

Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Contaminant Eraser

Version number: GHS 2.0
Replaces version of: 2019-07-11 (GHS 1)

Revision: 2019-12-11

SECTION 1: Identification

1.1 Product identifier

Trade name

Contaminant Eraser

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

Relevant identified uses

Pre-coating surface cleaner

1.3 Details of the supplier of the safety data sheet

Fade To Black Car Care
1510 N Crooks Road
Clawson, MI 48017

Telephone: 1-248-224-7624

e-mail: info@fadetoblackprotectivefilms.com
Website: fadetoblackcarcare.com

fadetoblackcarcare.com

1.4 Emergency telephone number

Emergency information service

USA 1.800.535.5053, INTL 1.352.323.3500
24 hr emergency information

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

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

| Section | Hazard class | Category | Hazard class and category | Hazard statement |
|---------|-----------------------------------|----------|---------------------------|------------------|
| A.3 | serious eye damage/eye irritation | 2 | Eye Irrit. 2 | H319 |
| B.6 | flammable liquid | 3 | Flam. Liq. 3 | H226 |

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources.

2.2 Label elements

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

- Signal word warning

- Pictograms

GHS02, GHS07



- Hazard statements

H226

Flammable liquid and vapor.

H319

Causes serious eye irritation.

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- Precautionary statements

| | |
|----------------|--|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P233 | Keep container tightly closed. |
| P240 | Ground/bond container and receiving equipment. |
| P241 | Use explosion-proof electrical/ventilating/lighting equipment. |
| P242 | Use only non-sparking tools. |
| P243 | Take precautionary measures against static discharge. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P303+P361+P353 | If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P305+P351+P338 | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
| 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. |

2.3 Other hazards

Hazards not otherwise classified

Contains d-limonene. May produce an allergic reaction.
Harmful to aquatic life (GHS category 3: aquatic toxicity - acute).

Results of PBT and vPvB assessment

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

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

| Hazardous ingredients acc. to GHS | | | | |
|-----------------------------------|---------------------|-----------|---|-------|
| Name of substance | Identifier | Wt% | Classification acc. to GHS | Notes |
| Propan-2-ol | CAS No 67-63-0 | 12 - < 20 | Eye Irrit. 2 / H319 STOT SE 3 / H336 Flam. Liq. 2 / H225 | |
| 1-butoxypropan-2-ol | CAS No 5131-66-8 | 1 - < 3 | Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Flam. Liq. 4 / H227 | |
| d-limonene | CAS No 5989-27-5 | 0.1 - < 1 | Skin Irrit. 2 / H315 Skin Sens. 1B / H317 Asp. Tox. 1 / H304 Flam. Liq. 3 / H226 | |

For full text of abbreviations: see SECTION 16. Exact percentage of ingredients is withheld as a trade secret.
This table, if present, includes all GHS classified ingredients present above their cut-off limits, even if the finished product is not classified as hazardous by GHS.

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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.

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

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.

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6.2 Environmental precautions

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.

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- 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-propanol | 67-63-0 | TLV® | 200 | | 400 | | | | | ACGIH® 2019 |
| US | isopropyl alcohol | 67-63-0 | PEL (CA) | 400 | 980 | 500 | 1,225 | | | | Cal/OSHA PEL |
| US | isopropyl alcohol | 67-63-0 | REL | 400 (10 h) | 980 (10 h) | 500 | 1,225 | | | | NIOSH REL |
| US | isopropyl alcohol | 67-63-0 | PEL | 400 | 980 | | | | | | 29 CFR 1910.1000 |

Notation

Ceiling-C
STEL

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

TWA

time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

| Biological limit values | | | | | | |
|-------------------------|---------------|-----------|----------|------------|---------|-------------|
| Country | Name of agent | Parameter | Notation | Identifier | Value | Source |
| US | isopropanol | acetone | | BEI® | 40 mg/l | ACGIH® 2019 |

| Relevant DNELs of components of the mixture | | | | | | |
|---|-----------|----------|-------------------------|------------------------------------|-------------------|----------------------------|
| Name of substance | CAS No | Endpoint | Threshold level | Protection goal, route of exposure | Used in | Exposure time |
| Propan-2-ol | 67-63-0 | DNEL | 888 mg/kg | human, dermal | worker (industry) | chronic - systemic effects |
| Propan-2-ol | 67-63-0 | DNEL | 500 mg/m ³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| 1-butoxypropan-2-ol | 5131-66-8 | DNEL | 44 mg/kg | human, dermal | worker (industry) | chronic - systemic effects |
| 1-butoxypropan-2-ol | 5131-66-8 | DNEL | 270.5 mg/m ³ | human, inhalatory | worker (industry) | chronic - systemic effects |

