

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : MasonryDefender Advanced Water Repellent

1.2. Recommended use and restrictions on use

Recommended use : None established.
Restrictions on use : None known

1.3. Supplier

Manufacturer

SaverSystems, Inc.
800 S. 7th Street
Richmond, IN 47374
U.S.A
T (765) 966-5084 - F (765) 935-4999

1.4. Emergency telephone number

Emergency number : Chemtel: 1 (800) 255-3924 (available 24/7)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

| | | |
|--------------------------------------|------|-------------------------------|
| Skin corrosion/irritation Category 2 | H315 | Causes skin irritation |
| Eye irritation Category 2 | H319 | Causes serious eye irritation |

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Warning
Hazard statements (GHS US) : H315 - Causes skin irritation
H319 - Causes serious eye irritation
Precautionary statements (GHS US) : P264 - Wash hands thoroughly after handling.
P280 - Wear eye protection, protective gloves.
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P302+P352 - If on skin: Wash with plenty of soap and water.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.

2.3. Other hazards which do not result in classification

No additional information available

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2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % |
|---------------------------|---------------------|------|
| Dimetilsilossano | CAS-No.: 71750-80-6 | 5-15 |
| 2-(2-butoxyethoxy)ethanol | CAS-No.: 112-34-5 | 1-5 |
| 1-Butoxypropan-2-ol | CAS-No.: 5131-66-8 | 1-5 |

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|--|
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. Get medical advice if skin irritation persists. |
| First-aid measures after eye contact | : Rinse with water while holding the eyes wide open. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion | : Rinse mouth with water. Do not induce vomiting. Call a poison center or a doctor if you feel unwell. |

4.2. Most important symptoms and effects (acute and delayed)

| | |
|------------------|--|
| Inhalation | : Inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract. |
| Skin | : May cause moderate irritation. |
| Eyes | : May cause moderate irritation, including burning sensation, tearing, redness or swelling. |
| Ingestion | : May cause gastrointestinal irritation, nausea, vomiting and diarrhea. |
| Chronic symptoms | : None known. |

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

5.2. Specific hazards arising from the chemical

| | |
|--|--|
| Fire hazard | : This product is not classified as flammable or combustible. |
| Hazardous decomposition products in case of fire | : On combustion, forms: carbon oxides (CO and CO ₂). Silicon oxides. |

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According to 29CFR 1910.1200 OSHA Hazard Communication Standard

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Avoid contact with skin and eyes. Wear suitable protective clothing. Do not touch or walk on the spilled product. Avoid breathing mist, vapors.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Absorb and/or contain spill with inert material, then place in suitable container.
- Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing mist, vapors. Ensure adequate ventilation.
- Hygiene measures : Always wash hands after handling the product. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in dry, cool, well-ventilated area. Keep away from heat and direct sunlight. Keep container closed when not in use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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No additional information available

Dimetilsilossano (71750-80-6)

No additional information available

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| 2-(2-butoxyethoxy)ethanol (112-34-5) | |
|---|---|
| USA - ACGIH - Occupational Exposure Limits | |
| Local name | Diethylene glycol monobutyl ether |
| ACGIH OEL TWA [ppm] | 10 ppm (IFV - Inhalable fraction and vapor) |
| Remark (ACGIH) | TLV® Basis: Hematologic, liver & kidney eff |
| Regulatory reference | ACGIH 2021 |
| 1-Butoxypropan-2-ol (5131-66-8) | |
| No additional information available | |

8.2. Appropriate engineering controls

| | |
|----------------------------------|--|
| Appropriate engineering controls | : Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits. |
| Environmental exposure controls | : Avoid release to the environment. |

8.3. Individual protection measures/Personal protective equipment

| |
|---|
| Hand protection: |
| Wear impervious gloves. |
| Eye protection: |
| Wear safety goggles or other eye protection to prevent eye contact. |
| Skin and body protection: |
| No personal protective equipment required under normal use |
| Respiratory protection: |
| In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|------------------------------------|
| Physical state | : Liquid |
| Appearance | : Colorless to pale yellow liquid. |
| Color | : Colorless to slightly yellow |
| Odor | : Slight |
| Odor threshold | : No data available |
| pH | : No data available |
| Melting point | : Not applicable |
| Freezing point | : ≈ 32 °F |
| Boiling point | : 212 °F |
| Flash point | : No data available |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Flammability (solid, gas) | : Not applicable. |
| Vapor pressure | : No data available |
| Relative vapor density at 20°C | : No data available |
| Relative density | : No data available |
| Density | : 0.99 g/cm ³ |
| Solubility | : Soluble in water. |

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| | |
|---|---------------------|
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosion limits | : No data available |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Extremely high or low temperatures.

