



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

D50 Aqua Dressing

version number GHS 2.0.

revision 2018-11-02.

SECTION 1: Identification

- 1.1 Product identifier**
Trade name **D50 Aqua Dressing**
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Relevant identified uses Tire 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
e-mail: info@bbblending.com
website
bbblending.com
e-mail (competent person) Btirrell@bbblending.com
(Beth Tirrell)
- 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 | Cat-egory | Hazard class and category | Hazard state-ment |
|---------|--|-----------|---------------------------|-------------------|
| A.4S | Skin sensitization | 1 | Skin Sens. 1 | H317 |
| A.9 | Specific target organ toxicity - repeated exposure | 2 | STOT RE 2 | H373 |

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.

- 2.2 Label elements**
Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Signal word Warning

Pictograms

GHS07, GHS08



Hazard statements

H317 May cause an allergic skin reaction.
H373 May cause damage to organs through prolonged or repeated exposure.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

D50 Aqua Dressing

version number GHS 2.0.

revision 2018-11-02.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P272 Contaminated work clothing must not be allowed out of the workplace.
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).
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazardous ingredients for labelling

Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1)
Ethylene glycol

2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Hazards not otherwise classified

Harmful to aquatic life with long lasting effects (GHS category 3: aquatic toxicity - acute and/or chronic).

Results of PBT and vPvB assessment

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

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture).

3.2 Mixtures

Description of the mixture

| Hazardous ingredients acc. to GHS | | | | |
|--|----------------------|----------|---|-------|
| Name of substance | Identifier | Wt% | Classification acc. to GHS | Notes |
| nonylphenoethoxylate | CAS No 9016-45-9 | 3 - < 12 | Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Repr. 2 / H361 STOT RE 2 / H373 | |
| ethylene glycol | CAS No 107-21-1 | 1 - < 3 | Acute Tox. 4 / H302 STOT RE 2 / H373 | IOELV |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1) | CAS No 55965-84-9 | < 0.1 | Acute Tox. 3 / H301 Acute Tox. 3 / H311 Acute Tox. 3 / H331 Skin Corr. 1B / H314 Eye Dam. 1 / H318 Skin Sens. 1 / H317 | |

Notes

IOELV: Substance with a community indicative occupational exposure limit value

For full text of abbreviations: see SECTION 16



D50 Aqua Dressing

version number GHS 2.0.

revision 2018-11-02.

SECTION 4: First-aid measures

4.1 Description of first- aid measures

General notes

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

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

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

Following ingestion

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

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

Hazardous combustion products

Nitrogen oxides (NO_x). Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3 Advice for firefighters

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

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

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

Advices on how to contain a spill

Covering of drains.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

D50 Aqua Dressing

version number GHS 2.0.

revision 2018-11-02.

Advices on how to clean up a spill

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

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

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

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

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

7.2 Conditions for safe storage, including any incompatibilities

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

| Occupational exposure limit values (Workplace Exposure Limits) | | | | | | | | | | | |
|--|-----------------|----------|------------|-----------|--------------------------|------------|---------------------------|-----------------|--------------------------------|----------|--------------|
| Country | Name of agent | CAS No | Identifier | TWA [ppm] | TWA [mg/m ³] | STEL [ppm] | STEL [mg/m ³] | Ceiling-C [ppm] | Ceiling-C [mg/m ³] | Notation | Source |
| US | ethylene glycol | 107-21-1 | REL | | | | | | | appx-D | NIOSH REL |
| US | ethylene glycol | 107-21-1 | PEL (CA) | | | | | 40 | 100 | vap | Cal/OSHA PEL |

Notation

appx-D See Appendix D - Substances with No Established RELs
 Ceiling-C Ceiling value is a limit value above which exposure should not occur
 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)
 vap As vapors



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

D50 Aqua Dressing

version number GHS 2.0.

revision 2018-11-02.

| Relevant DNELs of components of the mixture | | | | | | |
|---|----------|-----------|----------------------|------------------------------------|-------------------|----------------------------|
| Name of sub-stance | CAS No | End-point | Threshold level | Protection goal, route of exposure | Used in | Exposure time |
| ethylene glycol | 107-21-1 | DNEL | 35 mg/m ³ | human, inhalatory | worker (industry) | chronic - local effects |
| ethylene glycol | 107-21-1 | DNEL | 106 mg/kg | human, dermal | worker (industry) | chronic - systemic effects |

