

Safety Data Sheet

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



Trade name : Alkaline/Leaching Agent - SC super-clean, powder
(Anlauger und Entfetter - SC super-clean)
Revision date : 24.03.2025
Print date : 24.03.2025

Version (Revision) : 5.2.0 (5.1.0)
Article number : 0050__000

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

1.1 Product identifier

Alkaline/Leaching Agent - SC super-clean, powder
(Anlauger und Entfetter - SC super-clean) (0050__000)
Unique Formula Identifier (UFI) : 4AGP-ND4H-JF0V-525A

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

PUFAS Werk KG

Street : Im Schedetal 1

Postal code/City : 34346 Hann. Münden

Telephone : +49 (0)5541 7003-01

Telefax : +49 (0)5541 7003-50

Information contact : sds@pufas.de

Homepage: www.pufas.com

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). +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.

STOT SE 3 ; H335 - STOT-single exposure : Category 3 ; May cause respiratory irritation.

2.2 Label elements

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

Hazard pictograms



Exclamation mark (GHS07)

Signal word

Warning

Hazard components for labelling

TRISODIUM PHOSPHATE ; CAS No. : 7601-54-9

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Hazard statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary statements

P102 Keep out of reach of children.
P260 Do not breathe dust.
P262 Do not get in eyes, on skin, or on clothing.
P280 Wear protective gloves/eye protection.
P302+P352 IF ON SKIN: Wash with plenty of water and soap.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P101 If medical advice is needed, have product container or label at hand.
P273 Avoid release to the environment.
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.

Increased pH-value when disposed of in water bodies or the sewage system.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description

Consist of: Trisodiumphosphate, sodium carbonate and additives

Hazardous ingredients

SODIUM CARBONATE ; REACH No. : 01-2119485498-19 ; EC No. : 207-838-8; CAS No. : 497-19-8

Weight fraction : $\geq 45 - < 50$ %

Classification 1272/2008 [CLP] : Eye Irrit. 2 ; H319

TRISODIUM PHOSPHATE ; REACH No. : 01-2119489800-32 ; EC No. : 231-509-8; CAS No. : 7601-54-9

Weight fraction : $\geq 45 - < 50$ %

Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319 STOT SE 3 ; H335

ISOTRIDECANOL, ETHOXYLATED (> 7 - 14 EO) ; REACH No. : 02-2119552461-55 ; CAS No. : 69011-36-5

Weight fraction : $\geq 1 - < 1,5$ %

Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Acute Tox. 4 ; H302

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.

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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.

After eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

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

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

None

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

Avoid dust formation. Provide adequate ventilation. 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

Take up mechanically. Protect against moisture and water.

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.

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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.

Hints on joint storage

Storage class (TRGS 510) : 13

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.

Industrial sector specific solutions

GISBAU - GISCODE / Produkt-Code: not applicable

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

TRISODIUM PHOSPHATE ; CAS No. : 7601-54-9

Limit value type (country of origin) : TRGS 900 (D)

Limit value : 6 mg/m³

Version : 01.10.2000

8.2 Exposure controls

Personal protection equipment

Eye/face protection

Suitable eye protection

goggles

Skin protection

Hand protection

By long-term hand contact : rubber gloves. PVC (polyvinyl chloride)

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.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : solid: crystalline

Colour : blue

Odour

odourless

Safety characteristics

Melting point/freezing point :	(1013 hPa)	No data available	
Initial boiling point and boiling range :	(1013 hPa)	No data available	
Flash point :		none	Brookfield
Lower explosion limit :		not applicable	
Upper explosion limit :		not applicable	
Vapour pressure :	(50 °C)	not determined	
Density :	(20 °C)	No data available	
Solvent separation test :	(20 °C)	none	
Water solubility :	(20 °C)	soluble	
pH value :	(20 °C / 10 Weight-%)	>	11
Flow time :	(23 °C)	not applicable	ISO cup 6 mm
Cinematic viscosity :	(40 °C)	not relevant	
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.

