# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

# Shine Supply Daddy-O!

Version number: GHS 4.0
Replaces version of: 2022-03-03 (GHS 3)

Revision: 2024-04-09

## SECTION 1: Identification

### 1.1 Product identifier

Trade name **Shine Supply Daddy-O!**

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

Relevant identified uses Paint sealer with resin

Professional use
Industrial use

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

Shine Supply
1343 Callens Rd.
Ventura CA 93003

805-535-4332
info@shinesupply.com

### 1.4 Emergency telephone number

Emergency information service USA 1.800.535.5053, INTL 1.352.323.3500
24 hour emergency 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)

| Section | Hazard class | Category | Hazard class and category | Hazard statement |
|---|---|---|---|---|
| A.2 | skin corrosion/irritation | 2 | Skin Irrit. 2 | H315 |
| A.9 | specific target organ toxicity - repeated exposure | 1 | STOT RE 1 | H372 |
| 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

Delayed or immediate effects can be expected after short or long-term exposure. The product is combustible and can be ignited by potential ignition sources. The mixture contains a substance that was identified as a PBT (persistent, bioaccumulative and toxic). The mixture contains a substance that was identified as vPvB (very persistent and very bioaccumulative).

### 2.2 Label elements

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

- Signal word danger

- Pictograms

GHS07, GHS08

- Hazard statements

| | |
|---|---|
| H227 | Combustible liquid. |
| H315 | Causes skin irritation. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |

- Precautionary statements

| | |
|---|---|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P260 | Do not breathe dust/fume/gas/mist/vapors/spray. |
| P270 | Do not eat, drink or smoke when using this product. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P302+P352 | If on skin: Wash with plenty of water. |
| P314 | Get medical advice/attention if you feel unwell. |
| P321 | Specific treatment (see on this label). |
| P332+P313 | If skin irritation occurs: Get medical advice/attention. |
| P362 | Take off contaminated clothing and wash 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. |

- Hazardous ingredients for labelling stoddard solvent

### 2.3 Other hazards

This material is combustible, but will not ignite readily. Special danger of slipping by leaking/spilling product.

Hazards not otherwise classified

Very toxic to aquatic life with long lasting effects (GHS category 1: aquatic toxicity - acute and/or chronic).

Results of PBT and vPvB assessment

Contains a PBT-substance at a concentration of ≥ 0.1%. Contains a vPvB-substance at a concentration of ≥ 0.1%.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of ≥ 0.1%.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not relevant (mixture)

### 3.2 Mixtures

# Shine Supply Daddy-O!

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## Description of the mixture

| Name of substance | Identifier | Wt% | Classification acc. to GHS | Notes |
|---|---|---|---|---|
| distillates (petroleum) hydro-treated, light | CAS No<br>64742-47-8 | 5 – < 12 | Asp. Tox. 1 / H304 | |
| decamethylcyclopentasiloxane | CAS No<br>541-02-6 | 5 – < 12 | Flam. Liq. 4 / H227 | PBT<br>vPvB |
| Naphtha (petroleum), hydro-treated heavy | CAS No<br>64742-48-9 | 5 – < 12 | Skin Irrit. 2 / H315<br>STOT SE 3 / H336<br>Asp. Tox. 1 / H304<br>Flam. Liq. 3 / H226 | |
| China Clay, calcined | CAS No<br>66402-68-4 | 5 – < 12 | Acute Tox. 4 / H332 | |
| N,N-bis(2-Hydroxyethyl)oleam-ide | CAS No<br>93-83-4 | 1 – < 5 | Skin Irrit. 2 / H315<br>Eye Irrit. 2 / H319 | |
| stoddard solvent | CAS No<br>64742-47-8 | 1 – < 5 | Acute Tox. 3 / H331<br>Skin Irrit. 2 / H315<br>STOT RE 1 / H372<br>Asp. Tox. 1 / H304<br>Flam. Liq. 3 / H226 | |
| ethyl alcohol | CAS No<br>64-17-5 | 0.1 – < 1 | Eye Irrit. 2 / H319<br>Carc. 1A / H350<br>Flam. Liq. 2 / H225 | IARC: 1<br>* |
| methanol | CAS No<br>67-56-1 | 0.1 – < 1 | Acute Tox. 3 / H301<br>Acute Tox. 3 / H311<br>Acute Tox. 3 / H331<br>STOT SE 1 / H370<br>Flam. Liq. 2 / H225 | |

Notes
*: only carcinogenic in alcoholic beverages
IARC: 1: IARC group 1: carcinogenic to humans (International Agency for Research on Cancer)
PBT: The substance was identified as a PBT (persistent, bioaccumulative and toxic)
vPvB: The substance was identified as a vPvB (very persistent and very bioaccumulative)

## Hazardous ingredients, Consideration of other advice

Exact percentage of ingredients is withheld as a trade secret.

