



Milkpure Powder (Alkaline)

Safety Data Sheet

Milk System Cleaning Powder

Auskunftgebender Bereich:

*Schaerer Ltd.
P.O Box Allmendweg 8, 4528 Zuchwil
Switzerland
Tel: +41 (0)32 681 62 00
Fax: +41 (0)32 681 63 26*



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Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : Milkpure Powder (Alkaline)

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

1.2.1. Relevant identified uses

Main use category : Industrial use
Use of the substance/mixture : Alkaline Milk System Cleaning Powder

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

Urnex Brands, LLC
700 Executive Blvd.
Elmsford, NY
T +1-914-963-2042
F +1-914-963-2145
info@urnex.com

Distributor

Urnex Brands, LLC
29 Harley Street, London, W1G 9QR
United Kingdom
Tel: +44 (0)20 7927 6881

1.4. Emergency telephone number

Emergency number : International (Infotrac): +1 (352) 323-3500
GERMANY: (49) 0800-181-2924

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 4 (Oral)	H302
Acute Tox. 4 (Dermal)	H312
Skin Corr. 1A	H314
Eye Dam. 1	H318
Skin Sens. 1	H317

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

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

GHS07

Signal word (CLP) : Danger
Hazardous ingredients : Sodium hydroxide; Maleic acid
Hazard statements (CLP) : H302+H312 - Harmful if swallowed or in contact with skin
H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.
Precautionary statements (CLP) : P260 - Do not breathe dust.
P280 - Wear protective gloves, eye protection.
P301+P330+P331+P310 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
Immediately call a POISON CENTER or doctor.

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- P303+P361+P353+P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER or doctor.
P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation
- Unknown acute toxicity (CLP) - SDS : 5% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
53.68% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
80.82% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation)
- Unknown hazards to the aquatic environment (CLP) : Contains 5% of components with unknown hazards to the aquatic environment

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sodium hydroxide	(CAS-No.) 1310-73-2 (EC-No.) 215-185-5 (EC Index-No.) 011-002-00-6	< 0.1	Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Skin Corr. 1A, H314 Eye Dam. 1, H318
Maleic acid	(CAS-No.) 110-16-7 (EC-No.) 203-742-5 (EC Index-No.) 607-095-00-3	10 – 30	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335
Sulfuric acid, mono-C12-14-alkyl esters, sodium salts	(CAS-No.) 85586-07-8 (EC-No.) 287-809-4	1 - 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412

Specific concentration limits:

Name	Product identifier	Specific concentration limits
Sodium hydroxide	(CAS-No.) 1310-73-2 (EC-No.) 215-185-5 (EC Index-No.) 011-002-00-6	(0.5 =<C < 2) Skin Irrit. 2, H315 (0.5 =<C < 2) Eye Irrit. 2, H319 (2 =<C < 5) Skin Corr. 1B, H314 (C >= 5) Skin Corr. 1A, H314
Maleic acid	(CAS-No.) 110-16-7 (EC-No.) 203-742-5 (EC Index-No.) 607-095-00-3	(C >= 0.1) Skin Sens. 1, H317
Sulfuric acid, mono-C12-14-alkyl esters, sodium salts	(CAS-No.) 85586-07-8 (EC-No.) 287-809-4	(C < 20) Eye Dam. 1, H318 (10 =<C < 20) Eye Irrit. 2, H319

Full text of H-statements: see section 16

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. Immediately call a POISON CENTER/doctor.
- First-aid measures after skin contact : If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER or doctor.
- 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. Immediately call a POISON CENTER/doctor.
- First-aid measures after ingestion : IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Immediately call a POISON CENTER/doctor.

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

- Symptoms/effects after inhalation : May cause burns to the respiratory tract.
- Symptoms/effects after skin contact : Harmful in contact with skin. Causes severe skin burns. Symptoms may include redness, pain, blisters.
- Symptoms/effects after eye contact : Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.

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Symptoms/effects after ingestion : May be harmful if swallowed. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. 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 (CO₂). Powder. Water spray. For large fire: Alcohol resistant foam.
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.