10.5. Incompatible materials

Keep away from oxidizers, strong acids and strong bases.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------|------------------|
| Acute toxicity (oral) | : Not classified |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

2-(2-butoxyethoxy)ethanol (112-34-5)

| | |
|--------------------|---|
| LD50 oral rat | 2410 mg/kg body weight |
| LD50 dermal rabbit | 2764 mg/kg body weight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), 95% CL: 2090 - 3645 |
| ATE US (oral) | 2410 mg/kg body weight |
| ATE US (dermal) | 2764 mg/kg body weight |

1-Butoxypropan-2-ol (5131-66-8)

| | |
|-----------------|--------------|
| LD50 oral rat | 2700 mg/kg |
| LD50 dermal rat | > 2000 mg/kg |

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| 1-Butoxypropan-2-ol (5131-66-8) | |
|--------------------------------------|--|
| ATE US (oral) | 2700 mg/kg body weight |
| Skin corrosion/irritation | : Causes skin irritation. |
| Serious eye damage/irritation | : Causes serious eye irritation. |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : Not classified |
| 2-(2-butoxyethoxy)ethanol (112-34-5) | |
| NOAEL (oral,rat,90 days) | 250 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents) |
| 1-Butoxypropan-2-ol (5131-66-8) | |
| LOAEL (oral,rat,90 days) | 1000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| NOAEL (oral,rat,90 days) | 350 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| NOAEL (dermal,rat/rabbit,90 days) | 880 mg/kg body weight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study) |
| Aspiration hazard | : Not classified |
| Viscosity, kinematic | : No data available |
| 2-(2-butoxyethoxy)ethanol (112-34-5) | |
| Viscosity, kinematic | ≈ 6.794 mm ² /s |
| Inhalation | : Inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract. |
| Skin | : May cause moderate irritation. |
| Eyes | : May cause moderate irritation, including burning sensation, tearing, redness or swelling. |
| Ingestion | : May cause gastrointestinal irritation, nausea, vomiting and diarrhea. |
| Chronic symptoms | : None known. |

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

| 2-(2-butoxyethoxy)ethanol (112-34-5) | |
|--------------------------------------|---|
| LC50 - Fish [1] | 1300 mg/l Test organisms (species): Lepomis macrochirus |
| EC50 - Crustacea [1] | > 100 mg/l Daphnia magna (Water flea) |
| EC50 72h - Algae [1] | 1100 mg/l |
| 1-Butoxypropan-2-ol (5131-66-8) | |
| LC50 - Fish [1] | > 560 mg/l Poecilia reticulata (Guppy) |

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| 1-Butoxypropan-2-ol (5131-66-8) | |
|---------------------------------|--|
| EC50 - Crustacea [1] | > 1000 mg/l Daphnia magna (Water flea) |
| EC50 96h - Algae [1] | > 1000 mg/l Raphidocelis subcapitata |

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

| 2-(2-butoxyethoxy)ethanol (112-34-5) | |
|---|------|
| Partition coefficient n-octanol/water (Log Pow) | 0.56 |

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

| DOT | IMDG | IATA |
|---|---------------|---------------|
| 14.1. UN number | | |
| Not regulated | Not regulated | Not regulated |
| 14.2. Proper Shipping Name | | |
| Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard class(es) | | |
| Not regulated | Not regulated | Not regulated |
| 14.4. Packing group | | |
| Not regulated | Not regulated | Not regulated |
| 14.5. Environmental hazards | | |
| Not regulated | Not regulated | Not regulated |
| No supplementary information available | | |

14.6. Special precautions for user

DOT

Not regulated

IMDG

Not regulated

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According to 29CFR 1910.1200 OSHA Hazard Communication Standard

IATA

Not regulated

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

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

| | | |
|---------------------------|------------------|------|
| 2-(2-butoxyethoxy)ethanol | CAS-No. 112-34-5 | 1-5% |
|---------------------------|------------------|------|

15.2. International regulations

CANADA

Dimetilsilossano (71750-80-6)

Listed on the Canadian DSL (Domestic Substances List)

1-Butoxypropan-2-ol (5131-66-8)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

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All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory
Listed on the Canadian DSL (Domestic Substances List)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

According to 29CFR 1910.1200 OSHA Hazard Communication Standard

Full text of H-phrases

| | |
|------|-------------------------------|
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.