## Remarks

For full text of abbreviations: see SECTION 16.

## SECTION 4: First-aid measures

### 4.1 Description of first-aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. 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

Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO2)

### 5.3 Advice for firefighters

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

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

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

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

### 6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

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

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

### 6.4 Reference to other sections

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

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapors are heavier than air, spread along floors and form explosive mixtures with air. Vapors may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

### 7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

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

- Flammability hazards

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

Control of the effects

Protect against external exposure, such as

frost

- Ventilation requirements

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

- Packaging compatibilities

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

### 7.3 Specific end use(s)

See section 16 for a general overview.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)

| Country | Name of agent | CAS No | Identifier | TWA [ppm] | TWA [mg/m³] | STEL [ppm] | STEL [mg/m³] | Ceiling-C [ppm] | Ceiling-C [mg/m³] | Notation | Source |
|---|---|---|---|---|---|---|---|---|---|---|---|
| US | ethanol | 64-17-5 | TLV® | | | 1,000 | | | | | ACGIH® 2019 |
| US | ethyl alcohol | 64-17-5 | REL | 1,000 (10 h) | 1,900 (10 h) | | | | | | NIOSH REL |
| US | ethyl alcohol (ethanol) | 64-17-5 | PEL (CA) | 1,000 | 1,900 | | | | | | Cal/OSHA PEL |
| US | ethyl alcohol (ethanol) | 64-17-5 | PEL | 1,000 | 1,900 | | | | | | 29 CFR 1910.1000 |
| US | petroleum distillates (naphtha) (rubber solvent) | 64742-48-9 | PEL | 500 | 2,000 | | | | | | 29 CFR 1910.1000 |

### Occupational exposure limit values (Workplace Exposure Limits)

| Country | Name of agent | CAS No | Identifier | TWA [ppm] | TWA [mg/m³] | STEL [ppm] | STEL [mg/m³] | Ceiling-C [ppm] | Ceiling-C [mg/m³] | Notation | Source |
|---|---|---|---|---|---|---|---|---|---|---|---|
| US | methanol | 67-56-1 | TLV® | 200 | | 250 | | | | H | ACGIH® 2019 |
| US | methyl alcohol | 67-56-1 | REL | 200 (10 h) | 260 (10 h) | 250 | 325 | | | | NIOSH REL |
| US | methyl alcohol | 67-56-1 | PEL | 200 | 260 | | | | | | 29 CFR 1910.1000 |
| US | methyl alcohol (methanol) | 67-56-1 | PEL (CA) | 200 | 260 | 250 | 325 | 1,000 | | | Cal/OSHA PEL |

Notation

| | |
|---|---|
| Ceiling-C | ceiling value is a limit value above which exposure should not occur |
| H | absorbed through the skin |
| STEL | short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified) |
| TWA | time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified |

### Biological limit values

| Country | Name of agent | Parameter | Notation | Identifier | Value | Source |
|---|---|---|---|---|---|---|
| US | methanol | methanol | | BEI® | 15 mg/l | ACGIH® 2019 |

### Relevant DNELs of components

| Name of substance | CAS No | End-point | Threshold level | Protection goal, route of exposure | Used in | Exposure time |
|---|---|---|---|---|---|---|
| decamethylcyclopentasiloxane | 541-02-6 | DNEL | 97 mg/m³ | human, inhalatory | worker (industry) | acute - systemic effects |
| decamethylcyclopentasiloxane | 541-02-6 | DNEL | 24 mg/m³ | human, inhalatory | worker (industry) | acute - local effects |
| decamethylcyclopentasiloxane | 541-02-6 | DNEL | 97 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| decamethylcyclopentasiloxane | 541-02-6 | DNEL | 24 mg/m³ | human, inhalatory | worker (industry) | chronic - local effects |
| China Clay, calcined | 66402-68-4 | DNEL | 16 mg/m³ | human, inhalatory | worker (industry) | chronic - local effects |

