

Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

Safe Shine

Version number: GHS 1.0

Date of compilation: 2015-11-03

SECTION 1: Identification

1.1 Product identifier

Trade name

Safe Shine

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

Relevant identified uses

rubber and vinyl dressing

1.3 Details of the supplier of the safety data sheet

Verax Chemical Company
20102 Broadway Ave.
Snohomish, WA 98296
360-668-2431

Competent person responsible for the SDS

Warren Curkendall

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)

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

2.2 Label elements

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

not required

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 |
|-----------------------------------|----------------------|---------|---------------------------|---------------|------------------|
| diethylene glycol monobutyl ether | CAS No 112-34-5 | 1 - < 5 | A.3 | Eye Irrit. 2A | H319 |
| CMIT/MIT mixture | CAS No 55965-84-9 | < 1 | A.10 | Acute Tox. 3 | H301 |
| | | | A.1D | Acute Tox. 3 | H311 |
| | | | A.1I | Acute Tox. 3 | H331 |
| | | | A.2 | Skin Corr. 1B | H314 |
| | | | A.3 | Eye Dam. 1 | H318 |
| | | | A.4S | Skin Sens. 1 | H317 |

Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

Safe Shine

Version number: GHS 1.0

Date of compilation: 2015-11-03

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

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 it.

Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

Safe Shine

Version number: GHS 1.0

Date of compilation: 2015-11-03

6.3 Methods and material for containment and cleaning up

Advices on how to contain a spill

Covering of drains.

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 precautions: 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 to 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

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)

| Country | Name of agent | CAS No | Identifier | TWA [ppm] | TWA [mg/m ³] | STEL [ppm] | STEL [mg/m ³] | Source |
|---------|-----------------|---------|------------|-----------|--------------------------|------------|---------------------------|-------------|
| US | glycerin (mist) | 56-81-5 | PEL | | 15 | | | 29 CFR OSHA |
| US | glycerin (mist) | 56-81-5 | PEL | | 5 | | | 29 CFR OSHA |

Notation

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.

Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

Safe Shine

Version number: GHS 1.0

Date of compilation: 2015-11-03

Relevant DNELs/DMELs/PNECs and other threshold levels

No data available.

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 | cream |
| Odor | sweet - fruity |

Other physical and chemical parameters

| | |
|---|--|
| pH (value) | 6.78 (25 °C) |
| Melting point/freezing point | not determined |
| Initial boiling point and boiling range | 100 °C |
| Flash point | >100 °C at 101.3 kPa >212 °F at 1 atm (closed cup) |
| Evaporation rate | not determined |
| Flammability (solid, gas) | not relevant (fluid) |
| Explosive limits | |
| • lower explosion limit (LEL) | 2.7 vol% |
| • upper explosion limit (UEL) | 19 vol% |
| Vapor pressure | 31.69 hPa at 25 °C |
| Density | 1.02 g/cm ³ 6.78 lbs/US Gal |
| Solubility(ies) | not determined |

Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

Safe Shine

Version number: GHS 1.0

Date of compilation: 2015-11-03

| | |
|--|------------------------------------|
| Partition coefficient n-octanol/water (log KOW) | This information is not available. |
| Auto-ignition temperature | 210 °C |
| Viscosity | not determined |
| Explosive properties | none |
| Oxidizing properties | none |

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

There is no additional information.

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)

not relevant

Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity of components of the mixture

| Name of substance | CAS No | Exposure route | ATE |
|-------------------|------------|-------------------|-----|
| CMIT/MIT mixture | 55965-84-9 | oral | 100 |
| CMIT/MIT mixture | 55965-84-9 | dermal | 300 |
| CMIT/MIT mixture | 55965-84-9 | inhalation: vapor | 3 |

Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

Safe Shine

Version number: GHS 1.0

Date of compilation: 2015-11-03

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

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

Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

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 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

Aquatic toxicity (acute)

Shall not be classified as hazardous to the aquatic environment.