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| Relevant DNELs of components of the mixture | | | | | | |
|---|-----------|-----------|------------------------|------------------------------------|-------------------|----------------------------|
| Name of substance | CAS No | End-point | Threshold level | Protection goal, route of exposure | Used in | Exposure time |
| d-limonene | 5989-27-5 | DNEL | 33.3 mg/m ³ | human, inhalatory | worker (industry) | chronic - systemic effects |

| Relevant PNECs of components of the mixture | | | | | | |
|---|-----------|-----------|-----------------|-----------------------|------------------------------|------------------------------|
| Name of substance | CAS No | End-point | Threshold level | Organism | Environmental compartment | Exposure time |
| Propan-2-ol | 67-63-0 | PNEC | 140.9 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| Propan-2-ol | 67-63-0 | PNEC | 140.9 mg/l | aquatic organisms | marine water | short-term (single instance) |
| Propan-2-ol | 67-63-0 | PNEC | 2,251 mg/l | microorganisms | sewage treatment plant (STP) | short-term (single instance) |
| Propan-2-ol | 67-63-0 | PNEC | 552 mg/kg | benthic organisms | sediment | short-term (single instance) |
| Propan-2-ol | 67-63-0 | PNEC | 552 mg/kg | pelagic organisms | sediment | short-term (single instance) |
| Propan-2-ol | 67-63-0 | PNEC | 160 mg/kg | (top) predators | water | short-term (single instance) |
| Propan-2-ol | 67-63-0 | PNEC | 28 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| Propan-2-ol | 67-63-0 | PNEC | 140.9 mg/l | aquatic organisms | water | intermittent re-lease |
| 1-butoxypropan-2-ol | 5131-66-8 | PNEC | 0.525 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| 1-butoxypropan-2-ol | 5131-66-8 | PNEC | 0.0525 mg/l | aquatic organisms | marine water | short-term (single instance) |
| 1-butoxypropan-2-ol | 5131-66-8 | PNEC | 10 mg/l | microorganisms | sewage treatment plant (STP) | short-term (single instance) |
| 1-butoxypropan-2-ol | 5131-66-8 | PNEC | 2.36 mg/kg | benthic organisms | sediment | short-term (single instance) |
| 1-butoxypropan-2-ol | 5131-66-8 | PNEC | 0.16 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| 1-butoxypropan-2-ol | 5131-66-8 | PNEC | 5.25 mg/l | aquatic organisms | water | intermittent re-lease |
| 1-butoxypropan-2-ol | 5131-66-8 | PNEC | 0.236 mg/kg | pelagic organisms | sediment | short-term (single instance) |
| d-limonene | 5989-27-5 | PNEC | 5.4 µg/l | aquatic organisms | freshwater | short-term (single instance) |
| d-limonene | 5989-27-5 | PNEC | 0.54 µg/l | aquatic organisms | marine water | short-term (single instance) |
| d-limonene | 5989-27-5 | PNEC | 1.8 mg/l | microorganisms | sewage treatment plant (STP) | short-term (single instance) |
| d-limonene | 5989-27-5 | PNEC | 1.32 mg/kg | benthic organisms | sediment | short-term (single instance) |

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| Relevant PNECs of components of the mixture | | | | | | |
|---|-----------|-----------|-----------------|-----------------------|---------------------------|------------------------------|
| Name of substance | CAS No | End-point | Threshold level | Organism | Environmental compartment | Exposure time |
| d-limonene | 5989-27-5 | PNEC | 0.13 mg/kg | pelagic organisms | sediment | short-term (single instance) |
| d-limonene | 5989-27-5 | PNEC | 0.262 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| d-limonene | 5989-27-5 | PNEC | 3.33 mg/kg | (top) predators | water | short-term (single instance) |