Relevant DNELs of components

| Name of substance | CAS No | End-point | Threshold level | Protection goal, route of exposure | Used in | Exposure time |
|---|---|---|---|---|---|---|
| N,N-bis(2-Hydroxyethyl)oleamide | 93-83-4 | DNEL | 73 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| N,N-bis(2-Hydroxyethyl)oleamide | 93-83-4 | DNEL | 4.2 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| N,N-bis(2-Hydroxyethyl)oleamide | 93-83-4 | DNEL | 31 µg/cm² | human, dermal | worker (industry) | chronic - local effects |
| stoddard solvent | 64742-47-8 | DNEL | 44 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| stoddard solvent | 64742-47-8 | DNEL | 55 mg/m³ | human, inhalatory | worker (industry) | acute - systemic effects |
| stoddard solvent | 64742-47-8 | DNEL | 44 mg/m³ | human, inhalatory | worker (industry) | chronic - local effects |
| stoddard solvent | 64742-47-8 | DNEL | 55 mg/m³ | human, inhalatory | worker (industry) | acute - local effects |
| stoddard solvent | 64742-47-8 | DNEL | 80 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| stoddard solvent | 64742-47-8 | DNEL | 30 mg/kg bw/day | human, dermal | worker (industry) | acute - systemic effects |
| ethyl alcohol | 64-17-5 | DNEL | 950 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| ethyl alcohol | 64-17-5 | DNEL | 1,900 mg/m³ | human, inhalatory | worker (industry) | acute - local effects |
| ethyl alcohol | 64-17-5 | DNEL | 343 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| methanol | 67-56-1 | DNEL | 130 mg/m³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| methanol | 67-56-1 | DNEL | 130 mg/m³ | human, inhalatory | worker (industry) | acute - systemic effects |
| methanol | 67-56-1 | DNEL | 130 mg/m³ | human, inhalatory | worker (industry) | chronic - local effects |
| methanol | 67-56-1 | DNEL | 130 mg/m³ | human, inhalatory | worker (industry) | acute - local effects |
| methanol | 67-56-1 | DNEL | 20 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| methanol | 67-56-1 | DNEL | 20 mg/kg bw/day | human, dermal | worker (industry) | acute - systemic effects |

Relevant PNECs of components

| Name of substance | CAS No | End-point | Threshold level | Organism | Environmental compartment | Exposure time |
|---|---|---|---|---|---|---|
| decamethylcyclopentasiloxane | 541-02-6 | PNEC | 10 mg/l | microorganisms | sewage treatment plant (STP) | short-term (single instance) |
| decamethylcyclopentasiloxane | 541-02-6 | PNEC | 11 mg/kg | benthic organisms | sediment | short-term (single instance) |
| decamethylcyclopentasiloxane | 541-02-6 | PNEC | 13 mg/kg | (top) predators | water | short-term (single instance) |
| decamethylcyclopentasiloxane | 541-02-6 | PNEC | 1.1 mg/kg | pelagic organisms | sediment | short-term (single instance) |
| decamethylcyclopentasiloxane | 541-02-6 | PNEC | 1.2 µg/l | aquatic organisms | freshwater | short-term (single instance) |
| decamethylcyclopentasiloxane | 541-02-6 | PNEC | 0.12 µg/l | aquatic organisms | marine water | short-term (single instance) |
| decamethylcyclopentasiloxane | 541-02-6 | PNEC | 10 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| decamethylcyclopentasiloxane | 541-02-6 | PNEC | 11 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| decamethylcyclopentasiloxane | 541-02-6 | PNEC | 1.1 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| decamethylcyclopentasiloxane | 541-02-6 | PNEC | 2.5 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| N,N-bis(2-Hydroxyethyl)oleamide | 93-83-4 | PNEC | 0.007 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| N,N-bis(2-Hydroxyethyl)oleamide | 93-83-4 | PNEC | 0.001 mg/l | aquatic organisms | marine water | short-term (single instance) |
| N,N-bis(2-Hydroxyethyl)oleamide | 93-83-4 | PNEC | 830 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| N,N-bis(2-Hydroxyethyl)oleamide | 93-83-4 | PNEC | 1.2 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| N,N-bis(2-Hydroxyethyl)oleamide | 93-83-4 | PNEC | 0.12 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| N,N-bis(2-Hydroxyethyl)oleamide | 93-83-4 | PNEC | 0.24 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| stoddard solvent | 64742-47-8 | PNEC | 0.14 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| stoddard solvent | 64742-47-8 | PNEC | 0.35 mg/l | aquatic organisms | marine water | short-term (single instance) |
| stoddard solvent | 64742-47-8 | PNEC | 1.1 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |

