|---------------|------------------|-------|
| Alcohols, C9-11 ethoxylated | CAS No 68439-46-3 | 1 - < 3 | A.1O | Acute Tox. 4 | H302 | |
| | | | A.1D | Acute Tox. 4 | H312 | |
| | | | A.3 | Eye Dam. 1 | H318 | |
| quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides | CAS No 68391-01-5 EC No 264-151-6 | 0.1 - < 1 | A.1O | Acute Tox. 4 | H302 | |
| | | | A.1D | Acute Tox. 3 | H311 | |
| | | | A.1I | Acute Tox. 1 | H330 | |
| | | | A.2 | Skin Corr. 1B | H314 | |
| | | | A.3 | Eye Dam. 1 | H318 | |
| alkyl dimethyl ethylbenzyl ammonium chloride | CAS No 85409-23-0 68956-79-6 EC No 287-090-7 | 0.1 - < 1 | A.1O | Acute Tox. 4 | H302 | |
| | | | A.1D | Acute Tox. 3 | H311 | |
| | | | A.1I | Acute Tox. 1 | H330 | |
| | | | A.2 | Skin Corr. 1B | H314 | |
| | | | A.3 | Eye Dam. 1 | H318 | |
| 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2naphtalenyl)ethanone | CAS No 54464-57-2 EC No 259-174-3 | 0.1 - < 1 | A.2 | Skin Irrit. 2 | H315 | |
| | | | A.4S | Skin Sens. 1 | H317 | |

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

Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

Cleansmart Odor-Rific Spring Garden

Version number: GHS 3.0
Replaces version of: 2018-10-29 (GHS 2)

revision: 2018-10-29

SECTION 4: First-aid measures

4.1

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

Provide fresh air.

Following skin contact

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.

Following eye contact

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

Following ingestion

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

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

water spray, alcohol resistant foam, BC-powder, carbon dioxide (CO₂)

Unsuitable extinguishing media

water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

nitrogen oxides (NO_x), carbon monoxide (CO), carbon dioxide (CO₂)

5.3 Advice for firefighters

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

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

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Advices on how to contain a spill

Covering of drains.

Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

Cleansmart Odor-Rific Spring Garden

Version number: GHS 3.0
Replaces version of: 2018-10-29 (GHS 2)

revision: 2018-10-29

Advices on how to clean up a spill

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

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

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

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. Use only in well-ventilated areas.

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

Incompatible substances or mixtures

Observe compatible storage of chemicals.

Control of the effects

Protect against external exposure, such as

frost

Consideration of other advice

Ventilation requirements

Keep any substance that emits harmful vapors or gases in a place that allows these to be permanently extracted.

Packaging compatibilities

Only packagings which are approved (e.g. acc. to DOT) 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

National limit values

Occupational exposure limit values (Workplace Exposure Limits)

No information available.

Relevant DNELs/DMELs/PNECs and other threshold levels

No data available.

Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

Cleansmart Odor-Rific Spring Garden

Version number: GHS 3.0
Replaces version of: 2018-10-29 (GHS 2)

revision: 2018-10-29

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

• hand protection

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

• other protection measures

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

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

| | |
|----------------|-----------|
| Physical state | liquid |
| Color | off-white |
| Odor | fresh |

Other physical and chemical parameters

| | |
|---|-------------------------------------|
| pH (value) | 6.5 – 7.5 (25 °C) |
| Melting point/freezing point | <-20 °C at 1,013 hPa |
| Initial boiling point and boiling range | 100 °C |
| Flash point | no flash (closed cup) |
| Evaporation rate | not determined |
| Flammability (solid, gas) | not relevant (fluid) |
| Explosive limits | not determined |
| Vapor pressure | 31.69 hPa at 25 °C |
| Density | 0.98 – 1.02 g/cm ³ |
| Solubility(ies) | |
| Water solubility | miscible in any proportion |
| Partition coefficient | |
| n-octanol/water (log KOW) | This information is not available. |
| Auto-ignition temperature | 311 °C |
| Viscosity | not determined |
| Explosive properties | none |
| Oxidizing properties | none |
| | There is no additional information. |

Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

Cleansmart Odor-Rific Spring Garden

Version number: GHS 3.0
Replaces version of: 2018-10-29 (GHS 2)

revision: 2018-10-29

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

Physical stresses which might result in a hazardous situation and have to be avoided

strong shocks

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

Toxic if inhaled.