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

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

- Other protection measures

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

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 | light red |
| Odor | fruity |

Other safety parameters

| | |
|---|--------------------|
| pH (value) | 7 (25 °C) |
| Melting point/freezing point | not determined |
| Initial boiling point and boiling range | 82.5 °C |
| Flash point | 30 °C at 101.3 kPa |

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| | |
|---------------------------|---|
| Evaporation rate | not determined |
| Flammability (solid, gas) | not relevant, (fluid) |
| Explosive limits | not determined |
| Vapor pressure | 4.3 kPa at 20 °C |
| Density | not determined |
| Vapor density | this information is not available |
| Relative density | information on this property is not available |

Solubility(ies)

| | |
|--------------------|----------------------------|
| - Water solubility | miscible in any proportion |
|--------------------|----------------------------|

Partition coefficient

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

| | |
|---------------------------|----------------|
| Auto-ignition temperature | 260 °C |
| Viscosity | not determined |
| Explosive properties | none |
| Oxidizing properties | none |

9.2 Other information

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

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Risk of ignition.

If heated:

Risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

10.5 Incompatible materials

Oxidizers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

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

Acute toxicity

Shall not be classified as acutely toxic.

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

Contains d-limonene. May produce an allergic reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

| IARC Monographs on the Evaluation of Carcinogenic Risks to Humans | | | |
|---|-----------|----------------|--------|
| Name of substance | CAS No | Classification | Number |
| d-limonene | 5989-27-5 | 3 | |
| Propan-2-ol | 67-63-0 | 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).

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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) of components of the mixture | | | | | |
|---|-----------|----------|-------------|-----------------------|---------------|
| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
| Propan-2-ol | 67-63-0 | LC50 | 10,000 mg/l | fish | 96 h |
| 1-butoxypropan-2-ol | 5131-66-8 | EC50 | >1,000 mg/l | aquatic invertebrates | 48 h |
| d-limonene | 5989-27-5 | LC50 | 720 µg/l | fish | 96 h |
| d-limonene | 5989-27-5 | EC50 | 688 µg/l | fish | 96 h |

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.

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SECTION 14: Transport information

| | |
|--|---|
| 14.1 UN number | 1987 |
| 14.2 UN proper shipping name | Alcohols, n.o.s. |
| 14.3 Transport hazard class(es) | |
| Class | 3 (flammable liquids) |
| 14.4 Packing group | III (substance presenting low danger) |
| 14.5 Environmental hazards | 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 | 1987 |
| Proper shipping name | Alcohols, n.o.s. |
| - Particulars in the shipper's declaration | UN1987, Alcohols, n.o.s., 3, III |
| Class | 3 |
| Packing group | III |
| Danger label(s) | 3 |



| | |
|-------------------------|-----------------------------|
| Special provisions (SP) | 172, B1, IB3, T4, TP1, TP29 |
| ERG No | 127 |

International Maritime Dangerous Goods Code (IMDG)

| | |
|----------------------|------------------|
| UN number | 1987 |
| Proper shipping name | ALCOHOLS, N.O.S. |
| Class | 3 |
| Marine pollutant | - |
| Packing group | III |
| Danger label(s) | 3 |



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


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| | |
|---|------------------|
| Stowage category | A |
| International Civil Aviation Organization (ICAO-IATA/DGR) | |
| UN number | 1987 |
| Proper shipping name | Alcohols, n.o.s. |
| Class | 3 |
| Packing group | III |
| Danger label(s) | 3 |
|  | |
| Special provisions (SP) | A3, A180 |
| Excepted quantities (EQ) | E1 |
| Limited quantities (LQ) | 10 L |

SECTION 15: Regulatory information

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

National regulations (United States)

Toxic Substance Control Act (TSCA) all ingredients are listed

Superfund Amendment and Reauthorization Act (SARA TITLE III)

- The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)

none of the ingredients are listed

- Specific Toxic Chemical Listings (EPCRA Section 313)

Toxics Release Inventory: Specific Toxic Chemical Listings

| Name acc. to inventory | CAS No | Remarks | Effective date |
|------------------------|---------|---|----------------|
| isopropyl alcohol | 67-63-0 | only persons who manufacture by the strong acid process are subject, supplier notification not required | 1986-12-31 |

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)

