OptiClean Alkaline milk system cleaning tabs

Version: 1 / GB Replaces Version: - / GB Date revised: 02.11.2026 Print date: 02.11.26

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

1.1. Product identifier

OptiClean Alkaline milk system cleaning tabs

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

Use of the substance/preparation

Cleaners

Identified Uses

PC35 Washing and cleaning products (including solvent based products)

1.3. Details of the supplier of the safety data sheet

Address

Westomatic Vending Services LTD
Units 7-8 Forde Court, Forde Road, Brunel Industrial Estate, Newton Abbot
TQ12 4BT Devon
Telephone no. +44 (0)1626 323100
www.animo.eu

E-mail address of person responsible for this SDS:
QHSE@animo.nl

1.4. Emergency telephone number

National Poisons Information Service: (+44) 0344 892 0111 (For Healthcare Professionals in the UK)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)
Eye Irrit. 2 H319
The product is classified and labelled in accordance with Regulation (EC) No 1272/2008
For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Warning

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.
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.
	Dispose only when container is empty and closed. For disposal of product residues, refer to safety data sheet.

2.3. Other hazards

No special hazards have to be mentioned.
The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients

sodium carbonate peroxyhydrate

CAS No.	15630-89-4					
EINECS no.	239-707-6					
Registration no.	01-2119457268-30					
Concentration		>=	10	<	25	%
Classification (Regulation (EC) No. 1272/2008)						
	Ox. Sol. 3		H272			
	Acute Tox. 4		H302			
	Eye Dam. 1		H318			

Concentration limits (Regulation (EC) No. 1272/2008)

Eye Dam. 1	H318	>= 25 %	
Eye Irrit. 2	H319	>= 7,5 < 25 %	
ATE oral		1.034	mg/kg

1-hydroxyethane-1,1-diphosphonic acid, tetrasodium salt

CAS No.	3794-83-0					
EINECS no.	223-267-7					
Registration no.	01-2119510382-52					
Concentration		>=	10	<	25	%
Classification (Regulation (EC) No. 1272/2008)						
	Acute Tox. 4		H302			Route of exposure: oral
	Eye Irrit. 2		H319			

Concentration limits (Regulation (EC) No. 1272/2008)

Eye Irrit. 2	H319	>= 30 %	
ATE oral		1.100	mg/kg

potassium carbonate

CAS No.	584-08-7					
EINECS no.	209-529-3					
Registration no.	01-2119532646-36					
Concentration		>=	1	<	10	%
Classification (Regulation (EC) No. 1272/2008)						
	Skin Irrit. 2		H315			
	Eye Irrit. 2		H319			
	STOT SE 3		H335			

citric acid

CAS No.	77-92-9					
EINECS no.	201-069-1					
Registration no.	01-2119457026-42					
Concentration		>=	1	<	10	%

Classification (Regulation (EC) No. 1272/2008)

Eye Irrit. 2	H319
STOT SE 3	H335

sodium carbonate

CAS No.	497-19-8				
EINECS no.	207-838-8				
Registration no.	01-2119485498-19				
Concentration	>=	1	<	10	%

Classification (Regulation (EC) No. 1272/2008)

Eye Irrit. 2	H319

Other information

Complete text of hazard statements in chapter 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of persistent symptoms consult doctor.

After inhalation

Ensure supply of fresh air. When dust is intensively inhaled, seek medical help immediately.

After skin contact

In case of contact with skin wash off with warm water. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an oculist.

After ingestion

Rinse out mouth and give plenty of water to drink.

Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

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

Until now no symptoms known so far.

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

Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Pick up mechanically. Clean contaminated floors and objects thoroughly, observing environmental regulations.

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Observe the usual precautions for handling chemicals.

Advice on protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value	>	0	< 25	°C

Requirements for storage rooms and vessels

Store product in closed containers.

Hints on storage assembly

Do not store together with foodstuffs.

Storage classes

Storage class according to TRGS 510	10-13	Other combustible and non-combustible substances

Further information on storage conditions

Keep container tightly closed and dry.

7.3. Specific end use(s)

no data

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other information

There are not known any further control parameters.

8.2. Exposure controls

Respiratory protection

Not necessary.

Hand protection

In case of intensive contact wear protective gloves.

