

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : Geräte Entkalker intensiv - Konzentrat
Revision date : 14.09.2023
Print date : 14.09.2023

Version (Revision) : 2.0.0 (1.0.0)
Article number : 0368__205

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

1.1 Product identifier

Geräte Entkalker intensiv - Konzentrat (0368__205)
Unique Formula Identifier : 7D10-80TP-P00Y-E7EV

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

Relevant identified uses

Sectors of use [SU]

SU21 - Consumer uses: Private households (= general public = consumers)
SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Products Category [PC]

PC 35 - Washing and cleaning products

1.3 Details of the supplier of the safety data sheet

Supplier

Glutolin Renovierungsprodukte GmbH // WEPOS Chemie GmbH // decotric Schweiz AG

Street : Im Schedetal 1 // Textilstr. 2 // Lettenstr. 7/PF

Postal code/City : 34346 Hann. Münden // 41751 Viersen // CH-6343 Rotkreuz

Telephone : +49 (0)5541 7003-03 // +49 (0)2162 266269-0 // +41 (0) 7922525

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Information contact : sds@glutolin.de // service@wepos-chemie.de

Homepage: www.glutolin.de // www.wepos-chemie.de

1.4 Emergency telephone number

+49 (0)5541 7003-41/-64
Only available during office hours (Mo-Th 8 - 16 h, Fr 8 - 12.30 h).

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Skin irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.
Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2 ; Causes serious eye irritation.

2.2 Label elements

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

Hazard pictograms



Exclamation mark (GHS07)

Signal word

Warning

Hazard statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.

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Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P280	Wear protective gloves/eye protection.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P332+P313	If skin irritation occurs: Get medical advice/attention.
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.
P310	Immediately call a POISON CENTER/doctor.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national regulations of waste disposal.

2.3 Other hazards

This mixture does not knowingly contain SVHC substances >0.1% (<https://echa.europa.eu/de/candidate-list-table>).

Adverse human health effects and symptoms

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

Adverse environmental effects

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description

Mixture of the substances listed below with harmless additions.

Hazardous ingredients

CITRIC ACID ; REACH No. : 01-2119457026-42-0000 ; EC No. : 201-069-1; CAS No. : 5949-29-1

Weight fraction : $\geq 10 - < 15$ %

Classification 1272/2008 [CLP] : Eye Irrit. 2 ; H319 STOT SE 3 ; H335

L-(+)-LACTIC ACID ; REACH No. : 01-2119474164-39 ; EC No. : 201-196-2; CAS No. : 79-33-4

Weight fraction : $\geq 1 - < 3$ %

Classification 1272/2008 [CLP] : Skin Corr. 1C ; H314 Eye Dam. 1 ; H318

Additional information

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Follow the instructions for use on the label. When in doubt or if symptoms are observed, get medical advice. Change contaminated, saturated clothing.

Following inhalation

Provide fresh air. In case of respiratory tract irritation, consult a physician.

In case of skin contact

After contact with skin, wash immediately with plenty of water and soap.

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Version (Revision) : 2.0.0 (1.0.0)
Article number : 0368__205

After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

Following ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Call a physician in any case!

4.2 Most important symptoms and effects, both acute and delayed

There are no more informations available on the mixture itself.

4.3 Indication of any immediate medical attention and special treatment needed

There are no more informations available on the mixture itself.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

No special measures are necessary.

5.3 Advice for firefighters

Special protective equipment for firefighters

Do not inhale explosion and combustion gases. Use suitable breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

The usual precautionary measures for the handling of chemicals have to be observed.

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

For containment

Soak up inert absorbent and dispose as waste requiring special attention. Do not dry up the product.

6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Normal precautions taken when handling chemicals should be observed. Avoid contact with skin and eyes. Keep away from food, drink and animal feeding stuffs.

Measures to prevent fire

No special measures are necessary.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container. Keep container tightly closed.

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Version (Revision) : 2.0.0 (1.0.0)
Article number : 0368_205

Further information on storage conditions

Do not store outside. Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight. Please note safety instructions and directions for use on the drum.

Do not store at temperatures below : Avoid cooling to under 0°C.

7.3 Specific end use(s)

Recommendation

Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

None

8.2 Exposure controls

Personal protection equipment

Eye/face protection

Suitable eye protection

goggles

Skin protection

Hand protection

By long-term hand contact : Gloves(tested for example according to EN374) made of the following materials used by hand contact with the product:

Butyl rubber

Thickness of the gloves: > 0.5 mm

Breakthrough time: >= 8h, wearing period: max: 8h

or

Polychloroprene

Thickness of the gloves:> 0.5 mm

Breakthrough time: 4 - 8 hours, wearing period: max: 4h

After washing hands replace lost skin fat by fat containing skin creams.

Body protection

Wearing of closed working clothes. Remove contaminated, saturated clothing.

Respiratory protection

Suitable respiratory protection apparatus

Usually no personal respirative protection necessary.

General information

The usual precautionary measures for the handling of chemicals have to be observed. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

Environmental exposure controls

See also section 6 and 12.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : Liquid

Colour : colourless

Odour

characteristic

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Safety characteristics

Melting point/freezing point :	(1013 hPa)	approx.	0	°C	
Initial boiling point and boiling range :	(1013 hPa)	approx.	100	°C	
Flash point :			not applicable		Brookfield
Auto-ignition temperature :			not determined		
Lower explosion limit :			No data available		
Upper explosion limit :			No data available		
Explosion hazard :			not explosive		
Vapour pressure :	(50 °C)	approx.	123,5	hPa	
Density :	(20 °C)		1,01	g/cm ³	
Solvent separation test :	(20 °C)		not applicable		
Water solubility :	(20 °C)		soluble		
pH :		>	2,1		
Flow time :	(20 °C)		not determined		ISO cup 6 mm
Cinematic viscosity :	(40 °C)		not determined		
VOC-value :		<	1	g/l	

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

None, if handled according to order.