Aquatic toxicity (acute) of components of the mixture

| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
|-----------------------------------|----------|----------|------------|-----------------------|---------------|
| diethylene glycol monobutyl ether | 112-34-5 | LC50 | 1,300 mg/l | fish | 96 hours |
| diethylene glycol monobutyl ether | 112-34-5 | EC50 | >100 mg/l | aquatic invertebrates | 48 hours |
| diethylene glycol monobutyl ether | 112-34-5 | ErC50 | >100 mg/l | algae | 96 hours |

12.2 Persistence and degradability

Data are not available.

Degradability of components of the mixture

| Name of substance | CAS No | Process | Degradation rate | Time |
|-----------------------------------|----------|------------------|------------------|------|
| diethylene glycol monobutyl ether | 112-34-5 | oxygen depletion | 85 % | 28 d |

12.3 Bioaccumulative potential

Data are not available.

Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

Safe Shine

Version number: GHS 1.0

Date of compilation: 2015-11-03

Bioaccumulative potential of components of the mixture

| Name of substance | CAS No | BCF | Log KOW | BOD5/COD |
|-----------------------------------|------------|-----|---------|----------|
| diethylene glycol monobutyl ether | 112-34-5 | | 1 | |
| CMIT/MIT mixture | 55965-84-9 | | 0.75 | |

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.

SECTION 14: Transport information

- 14.1** UN number (not subject to transport regulations)
- 14.2** UN proper shipping name not relevant
- 14.3** Transport hazard class(es)
Class -
- 14.4** Packing group not relevant
- 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.

Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

Safe Shine

Version number: GHS 1.0

Date of compilation: 2015-11-03

SECTION 15: Regulatory information

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

National regulations (United States)

SARA TITLE III (Superfund Amendment and Reauthorization Act)

List of Extremely Hazardous Substances (40 CFR 355) (EPCRA Section 302 and 304) none of the ingredients are listed

Specific Toxic Chemical Listings (40 CFR 372) (EPCRA Section 313) none of the ingredients are listed

Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System (American Coatings Association)

| Category | Rating | Description |
|-------------------------------|--------|--|
| Chronic | / | None. |
| Health | 0 | No significant risk to health. |
| Flammability | 1 | Materials that must be preheated before ignition can occur. |
| Physical hazard | 0 | Materials that are normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosives. |
| Personal protective equipment | - | |

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 | 1 | Materials that must be preheated before ignition can occur. |
| Health | 0 | Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible material. |
| Instability | 0 | Materials that are normally stable, even under fire conditions. |
| Special hazard | | |

Proposition 65 List of chemicals

none of the ingredients are listed

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

16.2 Abbreviations and acronyms

| Abbr. | Descriptions of used abbreviations |
|-------------|--|
| 29 CFR OSHA | 29 CFR §1910.1001 - Occupational Safety and Health Standards: Toxic and Hazardous Substances (permissible exposure limits) |
| 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) |

Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

Safe Shine

Version number: GHS 1.0

Date of compilation: 2015-11-03

| Abbr. | Descriptions of used abbreviations |
|-----------------|---|
| CMR | Carcinogenic, Mutagenic or toxic for Reproduction |
| COD | chemical oxygen demand |
| DMEL | Derived Minimal Effect Level |
| DNEL | Derived No-Effect Level |
| Eye Dam. | seriously damaging to the eye |
| Eye Irrit. | irritant to the eye |
| IARC Monographs | IARC Monographs on the Evaluation of Carcinogenic Risks to Humans |
| 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) |
| NPCA-HMIS® III | National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition |
| OSHA | Occupational Safety and Health Administration (United States) |
| PBT | Persistent, Bioaccumulative and Toxic |
| PNEC | Predicted No-Effect Concentration |
| ppm | parts per million |
| 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).

16.5

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

| Code | Text |
|------|---|
| H301 | toxic if swallowed |
| H311 | toxic in contact with skin |
| H314 | causes severe skin burns and eye damage |
| H317 | may cause an allergic skin reaction |
| H318 | causes serious eye damage |
| H319 | causes serious eye irritation |
| H331 | toxic if inhaled |

Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

Safe Shine

Version number: GHS 1.0

Date of compilation: 2015-11-03

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.