Appropriate Material	neoprene		
Material thickness	>=	0,65	mm
Breakthrough time	>=	480	min

Appropriate Material	nitrile		
Material thickness	>=	0,4	mm
Breakthrough time	>=	480	min
Appropriate Material	butyl		
Material thickness	>=	0,7	mm
Breakthrough time	>=	480	min
Use	Short-term hand contact		
Appropriate Material	nitrile		
Material thickness	>=	0,11	mm

Hand protection must comply with EN 374.

Eye protection

Safety glasses with side protection shield; Eye protection must comply with EN 166.

Body protection

Not necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Fine granules
Colour	white
Odour	odourless

Melting point

Remarks	not determined

Freezing point

Remarks	not determined

Boiling point or initial boiling point and boiling range

Remarks	not determined

Flammability

evaluation	not determined

Upper and lower explosive limits

Remarks	not determined

Flash point

Remarks	not determined

Auto-ignition temperature

Remarks	not determined

Decomposition temperature

Remarks	
Remarks	not determined

pH value

Remarks	not determined

Viscosity

Remarks	Not applicable

Solubility(ies)

Remarks	not determined

Partition coefficient n-octanol/water (log value)

Remarks	not determined

Vapour pressure

Remarks	not determined

Density and/or relative density

Remarks	not determined

Relative vapour density

Remarks	not determined

9.2. Other information

Odour threshold

Remarks	not determined

Evaporation rate (ether = 1) :

Remarks	not determined

Solubility in water

Remarks	not determined

Explosive properties

evaluation	not determined

Oxidising properties

evaluation	None known

Other information

None known

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No hazardous reactions known.

10.5. Incompatible materials

Reducing agents

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity

ATE	>	2000	mg/kg
Method	calculated value according to GHS (e.g see UN GHS)		

Acute oral toxicity (Components)

sodium carbonate

Species	rat		
LD50		2800	mg/kg

sodium carbonate peroxyhydrate

Species	rat		
LD50		1034	mg/kg
Method	Value taken from the literature		

1-hydroxyethane-1,1-diphosphonic acid, tetrasodium salt

Species	rat		
LD50		1100	mg/kg

citric acid

Species	mouse		
LD50		5400	mg/kg
Method	OECD 401		
Source	ECHA		

Acute dermal toxicity

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

Acute dermal toxicity (Components)

sodium carbonate

Species	rabbit		
LD50	>	2000	mg/kg

sodium carbonate peroxyhydrate

Species	rabbit		
LD50	>	2000	mg/kg
Method	OECD 402		

Acute inhalational toxicity

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

Acute inhalative toxicity (Components)

sodium carbonate

Species	mouse		
LC50		1,2	mg/l
Duration of exposure		2 h	

Skin corrosion/irritation

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

Skin corrosion/irritation (Components)

sodium carbonate peroxyhydrate

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

Serious eye damage/irritation

evaluation: irritant
Remarks: The classification criteria are met.

Serious eye damage/irritation (Components)

sodium carbonate peroxyhydrate

Species: rabbit eye
evaluation: irritant - risk of serious damage to eyes
Method: OECD 405

1-hydroxyethane-1,1-diphosphonic acid, tetrasodium salt

evaluation: irritant

Sensitization

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

Sensitization (Components)

sodium carbonate peroxyhydrate

Route of exposure: dermal
Species: guinea pig
evaluation: non-sensitizing
Method: OECD 406

Subacute, subchronic, chronic toxicity

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

Mutagenicity

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

Reproductive toxicity

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

Reproduction toxicity (Components)

sodium carbonate

Remarks: No indications of toxic effects were observed in reproduction studies in animals.

Carcinogenicity

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

Specific Target Organ Toxicity (STOT)

Single exposure

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

Repeated exposure

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

Aspiration hazard

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

11.2. Information on other hazards

Endocrine disrupting properties with respect to humans

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

Experience in practice

Inhalation of dusts may irritate the respiratory tract.

Other information

There is no data available on the product apart from the information given in this subsection.

