



Epsom Salt (finished good)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Issue date: 10/02/2023

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : Epsom Salt (finished good)

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Cosmetics

1.3. Supplier

Buff City Soap
2716 Fairmount St.
Dallas, Texas 75201
T +1 (844) 468-7627

1.4. Emergency telephone number

Emergency number : +1 (844) 468-7627

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Not classified

2.2. GHS Label elements, including precautionary statements

GHS US labeling

No labeling applicable

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | Conc. | GHS US classification |
|-------------------|---------------------|-------|--|
| Benzyl Benzoate | (CAS-No.) 120-51-4 | <1 | Acute Tox. 4 (Oral), H302 Aquatic Chronic 2, H411 |
| Benzyl Alcohol | (CAS-No.) 100-51-6 | <1 | Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:dust,mist), H332 |
| Limonene | (CAS-No.) 5989-27-5 | <1 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| Linalool | (CAS-No.) 78-70-6 | <1 | Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317 |
| Benzyl Salicylate | (CAS-No.) 118-58-1 | <0.1 | Skin Sens. 1B, H317 |
| Coumarin | (CAS-No.) 91-64-5 | <0.1 | Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 STOT SE 3, H335 STOT RE 2, H373 Aquatic Acute 3, H402 Aquatic Chronic 3, H412 |
| Geraniol | (CAS-No.) 106-24-1 | <0.1 | Skin Sens. 1, H317 |

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| Name | Product identifier | Conc. | GHS US classification |
|--------------------|---------------------|-------|--|
| Hydroxycitronellal | (CAS-No.) 107-75-5 | <0.1 | Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 |
| Citral | (CAS-No.) 5392-40-5 | <0.1 | Flam. Liq. 4, H227 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 2, H401 |
| Citronellol | (CAS-No.) 106-22-9 | <0.1 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 2, H401 |
| Eugenol | (CAS-No.) 97-53-0 | <0.1 | Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 2, H401 |
| Cinnamyl Alcohol | (CAS-No.) 104-54-1 | <0.01 | Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 |

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 general : Never give anything by mouth to an unconscious person. If affected person feels unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : If affected person is experiencing breathing difficulty, allow affected person to breathe fresh air. Allow affected person to rest.
- First-aid measures after skin contact : If adverse skin reaction occurs, remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

- Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.
- Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

5.2. Specific hazards arising from the chemical

- Fire hazard : Not flammable.
- Explosion hazard : Product is not explosive.

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Fight fire with normal precautions from a reasonable distance.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Avoid release to the environment.

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6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clear up spills immediately and dispose of waste safely.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep container closed to avoid product contamination.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Benzyl Alcohol (100-51-6) | |
|---------------------------|---|
| WEEL TWA [ppm] | 10 ppm |
| Citral (5392-40-5) | |
| ACGIH OEL TWA [ppm] | 5 ppm (inhalable fraction and vapor) |
| ACGIH chemical category | Not Classifiable as a Human Carcinogen, Skin - potential significant contribution to overall exposure by the cutaneous route, dermal sensitizer |
| Limonene (5989-27-5) | |
| WEEL TWA [ppm] | 30 ppm |

8.2. Appropriate engineering controls

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

None needed.

Hand protection:

None needed

Eye protection:

None needed

Skin and body protection:

None needed

Respiratory protection:

None needed

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|--|
| Physical state | : Solid |
| Appearance | : White granules or crystalline powder |
| Color | : According to product specification |
| Odor | : Characteristic |
| Odor threshold | : No data available |
| pH | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Flammability | : No data available |
| Vapor pressure | : No data available |
| Relative vapor density at 20°C | : No data available |
| Relative density | : No data available |
| Solubility | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |

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| | |
|---------------------------|---------------------|
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity | : 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

None.

10.2. Chemical stability

Product is stable.

10.3. Possibility of hazardous reactions

Stable.

10.4. Conditions to avoid

Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Smokes. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

| Benzyl Alcohol (100-51-6) (Historical information; not tested on animals for cosmetics) | |
|--|---|
| LD50 oral rat | 1230 mg/kg |
| LD50 dermal rabbit | 2 g/kg |
| LC50 Inhalation - Rat | > 4178 mg/m ³ (Exposure time: 4 h) |
| ATE US (oral) | 1230 mg/kg body weight |
| ATE US (dermal) | 2000 mg/kg body weight |
| ATE US (gases) | 4500 ppmV/4h |
| ATE US (vapors) | 11 mg/l/4h |
| ATE US (dust, mist) | 1.5 mg/l/4h |

