



SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

Lotus Sanitizer and Toilet Cleaner

Product no.

-

REACH registration number

Not applicable

Other means of identification

-

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

Relevant identified uses of the substance or mixture

Detergent for cleaning and maintenance of toilets and lavatories. Works also as start-up and maintenance of septic tanks, drains etc..

Micro-organisms removes and prevents the unpleasant odor and decomposes organic material.

The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address

PRO-REN A/S
Springstrup 7
DK-4300 Holbæk
tlf: +45 70 20 34 60
fax: +45 70 20 34 80
www.proren.dk

Contact person

Janie Madsen

E-mail

msds@proren.dk

SDS date

20-11-2012

SDS Version

1.0

1.4. Emergency telephone number

Use your national or local emergency number

See section 4 "First aid measures"

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This product is not classified as dangerous.

See full text of H/R-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)

-

Hazard statement(s)

-

Identity of the substances primarily responsible for the major health hazards

-



According to EC-Regulation 1907/2006 (REACH)

Safety statement(s)	General	-
	Prevention	-
	Response	-
	Storage	-
	Disposal	-

2.3. Other hazards

-

Additional labelling

Safety data sheet available on request.

Additional warnings

-

VOC

-

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances

NAME: water
IDENTIFICATION NOS.: CAS-no: 7732-18-5 EC-no: -
CONTENT: 95-100%
DSD CLASSIFICATION: -
CLP CLASSIFICATION: -

NAME: alkylic alcohol, ethoxylated
IDENTIFICATION NOS.: CAS-no: 68439-46-3
CONTENT: 1-5%
DSD CLASSIFICATION: Xn;R22 Xi;R41
CLP CLASSIFICATION: Acute Tox. 4, Eye Dam. 1
H302, H318

NAME: polymer
IDENTIFICATION NOS.: CAS-no: 9007-20-9 EC-no: -
CONTENT: <1%
DSD CLASSIFICATION: -
CLP CLASSIFICATION: -

NAME: potassium (E,E)-hexa-2,4-dienoate
IDENTIFICATION NOS.: CAS-no: 24634-61-5 EC-no: 246-376-1
CONTENT: <1%
DSD CLASSIFICATION: Xi;R36/38
CLP CLASSIFICATION: Skin Irrit. 2, Eye Irrit. 2
H315, H319

NAME: micro organisms, european gr. 1
IDENTIFICATION NOS.: CAS-no: -
CONTENT: <1%
DSD CLASSIFICATION: -
CLP CLASSIFICATION: -

NAME: perfume
IDENTIFICATION NOS.: CAS-no: - EC-no: -
CONTENT: <0.25%
DSD CLASSIFICATION: Xi;R41
CLP CLASSIFICATION: Eye Dam. 1
H318

NAME: citric acid
IDENTIFICATION NOS.: CAS-no: 77-92-9 EC-no: 201-069-1
CONTENT: <0.1%
DSD CLASSIFICATION: Xi;R36
CLP CLASSIFICATION: Eye Irrit. 2
H319

NAME: dihydrogen (ethyl)[4-[4-[ethyl(3-sulphonatobenzyl)]amino]-2'-sulpho...
IDENTIFICATION NOS.: CAS-no: 3844-45-9 EC-no: 223-339-8
CONTENT: <0.01%
DSD CLASSIFICATION: -
CLP CLASSIFICATION: -

(*) See full text of H/R-phrases in chapter 16. Occupational limits are listed in section 8, if these are available.



According to EC-Regulation 1907/2006 (REACH)

Other informations

Ingredients:

AQUA (Solvent), C9-11 PARETH-3 (Surfactant), CARBOMER (Thickening agent), MICRO ORGANISMS (-), POTASSIUM SORBATE (Preservative), PHENYLISOHEXANOL (Fragrance), PARFUM (Fragrance), CITRIC ACID (pH adjustment), ACID BLUE 9 (Dye)

Detergent:

0 - 5%: non-ionic surfactants, disinfectants, enzymes, perfumes

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor, if in doubt about the injured person's condition or if the symptoms continue. Never give an unconscious person water or similar.

Inhalation

Get the person into fresh air and stay with them.

Skin contact

Remove contaminated clothing and shoes at once. Skin that has come in contact with the material must be washed thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact

Remove contact lenses. Flush eyes immediately with plenty of water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. If irritation continues, contact a doctor.

Ingestion

Give the person plenty to drink and stay with the person. If the person feels unwell, contact a doctor immediately and take this safety data sheet or the label from the product with you. Do not induce vomiting unless recommended by the doctor. Hold head facing down so that no vomit runs back into the mouth and throat.

Burns

Rinse with water until the pain stops and continue for 30 minutes.

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

No special

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

No special

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Water jets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

No special

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No specific requirements.

6.2. Environmental precautions

No specific requirements.



According to EC-Regulation 1907/2006 (REACH)

6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. Cleaning should be done as far as possible using normal cleaning agents. Solvents should be avoided.

6.4. Reference to other sections

See section on "Disposal considerations" with regard to the handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

See section on 'Exposure controls/personal protection' for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original.

Storage temperature

Frost-free

7.3. Specific end use(s)

This product should only be used for applications described in Section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OEL

No data available

DNEL / PNEC

PNEC (citric acid): 0,44 mg/L - Exposure: Water - Duration: Single - Remarks: Freshwater

PNEC (citric acid): 0,044 mg/L - Exposure: Water - Duration: Single - Remarks: Marine water

PNEC (citric acid): 33,1 mg/kg - Exposure: Soil - Duration: Single

8.2. Exposure controls

No control is necessary if the product is used in a normal way.