| Relevant PNECs of components of the mixture | | | | | | |
|---|----------|-----------|-----------------|-----------------------|------------------------------|------------------------------|
| Name of sub-stance | CAS No | End-point | Threshold level | Organism | Environmental compartment | Exposure time |
| ethylene glycol | 107-21-1 | PNEC | 10 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| ethylene glycol | 107-21-1 | PNEC | 1 mg/l | aquatic organisms | marine water | short-term (single instance) |
| ethylene glycol | 107-21-1 | PNEC | 199.5 mg/l | microorganisms | sewage treatment plant (STP) | short-term (single instance) |
| ethylene glycol | 107-21-1 | PNEC | 37 mg/kg | benthic organisms | sediment | short-term (single instance) |
| ethylene glycol | 107-21-1 | PNEC | 3.7 mg/kg | pelagic organisms | sediment | short-term (single instance) |
| ethylene glycol | 107-21-1 | PNEC | 1.53 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| ethylene glycol | 107-21-1 | PNEC | 10 mg/l | aquatic organisms | water | intermittent release |

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.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

D50 Aqua Dressing

version number GHS 2.0.

revision 2018-11-02.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

| | |
|----------------|-------------------|
| Physical state | Liquid Viscous |
| Color | Pale blue |
| Odor | Fruity |

Other safety parameters

| | |
|---|-----------------------------------|
| PH (value) | 4.5 – 5.5 (25 °C) |
| Melting point/freezing point | Not determined |
| Initial boiling point and boiling range | 100 °C |
| Flash point | Not determined |
| Evaporation rate | Not determined |
| Flammability (solid, gas) | Not relevant Fluid |
| Explosive limits | Not determined |
| Vapor pressure | 31.69 hPa at 25 °C |
| Density | 0.9964 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 | 383 °C |
| Viscosity | Not determined |
| Explosive properties | None |
| Oxidizing properties | None |

9.2 Other information

| | |
|--|--|
| Temperature class (USA, acc. to NEC 500) | T2 Maximum permissible surface temperature on the equipment: 300 °C |
|--|--|



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

D50 Aqua Dressing

version number GHS 2.0.

revision 2018-11-02.

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.

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 of the mixture | | | |
|---|------------|-------------------|-----------|
| Name of substance | CAS No | Exposure route | ATE |
| ethylene glycol | 107-21-1 | oral | 500 mg/kg |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | oral | 100 mg/kg |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | dermal | 300 mg/kg |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9 | inhalation: vapor | 3 mg/l/4h |

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

May cause an allergic skin reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

D50 Aqua Dressing

version number GHS 2.0.

revision 2018-11-02.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

May cause 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

Harmful to aquatic life with long lasting effects.

| Aquatic toxicity (acute) of components of the mixture | | | | | |
|---|-----------|----------|-------------|-----------------------|---------------|
| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
| nonylphenoethoxylate | 9016-45-9 | LC50 | 1.821 mg/l | aquatic invertebrates | 48 h |
| nonylphenoethoxylate | 9016-45-9 | EC50 | 20 mg/l | algae | 48 h |
| nonylphenoethoxylate | 9016-45-9 | ErC50 | 50 mg/l | algae | 48 h |
| ethylene glycol | 107-21-1 | LC50 | 72,860 mg/l | fish | 96 h |
| ethylene glycol | 107-21-1 | EC50 | >100 mg/l | aquatic invertebrates | 48 h |

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Other adverse effects

Endocrine disrupting potential

The mixture contains substance(s) with an endocrine disrupting potential.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

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

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

D50 Aqua Dressing

version number GHS 2.0.

revision 2018-11-02.

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)** None
- 14.4 **Packing group** Not relevant
- 14.5 **Environmental hazards** Non-environmentally hazardous acc. to the dangerous goods regulations
- 14.6 **Special precautions for user**
There is no additional information.
- 14.7 **Transport in bulk according to Annex II of MARPOL and the IBC Code**
The cargo is not intended to be carried in bulk.
- 14.8 **Information for each of the UN Model Regulations**
 - Transport of dangerous goods by road or rail (49 CFR US DOT)**
Not subject to transport regulations.
 - International Maritime Dangerous Goods Code (IMDG)**
Not subject to IMDG.
 - International Civil Aviation Organization (ICAO-IATA/DGR)**
Not subject to ICAO-IATA.

SECTION 15: Regulatory information

- 15.1 **Safety, health and environmental regulations specific for the product in question**
 - National regulations (United States)**
 - Superfund Amendment and Reauthorization Act (SARA TITLE III)**
 - The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)**
none of the ingredients are listed
 - Specific Toxic Chemical Listings (EPCRA Section 313)**

| Toxics Release Inventory: Specific Toxic Chemical Listings | | | |
|--|----------|---------|----------------|
| Name acc. to inventory | CAS No | Remarks | Effective date |
| ethylene glycol | 107-21-1 | | 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) |
|-------------------|----------|---------|----------------|----------------------|
| ethylene glycol | 107-21-1 | | 3 | 5000 (2270) |

Legend

3 "3" indicates that the source is section 112 of the Clean Air Act

Clean Air Act

none of the ingredients are listed



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

D50 Aqua Dressing

version number GHS 2.0.

revision 2018-11-02.