| Benzyl Benzoate (120-51-4) (Historical information; not tested on animals for cosmetics) | |
|---|------------------------|
| LD50 oral rat | 500 mg/kg |
| LD50 dermal rabbit | 4000 mg/kg |
| ATE US (oral) | 500 mg/kg body weight |
| ATE US (dermal) | 4000 mg/kg body weight |

| Benzyl Salicylate (118-58-1) (Historical information; not tested on animals for cosmetics) | |
|---|------------------------|
| LD50 oral rat | 2227 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg |
| ATE US (oral) | 2227 mg/kg body weight |

| Cinnamal (104-55-2) (Historical information; not tested on animals for cosmetics) | |
|--|------------------------|
| LD50 oral rat | 2220 mg/kg |
| LD50 dermal rabbit | 1260 mg/kg |
| ATE US (oral) | 2220 mg/kg body weight |
| ATE US (dermal) | 1260 mg/kg body weight |

| Cinnamyl Alcohol (104-54-1) (Historical information; not tested on animals for cosmetics) | |
|--|------------------------|
| LD50 oral rat | 2 g/kg |
| LD50 dermal rabbit | > 5000 mg/kg |
| ATE US (oral) | 2000 mg/kg body weight |

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| Citral (5392-40-5) (Historical information; not tested on animals for cosmetics) | |
|--|------------------------|
| LD50 oral rat | 4960 mg/kg |
| LD50 dermal rabbit | 2250 mg/kg |
| ATE US (oral) | 4960 mg/kg body weight |
| ATE US (dermal) | 2250 mg/kg body weight |
| Citronellol (106-22-9) (Historical information; not tested on animals for cosmetics) | |
| LD50 oral rat | 3450 mg/kg |
| LD50 dermal rabbit | 2650 mg/kg |
| ATE US (oral) | 3450 mg/kg body weight |
| ATE US (dermal) | 2650 mg/kg body weight |
| Coumarin (91-64-5) (Historical information; not tested on animals for cosmetics) | |
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rat | 293 mg/kg |
| ATE US (oral) | 100 mg/kg body weight |
| ATE US (dermal) | 293 mg/kg body weight |
| Eugenol (97-53-0) (Historical information; not tested on animals for cosmetics) | |
| LD50 oral rat | 1930 mg/kg |
| ATE US (oral) | 1930 mg/kg body weight |
| Geraniol (106-24-1) (Historical information; not tested on animals for cosmetics) | |
| LD50 oral rat | 3600 mg/kg |
| LD50 dermal rabbit | > 5 g/kg |
| ATE US (oral) | 3600 mg/kg body weight |
| Hydroxycitronellal (107-75-5) (Historical information; not tested on animals for cosmetics) | |
| LD50 oral rat | > 5 g/kg |
| LD50 dermal rabbit | > 2000 mg/kg |
| Limonene (5989-27-5) (Historical information; not tested on animals for cosmetics) | |
| LD50 oral rat | 4400 mg/kg |
| LD50 dermal rabbit | > 5 g/kg |
| ATE US (oral) | 4400 mg/kg body weight |
| Linalool (78-70-6) (Historical information; not tested on animals for cosmetics) | |
| LD50 oral rat | 2790 mg/kg |
| LD50 dermal rabbit | 5610 mg/kg |
| ATE US (oral) | 2790 mg/kg body weight |
| ATE US (dermal) | 5610 mg/kg body weight |

| | |
|---|--|
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Not classified |
| 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 |
| Aspiration hazard | : Not classified |
| Potential Adverse human health effects and symptoms | : Based on available data, the classification criteria are not met. |
| Symptoms/effects | : Not expected to present a significant hazard under anticipated conditions of normal use. |

SECTION 12: Ecological information

12.1. Toxicity

| Benzyl Alcohol (100-51-6) (Historical information; not tested on animals for cosmetics) | |
|--|--|
| LC50 - Fish [1] | 460 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
| EC50 - Crustacea [1] | 23 mg/l (Exposure time: 48 h - Species: water flea) |
| LC50 - Fish [2] | 10 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) |

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| | |
|---|---|
| Benzyl Benzoate (120-51-4) (Historical information; not tested on animals for cosmetics) | |
| LC50 - Fish [1] | 2.32 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static]) |
| Benzyl Salicylate (118-58-1) (Historical information; not tested on animals for cosmetics) | |
| LC50 - Fish [1] | 1.03 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static]) |
| Citral (5392-40-5) (Historical information; not tested on animals for cosmetics) | |
| EC50 - Crustacea [1] | 7 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| Eugenol (97-53-0) (Historical information; not tested on animals for cosmetics) | |
| LC50 - Fish [1] | 13 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static]) |
| Geraniol (106-24-1) (Historical information; not tested on animals for cosmetics) | |
| LC50 - Fish [1] | 22 mg/l (Exposure time: 96 h - Species: Danio rerio [static]) |
| Limonene (5989-27-5) (Historical information; not tested on animals for cosmetics) | |
| LC50 - Fish [2] | > 35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss) |
| Linalool (78-70-6) (Historical information; not tested on animals for cosmetics) | |
| LC50 - Fish [1] | 27.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) |
| EC50 - Crustacea [1] | 20 mg/l (Exposure time: 48 h - Species: Daphnia magna) |

12.2. Persistence and degradability

Not established.