Acute toxicity estimate (ATE)

inhalation: vapor 3.057 mg_i/4h
inhalation: dust/mist 0.8254 mg_i/4h

Acute toxicity of components of the mixture

| Name of substance | CAS No | Exposure route | ATE |
|--|------------|-----------------------|----------------------------|
| Alcohols, C9-11 ethoxylated | 68439-46-3 | oral | 1,200 mg/kg |
| Alcohols, C9-11 ethoxylated | 68439-46-3 | dermal | 2,000 mg/kg |
| quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides | 68391-01-5 | oral | 304.5 mg/kg |
| quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides | 68391-01-5 | dermal | 930 mg/kg |
| quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides | 68391-01-5 | inhalation: vapor | 0.05 mg _i /4h |
| quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides | 68391-01-5 | inhalation: dust/mist | 0.0135 mg _i /4h |

Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

Cleansmart Odor-Rific Spring Garden

Version number: GHS 3.0
Replaces version of: 2018-10-29 (GHS 2)

revision: 2018-10-29

| Name of substance | CAS No | Exposure route | ATE |
|--|--------------------------|-----------------------|---------------|
| alkyl dimethyl ethylbenzyl ammonium chloride | 85409-23-0 68956-79-6 | oral | 304.5 mg/kg |
| alkyl dimethyl ethylbenzyl ammonium chloride | 85409-23-0 68956-79-6 | dermal | 930 mg/kg |
| alkyl dimethyl ethylbenzyl ammonium chloride | 85409-23-0 68956-79-6 | inhalation: vapor | 0.05 mg//4h |
| alkyl dimethyl ethylbenzyl ammonium chloride | 85409-23-0 68956-79-6 | inhalation: dust/mist | 0.0135 mg//4h |

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitization

May cause an allergic skin reaction.

Summary of evaluation of the CMR properties

Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

Carcinogenicity

- National Toxicology Program (United States): none of the ingredients are listed
- IARC Monographs

| Name of substance | Name acc. to inventory | CAS No | wt% | Classification | Remarks | Number |
|-------------------|------------------------|----------|--------|----------------|---------|----------------------------|
| Benzyl acetate | benzyl acetate | 140-11-4 | 0.1402 | 3 | | Volume 40, Sup 7, 71 |

Legend

3 Not classifiable as to carcinogenicity in humans.

- OSHA Carcinogens (United States) none of the ingredients are listed

Specific target organ toxicity (STOT)

Shall not be classified as a specific target organ toxicant.

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

SECTION 12: Ecological information

12.1 Toxicity

Harmful to aquatic life.

Aquatic toxicity (acute)

Shall not be classified as hazardous to the aquatic environment.

Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

Cleansmart Odor-Rific Spring Garden

Version number: GHS 3.0
Replaces version of: 2018-10-29 (GHS 2)

revision: 2018-10-29

Aquatic toxicity (acute) of components of the mixture

| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
|---|------------|----------|-----------|-----------------------|---------------|
| Alcohols, C9-11 ethoxylated | 68439-46-3 | LC50 | 7 mg/l | fish | 96 h |
| Alcohols, C9-11 ethoxylated | 68439-46-3 | EC50 | 2.5 mg/l | aquatic invertebrates | 48 h |
| 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2naphthalenyl)ethanone | 54464-57-2 | EC50 | >2.6 mg/l | algae | 72 h |
| 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2naphthalenyl)ethanone | 54464-57-2 | EC50 | 1.38 mg/l | daphnia magna | 48 h |
| 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2naphthalenyl)ethanone | 54464-57-2 | LC50 | 1.3 mg/l | bluegill | 96 h |

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

Bioaccumulative potential of components of the mixture

| Name of substance | CAS No | BCF | Log KOW | BOD5/COD |
|-----------------------------|------------|-----|---------|----------|
| Alcohols, C9-11 ethoxylated | 68439-46-3 | | 3.75 | |

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

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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

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.

Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

Cleansmart Odor-Rific Spring Garden

Version number: GHS 3.0
Replaces version of: 2018-10-29 (GHS 2)

revision: 2018-10-29

SECTION 14: Transport information

| | | |
|-------------|--|--|
| 14.1 | UN number | 2810 |
| 14.2 | UN proper shipping name | Toxic liquid, organic, n.o.s. |
| 14.3 | Transport hazard class(es) Class | 6.1 (toxic substances) |
| 14.4 | Packing group | III (substance presenting low danger) |
| 14.5 | Environmental hazards | none (non-environmentally hazardous acc. to the dangerous goods regulations) |
| 14.6 | Special precautions for user There is no additional information. | |
| 14.7 | Transport in bulk according to Annex II of MARPOL and the IBC Code The cargo is not intended to be carried in bulk. | |

Information for each of the UN Model Regulations

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

| | |
|----------------------|-------------------------------|
| Index number | 2810 |
| Proper shipping name | Toxic liquid, organic, n.o.s. |
| Class | 6.1 |
| Packing group | III |
| Danger label(s) | 6.1 |



| | |
|-------------------------|--------------------|
| Special provisions (SP) | IB3, T7, TP1, TP28 |
| ERG No | 153 |

• International Maritime Dangerous Goods Code (IMDG)

| | |
|----------------------|-------------------------------|
| UN number | 2810 |
| Proper shipping name | TOXIC LIQUID, ORGANIC, N.O.S. |
| Class | 6.1 |
| Packing group | III |
| Danger label(s) | 6.1 |



| | |
|--------------------------|----------|
| Special provisions (SP) | 223, 274 |
| Excepted quantities (EQ) | E1 |
| Limited quantities (LQ) | 5 L |
| EmS | F-A, S-A |
| Stowage category | A |

• International Civil Aviation Organization (ICAO-IATA/DGR)

| | |
|-----------|------|
| UN number | 2810 |
|-----------|------|

Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

Cleansmart Odor-Rific Spring Garden

Version number: GHS 3.0
Replaces version of: 2018-10-29 (GHS 2)

revision: 2018-10-29

| | |
|----------------------|-------------------------------|
| Proper shipping name | Toxic liquid, organic, n.o.s. |
| Class | 6.1 |
| Packing group | III |
| Danger label(s) | 6.1 |



| | |
|--------------------------|--------------|
| Special provisions (SP) | A3, A4, A137 |
| Excepted quantities (EQ) | E1 |
| Limited quantities (LQ) | 2 L |

SECTION 15: Regulatory information

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

National regulations (United States)

Toxic Substance Control Act (TSCA)

all ingredients are listed or exempt from listing

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

Drug precursors, Controlled Substances Act (21 U.S.C. § 802)

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 | * | Chronic (long-term) health effects may result from repeated overexposure. |
| Health | 2 | Temporary or minor injury may occur. |
| Flammability | 1 | Material that must be preheated 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)

Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

Cleansmart Odor-Rific Spring Garden

Version number: GHS 3.0
Replaces version of: 2018-10-29 (GHS 2)

revision: 2018-10-29

| Category | Degree of hazard | Description |
|----------------|------------------|---|
| Flammability | 1 | Material that must be preheated before ignition can occur. |
| Health | 3 | Material that, under emergency conditions, can cause serious or permanent injury. |
| Instability | 0 | Material that is normally stable, even under fire conditions. |
| Special hazard | | |

Proposition 65 List of chemicals

| Name of substance | CAS No | Wt% | Remarks | Type of the toxicity |
|-------------------|---------|---------|------------------------|----------------------|
| ethanol | 64-17-5 | 0.09814 | in alcoholic beverages | cancer |
| ethanol | 64-17-5 | 0.09814 | in alcoholic beverages | developmental |

Relevant European Union (EU) safety, health and environmental provisions

Classification according to GHS (1272/2008/EC, CLP)

Hazard class

acute toxicity (inhal.)
serious eye damage/eye irritation

Category Hazard class and category

3 (Acute Tox. 3)
2 (Eye Irrit. 2)

National inventories

| Country | Inventory | Status |
|---------|------------|--------------------------------|
| CA | DSL | not all ingredients are listed |
| EU | REACH Reg. | not all ingredients are listed |

Legend

DSL Domestic Substances List (DSL).
REACH Reg. REACH registered substances.