Relevant PNECs of components

| Name of substance | CAS No | End-point | Threshold level | Organism | Environmental compartment | Exposure time |
|---|---|---|---|---|---|---|
| stoddard solvent | 64742-47-8 | PNEC | 0.14 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| ethyl alcohol | 64-17-5 | PNEC | 580 mg/l | microorganisms | sewage treatment plant (STP) | short-term (single instance) |
| ethyl alcohol | 64-17-5 | PNEC | 3.6 mg/kg | benthic organisms | sediment | short-term (single instance) |
| ethyl alcohol | 64-17-5 | PNEC | 0.63 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| ethyl alcohol | 64-17-5 | PNEC | 2.8 mg/l | aquatic organisms | water | intermittent release |
| ethyl alcohol | 64-17-5 | PNEC | 580 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| ethyl alcohol | 64-17-5 | PNEC | 0.79 mg/l | aquatic organisms | marine water | short-term (single instance) |
| ethyl alcohol | 64-17-5 | PNEC | 0.96 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| methanol | 67-56-1 | PNEC | 100 mg/l | microorganisms | sewage treatment plant (STP) | short-term (single instance) |
| methanol | 67-56-1 | PNEC | 77 mg/kg | benthic organisms | sediment | short-term (single instance) |
| methanol | 67-56-1 | PNEC | 7.7 mg/kg | pelagic organisms | sediment | short-term (single instance) |
| methanol | 67-56-1 | PNEC | 1,540 mg/l | aquatic organisms | water | intermittent release |
| methanol | 67-56-1 | PNEC | 21 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| methanol | 67-56-1 | PNEC | 2.1 mg/l | aquatic organisms | marine water | short-term (single instance) |
| methanol | 67-56-1 | PNEC | 100 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| methanol | 67-56-1 | PNEC | 77 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| methanol | 67-56-1 | PNEC | 7.7 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| methanol | 67-56-1 | PNEC | 100 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. According to EN166 .

Skin protection

- Hand protection

Wear suitable gloves. 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. Chemical protection gloves (nitrile) which are tested according to EN 374.

- 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 (viscous) |
| Color | off-white |
| Particle | not relevant (liquid) |
| Odor | characteristic |

**Other safety parameters**

| | |
|---|---|
| pH (value) | not determined |
| Melting point/freezing point | not determined |
| Initial boiling point and boiling range | >65 °C at 1 atm |
| Flash point | 62 °C at 101 kPa 143 °F at 1 atm closed cup |

| | |
|---|---|
| Evaporation rate | Not determined |
| Flammability (solid, gas) | not relevant, (fluid) |

Explosive limits

| | |
|---|---|
| - Lower explosion limit (LEL) | 0.6 vol% |
| - Upper explosion limit (UEL) | 6 vol% |

| | |
|---|---|
| Vapor pressure | 32 hPa at 25 °C |
| Density | 0.99 $^{g}/_{ml}$ |
| Vapor density | this information is not available |
| Relative density | 0.99 (water = 1) |
| Solubility(ies) | not determined |

Partition coefficient

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

| | |
|---|---|
| Auto-ignition temperature | 262 °C (auto-ignition temperature (liquids and gases)) |

Viscosity

| | |
|---|---|
| - Kinematic viscosity | 7,000 cSt |
| - Dynamic viscosity | 6,951 cP |

| | |
|---|---|
| Explosive properties | none |
| Oxidizing properties | none |

| | |
|---|---|
| Temperature class (USA, acc. to NEC 500) | T2B (maximum permissible surface temperature on the equipment: 260 °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.

Hints to prevent fire or explosion

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

### 10.5 Incompatible materials

Oxidizers

### 10.6 Hazardous decomposition products

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

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

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

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

Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity estimate (ATE) of components

| Name of substance | CAS No | Exposure route | ATE |
|---|---|---|---|
| China Clay, calcined | 66402-68-4 | inhalation: dust/mist | >2.3 $^{mg}/_{l}$/4h |
| stoddard solvent | 64742-47-8 | inhalation: vapor | >5.5 $^{mg}/_{l}$/4h |
| methanol | 67-56-1 | oral | 100 $^{mg}/_{kg}$ |

| Acute toxicity estimate (ATE) of components | | | |
|---|---|---|---|
| **Name of substance** | **CAS No** | **Exposure route** | **ATE** |
| methanol | 67-56-1 | inhalation: gas | 700 $^{ppmV}/_{4h}$ |
| methanol | 67-56-1 | inhalation: dust/mist | 0.5 $^{mg}/_{l}$/4h |

### Skin corrosion/irritation

Causes skin irritation.

### Serious eye damage/eye irritation

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

### Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

### 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** | **Remarks** | **Number** |
| ethyl alcohol | 64-17-5 | 1 | in alcoholic beverages | |

Legend
1 Carcinogenic to 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

Causes damage to organs through prolonged or repeated exposure.

### Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

## SECTION 12: Ecological information

### 12.1 Toxicity

Very toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components

| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
|---|---|---|---|---|---|
| decamethylcyclopentas-iloxane | 541-02-6 | LC50 | >16 µg/l | fish | 96 h |
| decamethylcyclopentas-iloxane | 541-02-6 | EC50 | >2.9 µg/l | aquatic invertebrates | 48 h |
| N,N-bis(2-Hydroxyethyl)oleamide | 93-83-4 | LC50 | 5.1 mg/l | fish | 96 h |
| N,N-bis(2-Hydroxyethyl)oleamide | 93-83-4 | EC50 | 3.2 mg/l | aquatic invertebrates | 48 h |
| stoddard solvent | 64742-47-8 | LC50 | 0.18 mg/l | fish | 96 h |
| stoddard solvent | 64742-47-8 | LL50 | 41 mg/l | fish | 96 h |
| stoddard solvent | 64742-47-8 | EL50 | 2.5 mg/l | algae | 96 h |
| stoddard solvent | 64742-47-8 | EC50 | 0.58 mg/l | algae | 96 h |
| ethyl alcohol | 64-17-5 | LC50 | 15,400 mg/l | fish | 96 h |
| ethyl alcohol | 64-17-5 | EC50 | 12,700 mg/l | fish | 96 h |
| ethyl alcohol | 64-17-5 | ErC50 | 22,000 mg/l | algae | 96 h |
| methanol | 67-56-1 | LC50 | 15,400 mg/l | fish | 96 h |
| methanol | 67-56-1 | EC50 | 12,700 mg/l | fish | 96 h |
| methanol | 67-56-1 | ErC50 | 22,000 mg/l | algae | 96 h |

Aquatic toxicity (chronic) of components

| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
|---|---|---|---|---|---|
| decamethylcyclopentas-iloxane | 541-02-6 | LC50 | >16 µg/l | fish | 14 d |
| decamethylcyclopentas-iloxane | 541-02-6 | EC50 | >15 µg/l | aquatic invertebrates | 21 d |
| China Clay, calcined | 66402-68-4 | EC50 | 300 mg/l | microorganisms | 3 h |

Aquatic toxicity (chronic) of components

| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
|---|---|---|---|---|---|
| Naphtha (petroleum), hydrotreated heavy | 64742-48-9 | EC50 | 15 $^{mg}/_{l}$ | microorganisms | 40 h |
| stoddard solvent | 64742-47-8 | EL50 | 1.2 $^{mg}/_{l}$ | aquatic invertebrates | 21 d |
| stoddard solvent | 64742-47-8 | EC50 | 0.33 $^{mg}/_{l}$ | aquatic invertebrates | 21 d |
| ethyl alcohol | 64-17-5 | LC50 | 1,806 $^{mg}/_{l}$ | aquatic invertebrates | 10 d |
| ethyl alcohol | 64-17-5 | ErC50 | 675 $^{mg}/_{l}$ | algae | 4 d |

### 12.2 Persistence and degradability

Data are not available.

### 12.3 Bioaccumulative potential

The substance fulfills the very bioaccumulative criterion.

### 12.4 Mobility in soil

Data are not available.

### 12.5 Results of PBT and vPvB assessment

The mixture contains a substance that was identified as a PBT (persistent, bioaccumulative and toxic). The mixture contains a substance that was identified as vPvB (very persistent and very bioaccumulative).

### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of ≥ 0.1%.

### 12.7 Other adverse effects

Data are not available.

## 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

| | |
|---|---|
| DOT | UN 3082 |
| IMDG-Code | UN 3082 |
| ICAO-TI | UN 3082 |

### 14.2 UN proper shipping name

| | |
|---|---|
| DOT | Environmentally hazardous substance, liquid, n.o.s. |
| IMDG-Code | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| ICAO-TI | Environmentally hazardous substance, liquid, n.o.s. |
| Technical name (hazardous ingredients) | decamethylcyclopentasiloxane, Naphtha (petroleum), hydrotreated heavy |

### 14.3 Transport hazard class(es)

| | |
|---|---|
| DOT | 9 |
| IMDG-Code | 9 |
| ICAO-TI | 9 |

### 14.4 Packing group

| | |
|---|---|
| DOT | III |
| IMDG-Code | III |
| ICAO-TI | III |

### 14.5 Environmental hazards

hazardous to the aquatic environment

| | |
|---|---|
| Environmentally hazardous substance (aquatic environment) | decamethylcyclopentasiloxane, Naphtha (petroleum), hydrotreated heavy |

### 14.6 Special precautions for user

There is no additional information.

### 14.7 Transport in bulk according to IMO instruments

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) - Additional information**

**Not regulated under DOT until packaged in single containers larger than 119 gallons each - liquid, or 882 lbs each - solid.**

| | |
|---|---|
| Particulars in the shipper's declaration | UN3082, Environmentally hazardous substance, liquid, n.o.s., (contains: decamethylcyclopentasiloxane, Naphtha (petroleum), hydrotreated heavy), 9, III |
| Reportable quantity (RQ) | 127,632 lbs (57,945 kg) (diethanolamine) (methanol) |
| 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) - Additional information**

| | |
|---|---|
| Marine pollutant | yes (hazardous to the aquatic environment) (Naphtha (petroleum), hydrotreated heavy) |
| Danger label(s) | 9, fish and tree |

| | |
|---|---|
| Special provisions (SP) | 274, 335, 969 |
| Excepted quantities (EQ) | E1 |
| Limited quantities (LQ) | 5 L |
| EmS | F-A, S-F |
| Stowage category | A |