New Jersey Worker and Community Right to Know Act

| Right to Know Hazardous Substance List | | | |
|--|----------|---------|-----------------|
| Name acc. to inventory | CAS No | Remarks | Classifications |
| ethylene glycol | 107-21-1 | | |

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

| Proposition 65 List of chemicals | | | | |
|----------------------------------|----------|------|---------|----------------------|
| Name acc. to inventory | CAS No | Wt% | Remarks | Type of the toxicity |
| ethylene glycol (ethanediol) | 107-21-1 | 1.53 | | developmental |

Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

| Category | Rating | Description |
|---------------------|--------|--|
| Chronic | * | chronic (long-term) health effects may result from repeated overexposure |
| Health | 2 | temporary or minor injury may occur |
| Flammability | 1 | material that must be preheated before ignition can occur |
| Physical hazard | 0 | material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive |
| Personal protection | - | |

NFPA® 704

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

| Category | Degree of hazard | Description |
|----------------|------------------|--|
| Flammability | 1 | material that must be preheated 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 | | |

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)



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

D50 Aqua Dressing

version number GHS 2.0.

revision 2018-11-02.

| Section | Former entry (text/value) | Actual entry (text/value) | Safety-relevant |
|---------|---|--|-----------------|
| 1.3 | e-mail (competent person): Bblahnik@bbblending.com (Robert Blahnik) | e-mail (competent person): Btirrell@bbblending.com (Beth Tirrell) | yes |
| 3.2 | | Hazardous ingredients acc. to GHS: change in the listing (table) | yes |
| 4.1 | 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 eye contact: Remove contact lenses, if present and easy to do. Continue rinsing. | yes |
| 8.1 | | Occupational exposure limit values (Workplace Exposure Limits): change in the listing (table) | yes |
| 12.1 | | Aquatic toxicity (acute) of components of the mixture: change in the listing (table) | yes |
| 14.1 | UN number: Not required Not subject to transport regulations | UN number: Not subject to transport regulations | yes |
| 15.1 | | Proposition 65 List of chemicals: change in the listing (table) | yes |
| 16 | | Abbreviations and acronyms: change in the listing (table) | yes |
| 16 | | List of relevant phrases (code and full text as stated in chapter 2 and 3): change in the listing (table) | yes |

Abbreviations and acronyms

| Abbr. | Descriptions of used abbreviations |
|---------------|---|
| 49 CFR US DOT | 49 CFR § 40 U.S. Department of Transportation |
| Acute Tox. | Acute toxicity |
| ATE | Acute Toxicity Estimate |
| Cal/OSHA PEL | California Division of Occupational Safety and Health (Cal/OSHA): Permissible Exposure Limits (PELs) |
| CAS | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances) |
| Ceiling-C | Ceiling value |
| DGR | Dangerous Goods Regulations (see IATA/DGR) |
| DNEL | Derived No-Effect Level |
| Eye Dam. | Seriously damaging to the eye |
| Eye Irrit. | Irritant to the eye |
| GHS | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations |
| IATA | International Air Transport Association |
| IATA/DGR | Dangerous Goods Regulations (DGR) for the air transport (IATA) |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods Code |



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

D50 Aqua Dressing

version number GHS 2.0.

revision 2018-11-02.

| Abbr. | Descriptions of used abbreviations |
|----------------|---|
| MARPOL | International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant") |
| 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 |
| PNEC | Predicted No-Effect Concentration |
| ppm | Parts per million |
| Repr. | Reproductive toxicity |
| RTECS | Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information) |
| Skin Corr. | Corrosive to skin |
| Skin Irrit. | Irritant to skin |
| Skin Sens. | Skin sensitization |
| STEL | Short-term exposure limit |
| STOT RE | Specific target organ toxicity - repeated exposure |
| TWA | Time-weighted average |
| vPvB | Very Persistent and very Bioaccumulative |

Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties. The classification is based on tested mixture.
Health hazards. Environmental hazards. The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

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

| Code | Text |
|------|--|
| H301 | Toxic if swallowed. |
| H302 | Harmful if swallowed. |
| H311 | Toxic in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H331 | Toxic if inhaled. |
| H361 | Suspected of damaging fertility or the unborn child. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

D50 Aqua Dressing

version number GHS 2.0.

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Disclaimer

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