Rinza Alkaline Milk System Cleaning Powder

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: 11/16/2018 Revision date: 11/16/2018 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Product name : Rinza Alkaline Milk System Cleaning Powder

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

Recommended use : 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
info@urnex.com

Distributor
Add the name, address and tel. number of the Canadian manufacturer or importer who operates in Canada

1.4. Emergency telephone number

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

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

GHS classification

Acute Tox. 4 (Oral)
Acute Tox. 4 (Dermal)
Skin Irrit. 2
Eye Irrit. 2B
Skin Sens. 1
STOT SE 3

2.2. Label elements

GHS labelling

Hazard pictograms (GHS) :

GHS07

Signal word (GHS) : Warning

Hazard statements (GHS) : Harmful if swallowed or in contact with skin. Causes skin irritation. Causes eye irritation. May cause an allergic skin reaction. May cause respiratory irritation.

Precautionary statements (GHS) : Avoid breathing dust. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear eye protection, protective gloves. If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth. If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. 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. If eye irritation persists: Get medical advice/attention. Store in a well-ventilated place. Keep container tightly closed. Store locked up. 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

15.15% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
72.71% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Carbonic acid, dipotassium salt	(CAS-No.) 584-08-7	10 - 30
Maleic acid	(CAS-No.) 110-16-7	10 - 30
Disodium carbonate	(CAS-No.) 497-19-8	10 - 30
Phosphonic acid, (1-hydroxyethylidene)bis-, tetrasodium salt	(CAS-No.) 3794-83-0	5 - 10
Sulfuric acid, mono-C12-14-alkyl esters, sodium salts	(CAS-No.) 85586-07-8	1 - 5

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

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 ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.

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 : IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a POISON CENTER/doctor 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 : Harmful in contact with skin. Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Causes 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 : Carbon dioxide (CO_2). Powder. Water spray. For large fire: Alcohol-resistant foam.

Unsuitable extinguishing media : Do not use water jet.

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

Firefighting instructions : Use water spray to cool exposed surfaces.

Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Cool closed containers exposed to fire with water spray.

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	:	Contain spill, then place in a suitable container. Minimize dust generation. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
Methods for cleaning up	:	Vacuum or sweep material and place in a disposal container. Avoid dust formation. Provide ventilation.

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. Do not breathe dust. Do not swallow. Avoid generating dust. Handle and open container with care. When using do not eat, drink or smoke. Good housekeeping is important to prevent accumulation of dust.
Hygiene measures	:	Wash contaminated clothing before reuse. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Carbonic acid, dipotassium salt (584-08-7)

Not applicable

Maleic acid (110-16-7)

Not applicable

Disodium carbonate (497-19-8)

Not applicable

Phosphonic acid, (1-hydroxyethylidene)bis-, tetrasodium salt (3794-83-0)

Not applicable

Sulfuric acid, mono-C12-14-alkyl esters, sodium salts (85586-07-8)

Not applicable

8.2. Exposure controls

Appropriate engineering controls	:	Ensure good ventilation of the work station.
Hand protection	:	Wear suitable gloves resistant to chemical penetration.
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	:	Powder
Colour	:	White
Odour	:	None

Odour threshold	:	No data available
pH	:	9 - 10 (10% solution)
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	:	No data available
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

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. Incompatible materials.

10.5. Incompatible materials

Strong oxidizing agents. Strong acids.

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)	:	Oral: Harmful if swallowed.
Acute toxicity (dermal)	:	Dermal: Harmful in contact with skin.
Acute toxicity (inhalation)	:	Not classified.

ATE (oral)	758.42 mg/kg bodyweight
ATE (Dermal)	1702.771 mg/kg bodyweight
Unknown acute toxicity	15.15% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 72.71% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

Carbonic acid, dipotassium salt (584-08-7)	
LD50 oral rat	1870 mg/kg

Maleic acid (110-16-7)	
LD50 oral rat	708 mg/kg
LD50 oral	708 mg/kg

Maleic acid (110-16-7)	
LD50 dermal rabbit	1560 mg/kg
LD50 dermal	1560 mg/kg
LC50 inhalation rat	> 720 mg/m³ (Exposure time: 1 h)

Disodium carbonate (497-19-8)	
LD50 oral rat	4090 mg/kg

Phosphonic acid, (1-hydroxyethylidene)bis-, tetrasodium salt (3794-83-0)	
LD50 oral rat	990 mg/kg

Sulfuric acid, mono-C12-14-alkyl esters, sodium salts (85586-07-8)	
LD50 oral rat	> 1000 mg/kg

Skin corrosion/irritation : Causes skin irritation.
pH: 9 - 10 (10% solution)

Serious eye damage/irritation : Causes eye irritation.
pH: 9 - 10 (10% solution)

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified.

Carcinogenicity : Not classified.

Reproductive toxicity : Not classified.

STOT-single exposure : May cause respiratory irritation.

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 : Harmful in contact with skin. Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Causes 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.

Carbonic acid, dipotassium salt (584-08-7)	
EC50 Daphnia 1	630 mg/l (Exposure time: 48 h - Species: Ceriodaphnia dubia)

Maleic acid (110-16-7)	
LC50 fish 1	5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	250 - 400 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Disodium carbonate (497-19-8)	
LC50 fish 1	300 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	265 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	310 - 1220 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

Sulfuric acid, mono-C12-14-alkyl esters, sodium salts (85586-07-8)	
LC50 fish 1	10 - 100 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
EC50 Daphnia 1	2.8 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	2.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas)

12.2. Persistence and degradability

Rinza Alkaline Milk System Cleaning Powder v2	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Rinza Alkaline Milk System Cleaning Powder v2	
Bioaccumulative potential	Not established.

Maleic acid (110-16-7)	
BCF fish 1	10
Partition coefficient n-octanol/water	-0.79 - 0.32

Disodium carbonate (497-19-8)	
BCF fish 1	(no bioaccumulation)

Sulfuric acid, mono-C12-14-alkyl esters, sodium salts (85586-07-8)	
BCF fish 1	2.1 - 11

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 : 11/16/2018

Other information : None.

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