**International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information**

| | |
|---|---|
| Environmental hazards | yes (hazardous to the aquatic environment) |
| 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)**

**Toxic Substance Control Act (TSCA)** not all ingredients are listed (ACTIVE)

**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 of substance** | **CAS No** | **Remarks** | **Effective date** |
| methanol | 67-56-1 | | 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)

| Name of substance | CAS No | Remarks | Statutory code | Final RQ pounds (Kg) |
|---|---|---|---|---|
| methanol | 67-56-1 | | 3<br>4 | 5000 (2270) |

Legend
3 "3" indicates that the source is section 112 of the Clean Air Act
4 "4" indicates that the source is section 3001 of the Resource Conservation and Recovery Act (RCRA)

**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 | CAS No | Functionality | Authoritative Lists |
|---|---|---|---|
| water | 7732-18-5 | solvent | |
| distillates (petroleum) hydrotreated, light | 64742-47-8 | solvents | |
| decamethylcyclopentasiloxane | 541-02-6 | solvents | Canada PBiTs<br>CECBP - Priority Chemicals<br>EC PBTs |
| Naphtha (petroleum), hydrotreated heavy | 64742-48-9 | solvents | Canada PBiTs<br>EC Annex VI CMRs - Cat. 1B |
| China Clay, calcined | 66402-68-4 | abrasive | |

# Shine Supply Daddy-O!

Version number: GHS 4.0
Replaces version of: 2022-03-03 (GHS 3)

Revision: 2024-04-09

| Name of substance | CAS No | Functionality | Authoritative Lists |
|---|---|---|---|
| polydimethylsiloxane | 63148-62-9 | surface modifier | |
| amino-alkoxy dimethylsiloxane | 71750-80-6 | surface modifier | |
| N,N-bis(2-Hydroxyethyl)oleamide | 93-83-4 | surfactant | |
| stoddard solvent | 8052-41-3 | solvents | ATSDR Neurotoxicants<br>CWA 303(d)<br>EC Annex VI CMRs - Cat. 1B |
| Dimethyl Siloxane, HO-term Rxn Methyltrimeth-oxysilane & Aminoethylaminopropyltrimethoxysil-ane | 69430-37-1 | surface modifier | |
| ethylene glycol monomontanate | 73138-45-1 | wax | |
| isopropyl alcohol | 67-63-0 | alcohols | OEHHA RELs |
| ethyl alcohol | 64-17-5 | alcohols | |
| polytetrafluoroethylene | 9002-84-0 | polymer | |
| benzyl benzoate | 120-51-4 | fragrance | EU Fragrance Allergens |
| alkyl polyether polydimethylsiloxane | 212335-52-9 | surfactant | |
| methanol | 67-56-1 | alcohols | CA TACs<br>NTP OHAT - Repr. or Dev. Toxicants<br>OEHHA RELs<br>Prop 65 |
| 2,2'-iminodiethanol | 111-42-2 | impurity | CA TACs<br>IARC Carcinogens - 2B<br>OEHHA RELs<br>Prop 65 |
| Tetrasodium EDTA, anhydrous | 64-02-8 | chelate / se-questrant | |
| Ethyl methylphenylglycidate | 77-83-8 | fragrance | |
| Isostearyl alcohol | 27458-93-1 | lubricant | |
| 1-Dodecene | 112-41-4 | solvents | |
| Poloxamer 407 | 9003-11-6 | surfactant | |
| linalool | 78-70-6 | fragrance | EU Fragrance Allergens |
| gamma Undecalactone | 104-67-6 | fragrance | |
| 2-tert-Butylcyclohexyl acetate | 88-41-5 | fragrance | |
| 4-(p-Hydroxyphenyl)-2-butanone | 5471-51-2 | fragrance | |
| ethyl butyrate | 105-54-4 | fragrance | |

| Name of substance | CAS No | Functionality | Authoritative Lists |
|---|---|---|---|
| 4-methylpentan-2-one | 108-10-1 | solvents | CA NLs<br>CA TACs<br>IARC Carcinogens - 2B<br>Prop 65 |

- Toxic or Hazardous Substance List (MA-TURA)

| Name of substance | CAS No | DEP CODE | PBT / HHS / LHS | PBT / HHS Threshold | De Minimis Concentration Threshold |
|---|---|---|---|---|---|
| methanol | 67-56-1 | | | | 1.0 % |