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| Name of substance | CAS No | Functionality | Authoritative Lists |
|---|------------|----------------------------|------------------------|
| water | 7732-18-5 | carrier fluid / dis-solver | |
| Propan-2-ol | 67-63-0 | alcohols | OEHHA RELs |
| 1-butoxypropan-2-ol | 5131-66-8 | co-solvent | |
| alcohols, C11-15 secondary, ethoxylated | 84133-50-6 | surfactant | |
| benzyl benzoate | 120-51-4 | fragrance | EU Fragrance Allergens |
| d-limonene | 5989-27-5 | fragrance | EU Fragrance Allergens |
| dipropylene glycol | 25265-71-8 | fragrance | |
| linalool | 78-70-6 | fragrance | EU Fragrance Allergens |
| citral | 5392-40-5 | fragrance | |
| ethyl maltol | 4940-11-8 | fragrance | |
| Linalyl acetate | 115-95-7 | fragrance | |
| propylene glycol | 57-55-6 | humectant | |

- Toxic or Hazardous Substance List (MA-TURA)

| Name of substance | CAS No | DEP CODE | PBT / HHS / LHS | PBT / HHS Threshold | De Minimis Concentration Threshold |
|-------------------|---------|----------|-----------------|---------------------|------------------------------------|
| Propan-2-ol | 67-63-0 | | | | 1.0 % |

- Hazardous Substances List (MN-ERTK)

| Name of substance | CAS No | References | Remarks |
|-------------------|---------|------------|---------|
| Propan-2-ol | 67-63-0 | A, N, 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
- N National Institute for Occupational Safety and Health (NIOSH), "Recommendations for Occupational Safety and Health Standards," August 1988, available from NIOSH, Publications Dissemination Office, Division of Standards Development and Technology Transfer
- 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 | CAS No | Remarks | Classifications |
|-------------------|----------|---------|-----------------|
| d-limonene | 138-86-3 | | F2 |
| Propan-2-ol | 67-63-0 | | F3 |

Legend

- F2 Flammable - Second Degree
- F3 Flammable - Third Degree

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

| Name of substance | CAS No | Classification |
|-------------------|---------|----------------|
| Propan-2-ol | 67-63-0 | E |

Legend

E Environmental hazard

- Hazardous Substance List (RI-RTK)

| Name of substance | CAS No | References |
|-------------------|---------|------------|
| Propan-2-ol | 67-63-0 | T, F |

Legend

F Flammability (NFPA®)
T Toxicity (ACGIH®)

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

| Proposition 65 List of chemicals | | | | |
|----------------------------------|----------|--------------|---------|----------------------|
| Name acc. to inventory | CAS No | Conc. | Remarks | Type of the toxicity |
| beta-Myrcene | 123-35-3 | 0.002197 wt% | | cancer |

VOC content

Regulated Volatile Organic Compounds (VOC-EPA): 18.04 %
Regulated Volatile Organic Compounds (VOC-Cal ARB): 18.04 %

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 | 3 | material that can be ignited under almost all ambient temperature conditions |
| Physical hazard | 0 | material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive |
| Personal protection | - | |

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

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

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| Category | Degree of hazard | Description |
|----------------|------------------|---|
| Flammability | 3 | material that can be ignited under almost all ambient temperature conditions |
| Health | 0 | material that, under emergency conditions, would offer no hazard beyond that of ordinary combustible material |
| Instability | 0 | material that is normally stable, even under fire conditions |
| Special hazard | | |

National inventories

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

Legend

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

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

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

Indication of changes (revised safety data sheet)

| Section | Former entry (text/value) | Actual entry (text/value) | Safety-relevant |
|-----------|--|---|-----------------|
| 1.2 | Relevant identified uses: General use | Relevant identified uses: Pre-coating surface cleaner | yes |
| 2.3 | | Hazards not otherwise classified: change in the listing (table) | yes |
| 3.2 | | Hazardous ingredients acc. to GHS: change in the listing (table) | yes |
| 6.2 | Environmental precautions: Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. | Environmental precautions | yes |
| 8.2 | Respiratory protection: In case of inadequate ventilation wear respiratory protection. | | yes |
| 12.1 | Toxicity: Shall not be classified as hazardous to the aquatic environment. | Toxicity: Harmful to aquatic life. | yes |
| 12.1 | | Aquatic toxicity (acute) of components of the mixture: change in the listing (table) | yes |
| 15.1.50.5 | New Jersey Worker and Community Right to Know Act | | yes |
| 15.1.50.5 | | Right to Know Hazardous Substance List: change in the listing (table) | yes |

