



Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

Miracle Shine

Version number: GHS 1.0

Date of compilation: 2015-04-03

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name **Miracle Shine**
OPA Ref# **MRS01**

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

Relevant identified uses exterior rubber dressing

1.3 Details of the supplier of the safety data sheet

B&B Blending, LLC
10963 Leroy Drive
Northglenn
CO 80233 United States

Telephone: 1.800.875.6320, 1.303.289.6320
Telefax e-mail: info@bbblending.com
Website: bbblending.com

Competent person responsible for the SDS **Robert Blahnik**
e-mail (competent person) **bblahnik@bbblending.com**

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: Hazards identification

2.1 Classification of the substance or mixture

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

| Annex | Hazard class and category | Hazard statement code(s) | |
|-------|---|--------------------------|-------|
| B.6 | flammable liquids | Cat. 2 (Flam. Liq. 2) | H225 |
| A.2 | skin corrosion/irritation | Cat. 2 (Skin Irrit. 2) | H315 |
| A.3 | serious eye damage/eye irritation | Cat. 2A (Eye Irrit. 2A) | H319 |
| A.7 | reproductive toxicity | Cat. 2 (Repr. 2) | H361f |
| A.8D | specific target organ toxicity - single exposure (narcotic effects, drowsiness) | Cat. 3 (STOT SE 3) | H336 |
| A.9 | specific target organ toxicity - repeated exposure | Cat. 2 (STOT RE 2) | H373 |
| A.10 | aspiration hazard | Cat. 1 (Asp. Tox. 1) | H304 |

Remarks

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

Miracle Shine

Version number: GHS 1.0

Date of compilation: 2015-04-03

Hazards not otherwise classified

Toxic to aquatic life with long lasting effects (GHS category 2: aquatic toxicity - acute and chronic).

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.

2.2 Label elements

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

Signal word

danger

Pictograms

GHS02, GHS07,
GHS08



Hazard statements

| | |
|-------|---|
| H225 | Highly flammable liquid and vapor. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H361f | Suspected of damaging fertility. |
| H373 | May cause damage to organs through prolonged or repeated exposure (if inhaled). |

Precautionary statements

Precautionary statements - prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not breathe dust/fume/gas/mist/vapors/spray.
Use personal protective equipment as required.

Precautionary statements - response

IF SWALLOWED: immediately call a POISON CENTER or doctor/physician.
IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Do NOT induce vomiting.
In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.

Precautionary statements - storage

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

Hazardous ingredients for labelling

hexane, Naphtha (petroleum), hydrotreated heavy, propan-2-ol

Miracle Shine

Version number: GHS 1.0

Date of compilation: 2015-04-03

2.3 Other hazards

Repeated exposure may cause skin dryness or cracking.





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 | Pictograms |
|---|----------------------|-----------|---|---|---|
| hexane | CAS No 110-54-3 | 25 - < 50 | B.6 Flam. Liq. 2 A.2 Skin Irrit. 2 A.7 Repr. 2 A.8D STOT SE 3 A.9 STOT RE 2 A.10 Asp. Tox. 1 | H225 H315 H361f H336 H373 H304 |  |
| Naphtha (petroleum), hydrotreated heavy | CAS No 64742-48-9 | 10 - < 25 | B.6 Flam. Liq. 3 A.2 Skin Irrit. 2 A.8D STOT SE 3 A.10 Asp. Tox. 1 | H226 H315 H336 H304 |  |
| ethylene glycol monobutyl ether | CAS No 111-76-2 | 10 - < 25 | B.6 Flam. Liq. 4 A.10 Acute Tox. 4 A.1D Acute Tox. 4 A.11 Acute Tox. 4 A.2 Skin Irrit. 2 A.3 Eye Irrit. 2A | H227 H302 H312 H332 H315 H319 |  |
| propan-2-ol | CAS No 67-63-0 | 1 - < 5 | B.6 Flam. Liq. 2 A.3 Eye Irrit. 2A A.8D STOT SE 3 | H225 H319 H336 |  |

For full text of abbreviations: see SECTION 16.

