



Dezcal Pro

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Date of issue: 01/15/2019

Revision date: 01/15/2019

Version: 1.0

SECTION 1: Identification

1.1. Identification

Product name : Dezcal Pro

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

Use of the substance/mixture : Cleaner

1.3. Details of the supplier of the safety data sheet

Manufacturer

Urnex Brands, LLC
700 Executive Blvd.
Elmsford, NY 10523 - USA
T +1-914-963-2042 - F +1-914-963-2145

Distributor

1.4. Emergency telephone number

Emergency number : International (Infotrac): +1 (352) 323-3500
US (Infotrac): 800-535-5053

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

GHS classification

Acute Tox. 4 (Oral)
Eye Irrit. 2A

2.2. Label elements

GHS labelling

Hazard pictograms (GHS) :



GHS07

Signal word (GHS) :

Warning

Hazard statements (GHS) :

Harmful if swallowed. Causes serious eye irritation.

Precautionary statements (GHS) :

Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye protection, protective gloves. If swallowed: Call a poison center/doctor if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse mouth. If eye irritation persists: Get medical advice/attention. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % |
|------------------------------------|----------------------|---------|
| Sulfamic acid | (CAS-No.) 5329-14-6 | 30 - 60 |
| Citric acid | (CAS-No.) 77-92-9 | 15 - 40 |
| Sulfuric acid, aluminum salt (3:2) | (CAS-No.) 10043-01-3 | 5 - 10 |

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

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SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact : If skin irritation occurs: Wash skin with plenty of water. Obtain medical attention if irritation persists.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/effects after inhalation : May cause irritation to the respiratory tract.
- Symptoms/effects after skin contact : May cause skin irritation. Repeated exposure may cause skin dryness or cracking.
- Symptoms/effects after eye contact : Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
- Symptoms/effects after ingestion : Harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon.
- Reactivity : No dangerous reactions known under normal conditions of use.

5.3. Advice for firefighters

- Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment. Minimize generation of dust.
- Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with skin and eyes. Avoid generating and breathing dust. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Good housekeeping is important to prevent the accumulation of dust. Provide adequate ventilation.
- Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place. Store in original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Citric acid (77-92-9)

Not applicable

Sulfamic acid (5329-14-6)

Not applicable

Sulfuric acid, aluminum salt (3:2) (10043-01-3)

Not applicable

8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Hand protection : Wear suitable gloves.
Eye protection : Wear eye protection.
Skin and body protection : Wear suitable protective clothing.
Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Environmental exposure controls : Avoid release to the environment.
Other information : Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid
Appearance : White powder or granules
Colour : White
Odour : No data available
Odour threshold : No data available
pH : 1.5 - 2 (Acid Reserve = 3.63)
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : No data available
Relative evaporation rate (butylacetate=1) : No data available
Flammability (solid, gas) : Not flammable
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Relative density : 1.15
Solubility : No data available
Partition coefficient n-octanol/water : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive limits : No data available
Explosive properties : No data available
Oxidising properties : No data available

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

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

Heat.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.
Acute toxicity (dermal) : Not classified.
Acute toxicity (inhalation) : Not classified.

| | |
|---------------|---------------------------|
| ATE CA (oral) | 1825.515 mg/kg bodyweight |
|---------------|---------------------------|

| Citric acid (77-92-9) | |
|-----------------------|--------|
| LD50 oral rat | 3 g/kg |

| Sulfamic acid (5329-14-6) | |
|---------------------------|------------|
| LD50 oral rat | 1450 mg/kg |

| Sulfuric acid, aluminum salt (3:2) (10043-01-3) | |
|---|------------|
| LD50 oral rat | 1930 mg/kg |

Skin corrosion/irritation : Not classified.
pH: 1.5 - 2 (Acid Reserve = 3.63)

Serious eye damage/irritation : Causes serious eye irritation.
pH: 1.5 - 2 (Acid Reserve = 3.63)

Respiratory or skin sensitisation : 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.

Symptoms/effects after inhalation : May cause irritation to the respiratory tract.

Symptoms/effects after skin contact : May cause skin irritation. Repeated exposure may cause skin dryness or cracking.

Symptoms/effects after eye contact : Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Symptoms/effects after ingestion : Harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Other information : Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

| Citric acid (77-92-9) | |
|-----------------------|---|
| LC50 fish 1 | 1516 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) |

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Sulfamic acid (5329-14-6)

| | |
|-------------|---|
| LC50 fish 1 | 14.2 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
|-------------|---|

12.2. Persistence and degradability

Dezcal Pro

| | |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

12.3. Bioaccumulative potential

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| | |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

Citric acid (77-92-9)

| | |
|---------------------------------------|------------------|
| Partition coefficient n-octanol/water | -1.72 (at 20 °C) |
|---------------------------------------|------------------|

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : No other effects known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

SECTION 14: Transport information

Department of Transportation (DOT) and Transportation of Dangerous Goods (TDG)

In accordance with DOT/TDG

Not regulated

SECTION 15: Regulatory information

15.1. 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.

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

15.2. International regulations

No additional information available

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

Revision date : 01/18/2019

Other information : None.

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