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

16.1 Indication of changes (revised safety data sheet)

| Section | Former entry (text/value) | Actual entry (text/value) | Safety-relevant |
|---------|---------------------------|--|-----------------|
| 2.1 | | Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200): change in the listing (table) | yes |
| 2.1 | | Hazards not otherwise classified: change in the listing (table) | yes |
| 2.2 | | Hazard statements: change in the listing (table) | yes |
| 2.2 | | Precautionary statements - prevention: change in the listing (table) | yes |
| 2.2 | | Precautionary statements - response: change in the listing (table) | yes |
| 2.2 | | Precautionary statements - disposal | yes |
| 2.2 | | Precautionary statements - disposal: change in the listing (table) | yes |

Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

Cleansmart Odor-Rific Spring Garden

Version number: GHS 3.0
Replaces version of: 2018-10-29 (GHS 2)

revision: 2018-10-29

| Section | Former entry (text/value) | Actual entry (text/value) | Safety-relevant |
|---------|---|---|-----------------|
| 2.2 | Hazardous ingredients for labelling: Alcohols, C9-11 ethoxylated, alkyl dimethyl ethylbenzyl ammonium chloride, quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides | Hazardous ingredients for labelling: 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2naphtalenyl)ethanone, Alcohols, C9-11 ethoxylated, alkyl dimethyl ethylbenzyl ammonium chloride, quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides | yes |
| 3.2 | | Description of the mixture: change in the listing (table) | yes |
| 5.2 | Hazardous combustion products: nitrogen oxides (NOx) | Hazardous combustion products: nitrogen oxides (NOx), carbon monoxide (CO), carbon dioxide (CO2) | yes |
| 9.1 | Melting point/freezing point: not determined | Melting point/freezing point: <-20 °C at 1,013 hPa | yes |
| 11.1 | Respiratory or skin sensitization: Shall not be classified as a respiratory or skin sensitizer. | Respiratory or skin sensitization: May cause an allergic skin reaction. | yes |
| 11.1 | • IARC Monographs: none of the ingredients are listed | • IARC Monographs | yes |
| 11.1 | | • IARC Monographs: change in the listing (table) | yes |
| 12.1 | | Aquatic toxicity (acute) of components of the mixture: change in the listing (table) | yes |
| 15.1 | | NPCA-HMIS® III: change in the listing (table) | yes |
| 15.1 | | NFPA® 704: change in the listing (table) | yes |
| 16.2 | | Abbreviations and acronyms: change in the listing (table) | yes |
| 16.5 | | List of relevant phrases (code and full text as stated in chapter 2 and 3): change in the listing (table) | yes |

16.2 Abbreviations and acronyms

| Abbr. | Descriptions of used abbreviations |
|---------------|--|
| 49 CFR US DOT | 49 CFR § 40 U.S. Department of Transportation |
| Acute Tox. | Acute toxicity |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| BOD | Biochemical Oxygen Demand |
| CAS | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances) |
| CLP | Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures |
| CMR | Carcinogenic, Mutagenic or toxic for Reproduction |
| COD | Chemical oxygen demand |
| DGR | Dangerous Goods Regulations (see IATA/DGR) |
| DMEL | Derived Minimal Effect Level |
| DNEL | Derived No-Effect Level |
| DOT | Department of Transportation (USA) |

Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

Cleansmart Odor-Rific Spring Garden

Version number: GHS 3.0
Replaces version of: 2018-10-29 (GHS 2)

revision: 2018-10-29

| Abbr. | Descriptions of used abbreviations |
|-----------------|---|
| EC No | The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union) |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| ELINCS | European List of Notified Chemical Substances |
| EmS | Emergency Schedule |
| ERG No | Emergency Response Guidebook - Number |
| Eye Dam. | Seriously damaging to the eye |
| Eye Irrit. | Irritant to the eye |
| GHS | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations |
| IARC Monographs | IARC Monographs on the Evaluation of Carcinogenic Risks to Humans |
| 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 |
| log KOW | n-Octanol/water |
| MARPOL | International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant") |
| NFPA® 704 | National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States) |
| 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 |
| Skin Corr. | Corrosive to skin |
| Skin Irrit. | Irritant to skin |
| Skin Sens. | Skin sensitization |
| vPvB | Very Persistent and very Bioaccumulative |

16.3 Key literature references and sources for data

- OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200
- 49 CFR § 172.101 Hazardous Materials Table (DOT)

16.4 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).

Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

Cleansmart Odor-Rific Spring Garden

Version number: GHS 3.0
Replaces version of: 2018-10-29 (GHS 2)

revision: 2018-10-29

16.5

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

| Code | Text |
|------|--|
| H302 | Harmful if swallowed. |
| H311 | Toxic in contact with skin. |
| H312 | Harmful in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H330 | Fatal if inhaled. |
| H331 | Toxic if inhaled. |

16.7

Disclaimer

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