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).

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 : Shovel or sweep up and put in a closed container for disposal. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.
Methods for cleaning up : Vacuum or sweep material and place in a disposal container. Avoid dust formation.

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 : Do not get in eyes, on skin, or on clothing. Do not swallow. Do not breathe dust. Handle and open container with care. When using do not eat, drink or smoke. Avoid generating dust. Wear appropriate PPE (see Section 8). 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 original container. Store in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

Chemical resistant gloves (according to European standard NF EN 374 or equivalent)

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Eye protection:

Safety eyewear complying with an approved standard such as the European Standard EN166 should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

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	: 10.5 - 12 (1% solution)
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: No data available
Decomposition temperature	: 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
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 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.

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

ATE CLP (oral)	439.156 mg/kg bodyweight
ATE CLP (dermal)	1468.149 mg/kg bodyweight

Sodium hydroxide (1310-73-2)	
LD50 oral rat	140 - 340 mg/kg
LD50 dermal rabbit	1350 mg/kg

Maleic acid (110-16-7)	
LD50 oral rat	708 mg/kg
LD50 dermal rabbit	1560 mg/kg
LC50 inhalation rat	> 720 mg/m ³ (Exposure time: 1 h)

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

Unknown acute toxicity (CLP) - SDS : 5% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
53.68% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
80.82% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation)

Skin corrosion/irritation : Causes severe skin burns.
pH: 10.5 - 12 (1% solution)

Serious eye damage/irritation : Causes serious eye damage.
pH: 10.5 - 12 (1% solution)

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

Germ cell mutagenicity : Not classified.

Additional information : Based on available data, the classification criteria are not met.

Carcinogenicity : Not classified.

Additional information : Based on available data, the classification criteria are not met.

Reproductive toxicity : Not classified.

Additional information : Based on available data, the classification criteria are not met.

STOT-single exposure : Not classified.

Additional information : Based on available data, the classification criteria are not met.

STOT-repeated exposure : Not classified.

Additional information : Based on available data, the classification criteria are not met.

Aspiration hazard : Not classified.

Additional information : Based on available data, the classification criteria are not met.

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.
Unknown hazards to the aquatic environment (CLP)	: Contains 5% of components with unknown hazards to the aquatic environment
Acute aquatic toxicity	: Not classified.
Chronic aquatic toxicity	: Not classified.

Sodium hydroxide (1310-73-2)	
LC50 fish 1	45.4 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	40 mg/l

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)

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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])
LC50 fish 2	2.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
EC50 Daphnia 1	2.8 mg/l (Exposure time: 48 h - Species: Daphnia magna)

12.2. Persistence and degradability

Rinza Powder	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Rinza Powder	
Bioaccumulative potential	Not established.

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

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. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional 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. The generation of waste should be avoided or minimized wherever possible.

SECTION 14: Transport information

In accordance with ADR

14.1. UN number

UN-No. (ADR) : Not Applicable

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not Regulated

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not Applicable

Danger labels (ADR) : Not Applicable

14.4. Packing group

Packing group (ADR) : Not Applicable

14.5. Environmental hazards

Dangerous for the environment : No

Other information : No supplementary information available.

14.6. Special precautions for user

Special transport precautions : Not Applicable

- Overland transport

Orange plates : Not Applicable

EAC code : Not Applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Detergent Directive (EC) No. 648/2004:

Product contains <5% anionic surfactants

Contains no REACH substances with Annex XVII restrictions

Contains no REACH candidate substance.

Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

None.

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Prepared by : Nexreg Compliance Inc.

www.Nexreg.com



Full text of H- and EUH-statements:

Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H312	Harmful 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.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Acute Tox. 4 (Oral)	H302	Calculation method
Acute Tox. 4 (Dermal)	H312	Calculation method
Skin Corr. 1A	H314	On basis of test data
Eye Dam. 1	H318	On basis of test data
Skin Sens. 1	H317	Calculation method

SDS EU (REACH Annex II)_NEXREG_NEW

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