12.3. Bioaccumulative potential

| | |
|--|-------------------------------|
| Benzyl Alcohol (100-51-6) (Historical information; not tested on animals for cosmetics) | |
| Partition coefficient n-octanol/water (Log Pow) | 1.05 |
| Benzyl Benzoate (120-51-4) (Historical information; not tested on animals for cosmetics) | |
| Partition coefficient n-octanol/water (Log Pow) | 3.97 (at 25 °C) |
| Benzyl Salicylate (118-58-1) (Historical information; not tested on animals for cosmetics) | |
| Partition coefficient n-octanol/water (Log Pow) | 4 |
| Cinnamal (104-55-2) (Historical information; not tested on animals for cosmetics) | |
| Partition coefficient n-octanol/water (Log Pow) | 2.1065 (at 25 °C) |
| Cinnamyl Alcohol (104-54-1) (Historical information; not tested on animals for cosmetics) | |
| Partition coefficient n-octanol/water (Log Pow) | 1.636 (at 27 °C (at pH 3.52)) |
| Citral (5392-40-5) (Historical information; not tested on animals for cosmetics) | |
| Partition coefficient n-octanol/water (Log Pow) | 2.76 (at 25 °C) |
| Citronellol (106-22-9) (Historical information; not tested on animals for cosmetics) | |
| Partition coefficient n-octanol/water (Log Pow) | 3.41 (at 25 °C) |
| Eugenol (97-53-0) (Historical information; not tested on animals for cosmetics) | |
| Partition coefficient n-octanol/water (Log Pow) | 1.83 (at 30 °C (at pH 5.5)) |
| Geraniol (106-24-1) (Historical information; not tested on animals for cosmetics) | |
| Partition coefficient n-octanol/water (Log Pow) | 2.6 (at 25 °C) |
| Hydroxycitronellal (107-75-5) (Historical information; not tested on animals for cosmetics) | |
| Partition coefficient n-octanol/water (Log Pow) | 1.68 (at 25 °C) |
| Limonene (5989-27-5) (Historical information; not tested on animals for cosmetics) | |
| Partition coefficient n-octanol/water (Log Pow) | 4.38 (at 37 °C (at pH 7.2)) |
| Linalool (78-70-6) (Historical information; not tested on animals for cosmetics) | |
| Partition coefficient n-octanol/water (Log Pow) | 2.9 (at 20 °C (at pH 7)) |

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

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SECTION 14: Transport information

Department of Transportation (DOT)

Not regulated as hazmat for transport

Transportation of Dangerous Goods

Not regulated as hazmat for transport

Transport by sea

Not regulated as hazmat for transport

Air transport

Not regulated as hazmat for transport

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.

This product is not subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

Canada-Regulations

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain substance(s) known to the state of California to cause cancer, developmental and/or reproductive harm

| Component | State or local regulations |
|---------------------------|---|
| Benzyl Alcohol (100-51-6) | U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List |

SECTION 16: Other information

Data sources

: **DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of H-phrases listed in Section 3:

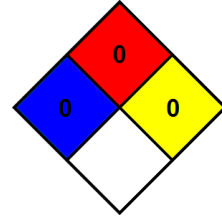
| | |
|------|---|
| H226 | Flammable liquid and vapor |
| H227 | Combustible liquid |
| H301 | Toxic if swallowed |
| H302 | Harmful if swallowed |
| H304 | May be fatal if swallowed and enters airways |
| H311 | Toxic in contact with skin |
| H312 | Harmful in contact with skin |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H319 | Causes serious eye irritation |
| H332 | Harmful if inhaled |
| H335 | May cause respiratory irritation |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| H400 | Very toxic to aquatic life |
| H401 | Toxic to aquatic life |
| H402 | Harmful to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |
| H411 | Toxic to aquatic life with long lasting effects |
| H412 | Harmful to aquatic life with long lasting effects |

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- NFPA health hazard : 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.
- NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.
- NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

- Health : 0 Minimal Hazard - No significant risk to health
- Flammability : 0 Minimal Hazard - Materials that will not burn
- Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

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.