SECTION 12: Ecological information

12.1. Toxicity

General information

not determined

Fish toxicity (Components)

sodium carbonate

Species	Bluegill (Lepomis macrochirus)		
LC50	300		mg/l
Duration of exposure	96	h	

sodium carbonate peroxyhydrate

Species	Fathead minnow (Pimephales promelas)		
LC50	70,7		mg/l
Duration of exposure	96	h	

1-hydroxyethane-1,1-diphosphonic acid, tetrasodium salt

Species	rainbow trout (Oncorhynchus mykiss)		
LC50	> 100		mg/l
Duration of exposure	96	h	

citric acid

Species: golden orfe (Leuciscus idus)

LC50	440	to	706	mg/l
Duration of exposure	96	h		

Daphnia toxicity (Components)

sodium carbonate

Species	Ceriodaphnia spec			
EC50	200	to	227	mg/l
Duration of exposure	48	h		

sodium carbonate peroxyhydrate

Species	Daphnia pulex			
EC50	4,9			mg/l
Duration of exposure	48	h		

sodium carbonate peroxyhydrate

Species	Daphnia pulex			
NOEC	2			mg/l
Duration of exposure	48	h		

1-hydroxyethane-1,1-diphosphonic acid, tetrasodium salt

Species	Daphnia magna			
EC50	> 170			mg/l
Duration of exposure	96	h		

citric acid

Species	Daphnia magna			
EC50	120			mg/l
Duration of exposure	72	h		

Bacteria toxicity (Components)

sodium carbonate peroxyhydrate

Species	activated sludge			
EC50	466			mg/l
Duration of exposure	30	min		

12.2. Persistence and degradability

General information

not determined

Ready degradability (Components)

citric acid

12.3. Bioaccumulative potential

General information

not determined

Partition coefficient n-octanol/water (log value)

Remarks not determined

12.4. Mobility in soil

General information

not determined

12.5. Results of PBT and vPvB assessment

General information

not determined

Results of PBT and vPvB assessment

The product contains no PBT substances
The product contains no vPvB substances.

12.6 Endocrine disrupting properties

Endocrine disrupting properties with respect to the envrionment

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

General information

not determined

General information / ecology

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

EWC waste code 18 01 06* chemicals consisting of or containing dangerous substances
EWC waste code 20 01 29* detergents containing dangerous substances
The listed waste code numbers, according to the European Waste Catalogue (EWC), are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

Disposal recommendations for packaging

EWC waste code 15 01 02 plastic packaging
Completely emptied packagings can be given for recycling.
EWC waste code 15 01 10* packaging containing residues of or contaminated by dangerous substances
Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number or ID number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

SECTION 15: Regulatory information

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

Ingredients (Regulation (EC) No 648/2004)

15 % or over but less than 30 %:
oxygen-based bleaching agents

5 % or over but less than 15 %:
phosphonates

less than 5 %:
polycarboxylates

VOC

VOC (EU)	0	%

Other information

The product does not contain substances according to: Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH).

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

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

Classification (Regulation (EC) No. 1272/2008)

Eye Irrit. 2	H319	Calculation method

Hazard statements listed in Chapter 2/3

H272	May intensify fire; oxidizer.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

CLP categories listed in Chapter 2/3

Acute Tox. 4	Acute toxicity, Category 4
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Ox. Sol. 3	Oxidising solid, Category 3
Skin Irrit. 2	Skin irritation, Category 2
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

Abbreviations

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route
RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses
IMDG: International Maritime Code for Dangerous Goods
ICAO: International Civil Aviation Organization
IATA: International Air Transport Association
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978 (MARPOL: Marine Pollution)
IBC: Intermediate Bulk Container
CAS: Chemical Abstracts Service
TSCA: Toxic Substances Control Act (USA)
VOC: Volatile Organic Compound
OEL: Occupational exposure limit
WEL: Workplace exposure limit
LD: Lethal dose
LC: Lethal concentration
PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very persistent and very bioaccumulative
SVHC: Substances of very high concern
OECD: Organisation for Economic Co-operation and Development
IMO: International Maritime Organization
GHS: Globally Harmonized System of classification and Labelling of Chemicals
REACH: Registration, Evaluation, Autohorisation and Restriction of Chemicals
UN: United Nations
EU: European Union
ISO: International Organization for Standardization
TRGS: Technische Regeln für Gefahrstoffe

EG: Europäische Gemeinschaft

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.