10.6 Hazardous decomposition products

None, if handled according to order.

SECTION 11: Toxicological information

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

Acute toxicity

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

Acute oral toxicity

Parameter :	LD50 (CITRIC ACID ; CAS No. : 5949-29-1)
Exposure route :	Oral
Species :	Rat
Effective dose :	11700 mg/kg
Parameter :	LD50 (CITRIC ACID ; CAS No. : 5949-29-1)
Exposure route :	Oral
Species :	Mouse
Effective dose :	5400 mg/kg
Parameter :	LD50 (L-(+)-LACTIC ACID ; CAS No. : 79-33-4)
Exposure route :	Oral
Species :	Rat
Effective dose :	3790 mg/kg

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

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Version (Revision) : 2.0.0 (1.0.0)
Article number : 0368__205

Parameter : LD50 (L-(+)-LACTIC ACID ; CAS No. : 79-33-4)
Exposure route : Oral
Species : Mouse
Effective dose : 4875 mg/kg

Acute dermal toxicity

Parameter : LD50 (CITRIC ACID ; CAS No. : 5949-29-1)
Exposure route : Dermal
Species : Rat
Effective dose : > 2000 mg/kg

Parameter : LD50 (L-(+)-LACTIC ACID ; CAS No. : 79-33-4)
Exposure route : Dermal
Species : Rabbit
Effective dose : > 2000 mg/kg

Acute inhalation toxicity

Parameter : LD50 (CITRIC ACID ; CAS No. : 5949-29-1)
Exposure route : Inhalation
Species : Rat
Effective dose : 5800 mg/kg

Specific effects (Longterm animal experiment)

No data available

Corrosion

Causes severe skin burns and eye damage.

Respiratory or skin sensitisation

No information available.

Repeated dose toxicity (subacute, subchronic, chronic)

No data available

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

No information available.

Germ cell mutagenicity

No information available.

Reproductive toxicity

No information available.

STOT-single exposure

No information available.

STOT-repeated exposure

No information available.

Aspiration hazard

No information available.

11.2 Information on other hazards

Endocrine disrupting properties

For possible endocrine disrupting effects in humans and possible symptoms, please refer to SECTION 2.3 of this safety data sheet.

Additional information

This product is unlikely to harm health, given normal and proper handling and hygienic precautions.

SECTION 12: Ecological information

12.1 Toxicity

No information available.

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Aquatic toxicity

No information available.

Acute (short-term) fish toxicity

Parameter : LC50 (CITRIC ACID ; CAS No. : 5949-29-1)

Species : Oncorhynchus mykiss (Rainbow trout)

Effective dose : 440 mg/l

Exposure time : 48 h

Parameter : LC50 (CITRIC ACID ; CAS No. : 5949-29-1)

Species : Scenedesmus quadricauda

Effective dose : 425 mg/l

Exposure time : 168 h

Parameter : EC50 (CITRIC ACID ; CAS No. : 5949-29-1)

Species : Daphnia

Effective dose : 1535 mg/l

Exposure time : 24 h

Parameter : LC50 (L-(+)-LACTIC ACID ; CAS No. : 79-33-4)

Species : Danio rerio (zebrafish)

Effective dose : 320 mg/l

Exposure time : 48 h

Parameter : EC50 (L-(+)-LACTIC ACID ; CAS No. : 79-33-4)

Species : Daphnia

Effective dose : 130 mg/l

Exposure time : 48 h

Sewage treatment plant

Technically correct releases of minimal concentrations to adapted biological sewage plants, will not disturb the biodegradability of activated sludge.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7 Other adverse effects

No information available.

12.8 Additional ecotoxicological information

Additional information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Directive 2008/98/EC (Waste Framework Directive)

Dispose according to legislation. Handle contaminated packages in the same way as the substance itself.

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After intended use

Waste codes/waste designations according to EWC/AVV

Waste code packaging :

15 01 02

Waste name packaging :

plastic packaging

SECTION 14: Transport information

14.1 UN number or ID number

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4 Packing group

No dangerous good in sense of these transport regulations.

14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

None

14.7 Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

EU legislation

Other regulations (EU)

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds

- out of scope

Labelling for contents according to regulation (EC) No. 648/2004

- This product is subject to the Detergents Regulation No. 648/2004.

- www.glutoclean.de, sds@glutolin.de

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

15.3 Additional information

None

SECTION 16: Other information

16.1 Indication of changes

None

16.2 Abbreviations and acronyms

REACH Registration, evaluation, authorisation of chemicals

CLP Classification, labelling and packaging

CAS Chemical Abstracts Service

EINECS European Inventory of Existing Chemical Substances

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ELINCS European List of Notified Chemical Substances.

ATE Acute toxicity estimates

LD50 Lethal dose, 50 percent

LC50 Lethal concentration, 50 percent

ECxx Effect concentration, xx percent

NOEC No Observed Effect Concentration

PBT Persistent, bioaccumulating and toxic

vPvB very persistent and very bioaccumulative

STOT Specific target organ toxicity

ADR European agreement concerning the international carriage of dangerous goods by road

IMDG International maritime dangerous goods code

IATA International air transport association

IMO International maritime organisation declaration

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

See SECTION 2.1 (classification).

16.5 Relevant H- and EUH-phrases (Number and full text)

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