General recommendations

Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom.

Exposure scenarios

If there is an appendix to this safety data sheet, the indicated exposure scenarios must be complied.

Exposure limits

There are no maximum exposure limits for the substances contained in this product.

Appropriate technical measures

Take ordinary precautions when using the product. Avoid inhalation of gas or dust.

Hygiene measures

Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face.

Measures to avoid environmental exposure

No specific requirements.

Individual protection measures, such as personal protective equipment



Generally

Only CE-marked personal protection equipment should be used.

Respiratory Equipment

No specific requirements.

Skin protection

No specific requirements.



According to EC-Regulation 1907/2006 (REACH)

Hand protection

Recommended: Nitrile rubber. . Breakthrough time: > 480 minutes (Class 6)

Eye protection

No specific requirements.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Colour	Odour	pH	Viscosity	Density (g/cm ³)
Liquid	Blue	Pleasant	5,5	-	1,0

Phase changes

Melting point (°C)	Boiling point (°C)	Vapour pressure (mm Hg)
-	-	-

Data on fire and explosion hazards

Flashpoint (°C)	Ignition (°C)	Self ignition (°C)
-	-	-
Explosion limits (Vol %)	Oxidizing properties	
-	-	

Solubility

Solubility in water	n-octanol/water coefficient
Soluble	-

9.2. Other information

Solubility in fat	Additional information
-	N/A

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under the conditions, noted in the section on "Handling and storage".

10.3. Possibility of hazardous reactions

No special

10.4. Conditions to avoid

Do not expose to heat (e.g. sunlight), because it can lead to excess pressure.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidising agents, and strong catabolic agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Substance	Species	Test	Route of exposure	Result
citric acid	Rat	LD50	Oral	5790 mg/kg
citric acid	Rat	LD50	Dermal	>2000 mg/kg
alkylic alcohol, ethoxylated	Rat	LD50	Oral	1378 mg/kg
alkylic alcohol, ethoxylated	Rabbit	LD50	Dermal	>2000 mg/kg
polymer	Rat	LD50	Oral	2500 mg/kg

Long term effects

No special



According to EC-Regulation 1907/2006 (REACH)

SECTION 12: Ecological information

12.1. Toxicity

Substance	Species	Test	Test duration	Result
dihydrogen (ethyl)[4-[4-[ethyl...	Fish	LC50	96 h	>96 mg/L
dihydrogen (ethyl)[4-[4-[ethyl...	Daphnia	EC50	48 h	>97 mg/L
citric acid	Fish	LC50	48 h	440 mg/L
citric acid	Daphnia	EC50	72 h	120 mg/L
alkylic alcohol, ethoxylated	Fish	LC50	96 h	110 mg/kg
alkylic alcohol, ethoxylated	Daphnia	EC50	48 h	120 mg/kg

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
water		No data available	No data available
citric acid	Yes	No data available	No data available

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BFC
dihydrogen (ethyl)[4-[4-[ethyl...	No	-0,32	No data available
water	No	No data available	No data available
citric acid	No	-1,64	3,2
potassium (E,E)-hexa-2,4-dieno...	No	1,62	No data available

12.4. Mobility in soil

dihydrogen (ethyl)[4-[4-[ethyl...: Log Koc= -0,175008, Calculated from LogPow (). citric acid: Log Koc= -1,220316, Calculated from LogPow ().potassium (E,E)-hexa-2,4-dieno...: Log Koc= 1,361278, Calculated from LogPow (High mobility potential.).

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

Non known

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product is covered by the regulations on dangerous waste.

Waste

EWC code
20 01 29

Specific labelling

-

Contaminated packing

Packaging which contains leftovers from the product must be disposed of in the same way as the product.

SECTION 14: Transport information

Not listed as dangerous goods under ADR and IMDG regulations.

14.1 – 14.4

ADR/RID	UN number	UN proper shipping name	Transport hazard class(es)	Packing group	Notes	
IMDG	UN-no.	Proper Shipping Name	Class	PG*	EmS MP**	Hazardous constituent

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available

(*) Packing group

(**) Marine pollutant



According to EC-Regulation 1907/2006 (REACH)

SECTION 15: Regulatory information

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

Restrictions for application

-

Demands for specific education

-

15.2. Chemical safety assessment

No

SECTION 16: Other information

Sources

EC regulation 1907/2006 (REACH)
Directive 2000/532/EC
EC Regulation 1272/2008 (CLP)

Full text of H/R-phrases as mentioned in section 3

R22 - Harmful if swallowed.
R36 - Irritating to eyes.
R41 - Risk of serious damage to eyes.
R36/38 - Irritating to eyes and skin.
H302 - Harmful if swallowed.
H315 - Causes skin irritation.
H318 - Causes serious eye damage.
H319 - Causes serious eye irritation.

The full text of identified uses as mentioned in section 1

-

Other symbols mentioned in section 2

-

Other

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
A change (in proportion to the last essential change (first cipher in SDS version)) is marked with a blue triangle.

The safety data sheet is validated by

JM

Date of last essential change (First cipher in SDS version)

-

Date of last minor change (Last cipher in SDS version)

-

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