Miracle Shine

Version number: GHS 1.0

Date of compilation: 2015-04-03

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

In case of respiratory tract irritation, consult a physician. 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: Firefighting 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

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.

Miracle Shine

Version number: GHS 1.0

Date of compilation: 2015-04-03

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.

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.

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. 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.

Warning

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.

Miracle Shine

Version number: GHS 1.0

Date of compilation: 2015-04-03

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

• 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.

Incompatible substances or mixtures

Observe compatible storage of chemicals.

Consideration of other advice

Ventilation requirements

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

Packaging compatibilities

Only packagings which are approved (e.g. acc. to ADR) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

Occupational exposure limit values (Workplace Exposure Limits)

| Country | Name of agent | CAS No | Identifier | TWA [ppm] | TWA [mg/m ³] | STEL [ppm] | STEL [mg/m ³] | Source |
|---------|---|------------|------------|-----------|--------------------------|------------|---------------------------|-------------|
| US | 2-butoxyethanol | 111-76-2 | PEL | 50 | 240 | | | 29 CFR OSHA |
| US | isopropyl alcohol | 67-63-0 | PEL | 400 | 980 | | | 29 CFR OSHA |
| US | n-hexane | 110-54-3 | PEL | 500 | 1,800 | | | 29 CFR OSHA |
| US | petroleum distillates (naphtha) (rubber solvent) | 64742-48-9 | PEL | 500 | 2,000 | | | 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.

Miracle Shine

Version number: GHS 1.0

Date of compilation: 2015-04-03

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 | transparent - blue |
| Odor | fruity |

Other physical and chemical parameters

| | |
|---|---|
| pH (value) | not determined |
| Melting point/freezing point | not determined |
| Initial boiling point and boiling range | 68.73 °C at 101.3 kPa |
| Flash point | -22 °C at 101.3 kPa -7 °F at 1 atm (closed cup) |
| Evaporation rate | not determined |
| Flammability (solid, gas) | not relevant (fluid) |



Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

Miracle Shine

Version number: GHS 1.0

Date of compilation: 2015-04-03

| | |
|-------------------------------|------------------------------------|
| Explosive limits | |
| • lower explosion limit (LEL) | 0.7 vol% |
| • upper explosion limit (UEL) | 7.5 vol% |
| Vapor pressure | 0.76 mmHG at 20 °C |
| Density | 8 - 8.2 $\frac{g}{cm^3}$ |
| Solubility(ies) | not determined |
| Partition coefficient | |
| n-octanol/water (log KOW) | This information is not available. |
| Auto-ignition temperature | 225 °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". 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.

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.



Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

Miracle Shine

Version number: GHS 1.0

Date of compilation: 2015-04-03

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 of components of the mixture

| Name of substance | CAS No | Exposure route | ATE |
|---------------------------------|----------|-------------------|-------|
| ethylene glycol monobutyl ether | 111-76-2 | oral | 1,746 |
| ethylene glycol monobutyl ether | 111-76-2 | dermal | 1,100 |
| ethylene glycol monobutyl ether | 111-76-2 | inhalation: vapor | 11 |

Skin corrosion/irritation

Causes skin irritation.

Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

Summary of evaluation of the CMR properties

Suspected of damaging fertility.

Shall not be classified as carcinogenic.

Shall not be classified as germ cell mutagenic.

Carcinogenicity

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

Specific target organ toxicity (STOT)

Specific target organ toxicity - single exposure

May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure

May cause damage to organs through prolonged or repeated exposure (if inhaled).

Miracle Shine

Version number: GHS 1.0

Date of compilation: 2015-04-03

| Hazard category | Target organ | Exposure route |
|-----------------|----------------|----------------|
| 2 | several organs | if inhaled |

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity (acute)

Toxic to aquatic organisms.