- Hazardous Substances List (MN-ERTK)

| Name of substance | CAS No | References | Remarks |
|---|---|---|---|
| Naphtha (petroleum), hydrotreated heavy | 64742-48-9 | A, O | |
| stoddard solvent | 8052-41-3 | 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 |
|---|---|---|---|
| stoddard solvent | 8052-41-3 | | F2 |
| methanol | 67-56-1 | | TE<br>F3 |
| ethyl alcohol | 64-17-5 | | CA<br>MU<br>TE<br>F3 |

Legend

| | |
|---|---|
| CA | Carcinogenic |
| F2 | Flammable - Second Degree |
| F3 | Flammable - Third Degree |
| MU | Mutagenic |
| TE | Teratogenic |

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

| Name acc. to inventory | CAS No | Classification |
|---|---|---|
| STODDARD SOLVENT | 8052-41-3 | |
| METHANOL | 67-56-1 | E |

Legend
E Environmental hazard

- Hazardous Substance List (RI-RTK)

| Name of substance | CAS No | References |
|---|---|---|
| stoddard solvent | 8052-41-3 | T |
| methanol | 67-56-1 | T, F |
| ethyl alcohol | 64-17-5 | 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 of substance | Name acc. to inventory | CAS No | Wt% | Remarks | Type of the toxicity |
|---|---|---|---|---|---|
| methanol | methanol | 67-56-1 | 0.13 | | developmental |
| C.I. Pigment Black 7 | carbon black | 1333-86-4 | 0.0051 | airborne, unbound particles of respirable size | cancer |
| ethyl alcohol | ethanol (ethyl alcohol) | 64-17-5 | 0.63 | in alcoholic beverages | developmental |
| 4-methylpentan-2-one | methyl isobutyl ketone | 108-10-1 | 0.014 | | cancer |
| 4-methylpentan-2-one | methyl isobutyl ketone (MIBK) | 108-10-1 | 0.014 | | developmental |
| ethylbenzene | ethylbenzene | 100-41-4 | 0.0062 | | cancer |
| 2,2'-iminodiethanol | diethanolamine | 111-42-2 | 0.078 | | cancer |
| cumene | cumene | 98-82-8 | 0.0062 | | cancer |

**VOC content**

- Regulated Volatile Organic Compounds (VOC-EPA) 12 %

- Regulated Volatile Organic Compounds (VOC-Cal ARB) 12 %

### 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 | 2 | material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur |
| Physical hazard | 0 | material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive |
| Personal protection | - | |

### NFPA® 704

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

| Category | Degree of hazard | Description |
|---|---|---|
| Flammability | 2 | material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur |
| Health | 2 | material that, under emergency conditions, can cause temporary incapacitation or residual injury |
| Instability | 0 | material that is normally stable, even under fire conditions |
| Special hazard | | |

### National inventories

| Country | Inventory | Status |
|---|---|---|
| CA | DSL | all ingredients are listed |
| EU | REACH Reg. | not all ingredients are listed |
| US | TSCA | not 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:<br>Paint sealer with resin | Relevant identified uses:<br>Paint sealer with resin<br><br>Professional use<br>Industrial use | yes |
| 1.3 | Details of the supplier of the safety data sheet:<br>Shine Supply<br>1302 Tower Square, Unit 1<br>Ventura, CA. 93003<br>805-535-4332<br>info@shinesupply.com | Details of the supplier of the safety data sheet:<br>Shine Supply<br>1343 Callens Rd.<br>Ventura CA 93003<br><br>805-535-4332<br>info@shinesupply.com | yes |
| 1.4 | Emergency information service:<br>Nødtelefon: Telefon +47 22 59 13 00 Beskrivelse: Giftinformasjonen | Emergency information service:<br>USA 1.800.535.5053, INTL 1.352.323.3500<br>24 hour emergency number | yes |
| 2.1 | | Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200):<br>change in the listing (table) | yes |
| 2.2 | | - Hazard statements:<br>change in the listing (table) | yes |
| 2.2 | | - Precautionary statements:<br>change in the listing (table) | yes |
| 2.2 | - Hazardous ingredients for labelling:<br>octamethylcyclotetrasiloxane, stoddard solvent | - Hazardous ingredients for labelling:<br>stoddard solvent | yes |
| 2.3 | Results of PBT and vPvB assessment:<br>Containing a PBT-/vPvB-substance in a concentration of ≥ 0,1%. | Results of PBT and vPvB assessment:<br>Contains a PBT-substance at a concentration of ≥ 0.1%. Contains a vPvB-substance at a concentration of ≥ 0.1%. | yes |
| 2.3 | Endocrine disrupting properties:<br>Contains an endocrine disruptor (EDC) in a concentration of ≥ 0,1%. | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (ED) in a concentration of ≥ 0.1%. | yes |
| 3.2 | | Description of the mixture:<br>change in the listing (table) | yes |
| 3.2 | Hazardous ingredients, Consideration of other advice:<br>Exact percentage of ingredients is withheld as a trade secret.For full text of abbreviations: see SECTION 16. | Hazardous ingredients, Consideration of other advice:<br>Exact percentage of ingredients is withheld as a trade secret. | yes |
| 3.2 | | Remarks:<br>For full text of abbreviations: see SECTION 16. | yes |
| 8.1 | | Relevant DNELs of components:<br>change in the listing (table) | yes |