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| Section | Former entry (text/value) | Actual entry (text/value) | Safety-relevant |
|---------|--|--|-----------------|
| 15.1 | | Right to Know Hazardous Substance List | yes |
| 15.1 | | Cleaning Product Right to Know Act Substance List (CA-RTK) | yes |
| 15.1 | | Cleaning Product Right to Know Act Substance List (CA-RTK): change in the listing (table) | yes |
| 15.1 | | Toxic or Hazardous Substance List (MA-TURA) | yes |
| 15.1 | | Toxic or Hazardous Substance List (MA-TURA): change in the listing (table) | yes |
| 15.1 | | Hazardous Substances List (MN-ERTK) | yes |
| 15.1 | | Hazardous Substances List (MN-ERTK): change in the listing (table) | yes |
| 15.1 | | Hazardous Substance List (NJ-RTK) | yes |
| 15.1 | | Hazardous Substance List (NJ-RTK): change in the listing (table) | yes |
| 15.1 | | Hazardous Substance List (Chapter 323) (PA-RTK) | yes |
| 15.1 | | Hazardous Substance List (Chapter 323) (PA-RTK): change in the listing (table) | yes |
| 15.1 | | Hazardous Substance List (RI-RTK) | yes |
| 15.1 | | Hazardous Substance List (RI-RTK): change in the listing (table) | yes |
| 15.1 | VOC content: Regulated Volatile Organic Compounds (VOC-EPA): 17.46 % Regulated Volatile Organic Compounds (VOC-Cal ARB): 17.44 % | VOC content: Regulated Volatile Organic Compounds (VOC-EPA): 18.04 % Regulated Volatile Organic Compounds (VOC-Cal ARB): 18.04 % | yes |
| 15.1 | | NPCA-HMIS® III: change in the listing (table) | yes |

Abbreviations and acronyms

| Abbr. | Descriptions of used abbreviations |
|------------------|--|
| 29 CFR 1910.1000 | 29 CFR 1910.1000, Tables Z-1, Z-2, Z-3 - Occupational Safety and Health Standards: Toxic and Hazardous Substances (permissible exposure limits) |
| 49 CFR US DOT | 49 CFR 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 |
| Asp. Tox. | Aspiration hazard |
| Cal/OSHA PEL | California Division of Occupational Safety and Health (Cal/OSHA): Permissible Exposure Limits (PELs) |
| Cal ARB | California Air Resources Board |
| CAS | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances) |
| Ceiling-C | Ceiling value |

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| Abbr. | Descriptions of used abbreviations |
|----------------|--|
| DEP CODE | Department of Environmental Protection Code |
| DGR | Dangerous Goods Regulations (see IATA/DGR) |
| DNEL | Derived No-Effect Level |
| DOT | Department of Transportation (USA) |
| EC50 | Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval |
| EmS | Emergency Schedule |
| EPA | Environmental Protection Agency. An agency of the federal government of the United States charged with protecting human health and the environment |
| 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 |
| HHS | Higher hazard substance |
| 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 |
| LHS | Lower hazard substance |
| MARPOL | International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant") |
| NFPA® | National Fire Protection Association (United States) |
| NIOSH REL | National Institute for Occupational Safety and Health (NIOSH): Recommended Exposure Limits (RELs) |
| 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 |
| Skin Corr. | Corrosive to skin |
| Skin Irrit. | Irritant to skin |
| Skin Sens. | Skin sensitization |
| STEL | Short-term exposure limit |
| STOT SE | Specific target organ toxicity - single exposure |
| TLV® | Threshold Limit Values |
| TWA | Time-weighted average |

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| Abbr. | Descriptions of used abbreviations |
|-------|--|
| VOC | Volatile Organic Compounds |
| 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)

| Code | Text |
|------|---|
| H225 | Highly flammable liquid and vapor. |
| H226 | Flammable liquid and vapor. |
| H227 | Combustible liquid. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |

Disclaimer

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