Aquatic toxicity (acute) of components of the mixture

| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
|---------------------------------|----------|----------|-------------|-----------------------|---------------|
| ethylene glycol monobutyl ether | 111-76-2 | LC50 | 1,474 mg/l | fish | 96 hours |
| ethylene glycol monobutyl ether | 111-76-2 | EC50 | 1,550 mg/l | aquatic invertebrates | 48 hours |
| ethylene glycol monobutyl ether | 111-76-2 | ErC50 | 1,840 mg/l | algae | 72 hours |
| propan-2-ol | 67-63-0 | LC50 | 10,000 mg/l | fish | 96 hours |

Aquatic toxicity (chronic)

Aquatic toxicity (chronic) of components of the mixture

| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
|---|------------|----------|--------------|-----------------------|---------------|
| Naphtha (petroleum), hydrotreated heavy | 64742-48-9 | EC50 | 15.41 mg/l | microorganisms | 40 h |
| ethylene glycol monobutyl ether | 111-76-2 | EC50 | 297 mg/l | aquatic invertebrates | 21 d |
| propan-2-ol | 67-63-0 | LC50 | >10,000 mg/l | aquatic invertebrates | 24 h |

12.2 Process of degradability

Data are not available.

Degradability of components of the mixture

| Name of substance | CAS No | Process | Degradation rate | Time |
|---------------------------------|----------|---------------------------|------------------|------|
| ethylene glycol monobutyl ether | 111-76-2 | carbon dioxide generation | 18.3 % | 3 d |
| propan-2-ol | 67-63-0 | oxygen depletion | 53 % | 5 d |

Miracle Shine

Version number: GHS 1.0

Date of compilation: 2015-04-03

12.3 Bioaccumulative potential

Data are not available.

Bioaccumulative potential of components of the mixture

| Name of substance | CAS No | BCF | Log KOW | BOD5/COD |
|---------------------------------|----------|-------|---------|----------|
| hexane | 110-54-3 | 501.2 | 4 | |
| ethylene glycol monobutyl ether | 111-76-2 | | 0.81 | |

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

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

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

13.3 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 | 1993 |
| 14.2 | UN proper shipping name | FLAMMABLE LIQUID, N.O.S. |
| | Hazardous constituents | hexane, Naphtha (petroleum), hydrotreated heavy |
| 14.3 | Transport hazard class(es) | |
| | Class | 3 (flammable liquids) |
| 14.4 | Packing group | II (substance presenting medium danger) |
| 14.5 | Environmental hazards | hazardous to the aquatic environment (hexane) |

Miracle Shine

Version number: GHS 1.0

Date of compilation: 2015-04-03

14.6 Special precautions for user



There is no additional information.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code



The cargo is not intended to be carried in bulk.

14.8 Information for each of the UN Model Regulations

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

| | |
|---|--------------------------|
| Index number | 1993 |
| Proper shipping name | Flammable liquid, n.o.s. |
| Class | 3 |
| Packing group | II |
| Danger label(s) | 3 + "fish and tree" |
|   | |
| Environmental hazards | yes (hazardous to water) |
| Special provisions (SP) | IB2, T7, TP1, TP8, TP28 |
| ERG No | 128 |

• **International Maritime Dangerous Goods Code (IMDG)**


| | |
|---|--------------------------|
| UN number | 1993 |
| Proper shipping name | FLAMMABLE LIQUID, N.O.S. |
| Class | 3 |
| Subsidiary risk(s) | - |
| Marine pollutant | yes (hazardous to water) |
| Packing group | II |
| Danger label(s) | 3 + "fish and tree" |
|   | |
| Special provisions (SP) | 274 |
| Excepted quantities (EQ) | E2 |
| Limited quantities (LQ) | 1 L |
| EmS | F-E, S-E |
| Stowage category | E |