# Shine Supply Daddy-O!

Version number: GHS 4.0
Replaces version of: 2022-03-03 (GHS 3)

Revision: 2024-04-09

| Section | Former entry (text/value) | Actual entry (text/value) | Safety-relevant |
|---|---|---|---|
| 8.1 | | Relevant PNECs of components:<br>change in the listing (table) | yes |
| 11.1 | | IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:<br>change in the listing (table) | yes |
| 11.1 | Reproductive toxicity:<br>Suspected of damaging fertility. | Reproductive toxicity:<br>Shall not be classified as a reproductive toxicant. | yes |
| 12.1 | | Aquatic toxicity (acute) of components:<br>change in the listing (table) | yes |
| 12.1 | | Aquatic toxicity (chronic) of components:<br>change in the listing (table) | yes |
| 12.6 | Endocrine disrupting properties:<br>Contains an endocrine disruptor (EDC) in a concentration of ≥ 0,1%. | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (ED) in a concentration of ≥ 0.1%. | yes |
| 15.1 | | Toxic Substance Control Act (TSCA):<br>not all ingredients are listed (ACTIVE) | yes |
| 15.1 | | Cleaning Product Right to Know Act Substance List (CA-RTK):<br>change in the listing (table) | yes |
| 16 | | Abbreviations and acronyms:<br>change in the listing (table) | yes |
| 16 | | List of relevant phrases (code and full text as stated in section 2 and 3):<br>change in the listing (table) | yes |

## Abbreviations and acronyms

| Abbr. | Descriptions of used abbreviations |
|---|---|
| 29 CFR 1910.1000 | 29 CFR 1910.1000, Tables Z-1, Z-2, Z-3 - Occupational Safety and Health Standards: Toxic and Hazardous 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 |
| Acute Tox. | Acute toxicity |
| Asp. Tox. | Aspiration hazard |
| ATE | Acute Toxicity Estimate |
| Cal/OSHA PEL | California Division of Occupational Safety and Health (Cal/OSHA): Permissible Exposure Limits (PELs) |

# Shine Supply Daddy-O!



| Abbr. | Descriptions of used abbreviations |
|---|---|
| Cal ARB | California Air Resources Board |
| Carc. | Carcinogenicity |
| CAS | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances) |
| Ceiling-C | Ceiling value |
| 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 |
| ED | Endocrine disruptor |
| EL50 | Effective Loading 50 %: the EL50 corresponds to the loading rate required to produce a response in 50% of the test organisms |
| 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 |
| 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 |
| HHS | Higher hazard substance |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IATA/DGR | Dangerous Goods Regulations (DGR) for the air transport (IATA) |
| ICAO | International Civil Aviation Organization |
| ICAO-TI | Technical instructions for the safe transport of dangerous goods by air |
| IMDG | International Maritime Dangerous Goods Code |
| IMDG-Code | 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 |

# Shine Supply Daddy-O!

Version number: GHS 4.0
Replaces version of: 2022-03-03 (GHS 3)

Revision: 2024-04-09

| Abbr. | Descriptions of used abbreviations |
|---|---|
| LHS | Lower hazard substance |
| LL50 | Lethal Loading 50 %: the LL50 corresponds to the loading rate causing 50 % lethality |
| 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 |
| RTECS | Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information) |
| Skin Corr. | Corrosive to skin |
| Skin Irrit. | Irritant to skin |
| STEL | Short-term exposure limit |
| STOT RE | Specific target organ toxicity - repeated exposure |
| STOT SE | Specific target organ toxicity - single exposure |
| TLV® | Threshold Limit Values |
| TWA | Time-weighted average |
| 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).

# Shine Supply Daddy-O!

Version number: GHS 4.0
Replaces version of: 2022-03-03 (GHS 3)

Revision: 2024-04-09

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

| Code | Text |
|---|---|
| H225 | Highly flammable liquid and vapor. |
| H226 | Flammable liquid and vapor. |
| H227 | Combustible liquid. |
| H301 | Toxic if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H311 | Toxic in contact with skin. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H331 | Toxic if inhaled. |
| H332 | Harmful if inhaled. |
| H336 | May cause drowsiness or dizziness. |
| H350 | May cause cancer. |
| H370 | Causes damage to organs. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |

## Disclaimer

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