Miracle Shine

Version number: GHS 1.0

Date of compilation: 2015-04-03

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

| | |
|---|--------------------------|
| UN number | 1993 |
| Proper shipping name | Flammable liquid, n.o.s. |
| Class | 3 |
| Environmental hazards | yes (hazardous to water) |
| Packing group | II |
| Danger label(s) | 3 |
|  | |
| Special provisions (SP) | A3 |
| Excepted quantities (EQ) | E2 |
| Limited quantities (LQ) | 1 L |

SECTION 15: Regulatory information

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

National regulations (United States)

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 | Materials that can be ignited under almost all ambient temperature conditions. |
| 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) - National Fire Protection Association (United States)

Miracle Shine

Version number: GHS 1.0

Date of compilation: 2015-04-03

| Category | Degree of hazard | Description |
|-----------------------|------------------|---|
| Flammability | 3 | Materials that can be ignited under almost all ambient temperature conditions. |
| 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 | | |

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

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

| | | |
|---|---------|-----------------|
| Flammable liquids | Cat. 2 | (Flam. Liq. 2) |
| Skin corrosion/irritation | Cat. 2 | (Skin Irrit. 2) |
| Serious eye damage/eye irritation | Cat. 2A | (Eye Irrit. 2A) |
| Reproductive toxicity | Cat. 2 | (Repr. 2) |
| Specific target organ toxicity - single exposure (narcotic effects, drowsiness) | Cat. 3 | (STOT SE 3) |
| Specific target organ toxicity - repeated exposure | Cat. 2 | (STOT RE 2) |
| Aspiration hazard | Cat. 1 | (Asp. Tox. 1) |
| Toxic to aquatic life with long lasting effects (GHS category 2: aquatic toxicity - acute and chronic). | | |

SECTION 16: Other information

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) |
| 49 CFR US DOT | 49 CFR § 40 U.S. Department of Transportation |
| Acute Tox. | acute toxicity |
| ADR | Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road) |
| Asp. Tox. | aspiration hazard |
| ATE | Acute Toxicity Estimate |
| BCF | BioConcentration Factor |
| BOD | Biochemical Oxygen Demand |
| CAS | Chemical Abstracts Service |
| CLP | Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures |
| CMR | Carcinogenic, Mutagenic or toxic for Reproduction |
| COD | chemical oxygen demand |
| DMEL | Derived Minimal Effect Level |
| DNEL | Derived No-Effect Level |

Miracle Shine

Version number: GHS 1.0

Date of compilation: 2015-04-03

| Abbr. | Descriptions of used abbreviations |
|----------------|---|
| EmS | Emergency Schedule |
| ERG No | Emergency Response Guidebook - Number |
| Eye Dam. | seriously damaging to the eye |
| Eye Irrit. | irritant to the eye |
| Flam. Liq. | flammable liquid |
| GHS | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations |
| IATA/DGR | Dangerous Goods Regulations (DGR) for the air transport (IATA) |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods Code |
| log KOW | n-octanol/water |
| MARPOL | International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant) |
| NFPA® 704 | National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States) |
| 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 |
| Repr. | reproductive toxicity |
| Skin Corr. | corrosive to skin |
| Skin Irrit. | irritant to skin |
| STOT RE | specific target organ toxicity - repeated exposure |
| STOT SE | specific target organ toxicity - single exposure |
| vPvB | very Persistent and very Bioaccumulative |

16.3 Key literature references and sources for data

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

16.4 Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards/Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).



Safety Data Sheet

acc. to OSHA, Appendix D to § 1910.1200

Miracle Shine

Version number: GHS 1.0

Date of compilation: 2015-04-03

16.5

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 |
| H302 | harmful if swallowed |
| H304 | may be fatal if swallowed and enters airways |
| H312 | harmful in contact with skin |
| H315 | causes skin irritation |
| H319 | causes serious eye irritation |
| H332 | harmful if inhaled |
| H336 | may cause drowsiness or dizziness |
| H361f | suspected of damaging fertility |
| H373 | may cause damage to organs through prolonged or repeated exposure (if inhaled) |

16.7

Disclaimer

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