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Acute oral toxicity

Parameter : LD50 (SODIUM CARBONATE ; CAS No. : 497-19-8)
Exposure route : Oral
Species : Rat
Effective dose : 2800 mg/kg
Parameter : LD50 (ISOTRIDECANOL, ETHOXYLATED (> 7 - 14 EO) ; CAS No. : 69011-36-5)
Exposure route : Oral
Species : Rat
Effective dose : 300 - 2000 mg/kg
Parameter : ATE (ISOTRIDECANOL, ETHOXYLATED (> 7 - 14 EO) ; CAS No. : 69011-36-5)
Exposure route : Oral
Effective dose : 500 mg/kg

The calculated ATE_{mix} value for the mixture is, for this route of exposure, above the corresponding classification category (category 4).

Practical experience/human evidence

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

Acute dermal toxicity

Parameter : LD50 (SODIUM CARBONATE ; CAS No. : 497-19-8)
Exposure route : Dermal
Species : Rat
Effective dose : > 2000 mg/kg
Parameter : LD50 (SODIUM CARBONATE ; CAS No. : 497-19-8)
Exposure route : Dermal
Species : Rabbit
Effective dose : > 2000 mg/kg
Parameter : LD50 (ISOTRIDECANOL, ETHOXYLATED (> 7 - 14 EO) ; CAS No. : 69011-36-5)
Exposure route : Dermal
Species : Rabbit
Effective dose : > 2000 mg/kg

The calculated ATE_{mix} value for the mixture is, for this route of exposure, above the corresponding classification category (category 4).

Acute inhalation toxicity

Parameter : LC50 (SODIUM CARBONATE ; CAS No. : 497-19-8)
Exposure route : Inhalation
Species : Rat
Effective dose : 2,3 mg/l
Exposure time : 2 h
Parameter : LD50 (ISOTRIDECANOL, ETHOXYLATED (> 7 - 14 EO) ; CAS No. : 69011-36-5)
Exposure route : Inhalation
Result : No Data available.

The calculated ATE_{mix} value for the mixture is, for this route of exposure, above the corresponding classification category (category 4).

Corrosion

Skin corrosion/irritation

Parameter : Skin corrosion/irritation (SODIUM CARBONATE ; CAS No. : 497-19-8)
Result : mild skin irritation
Parameter : Skin corrosion/irritation (TRISODIUM PHOSPHATE ; CAS No. : 7601-54-9)
Result : irritation of the skin
Parameter : Skin corrosion/irritation (ISOTRIDECANOL, ETHOXYLATED (> 7 - 14 EO) ; CAS No. : 69011-36-5)
Species : Rabbit
Result : no skin irritation

Causes skin irritation.

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Serious eye damage/eye irritation

Parameter : Serious eye damage/eye irritation (SODIUM CARBONATE ; CAS No. : 497-19-8)
Result : irritates
Parameter : Serious eye damage/eye irritation (TRISODIUM PHOSPHATE ; CAS No. : 7601-54-9)
Result : irritates
Parameter : Serious eye damage/eye irritation (ISOTRIDEKANOL, ETHOXYLATED (> 7 - 14 EO) ; CAS No. : 69011-36-5)
Species : Rabbit
Result : Irreversible.

Causes serious eye irritation.

Irritation to respiratory tract

May cause respiratory irritation.

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

Parameter : Carcinogenicity (ISOTRIDEKANOL, ETHOXYLATED (> 7 - 14 EO) ; CAS No. : 69011-36-5)
Result : Negative.

No information available.

Germ cell mutagenicity

No information available.

Reproductive toxicity

No information available.

Adverse effects on developmental toxicity

Parameter : Two generation reproduction toxicity test (ISOTRIDEKANOL, ETHOXYLATED (> 7 - 14 EO) ; CAS No. : 69011-36-5)
Species : Rat
Effective dose : > 250 mg/kg

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.

SECTION 12: Ecological information

12.1 Toxicity

No information available.

Aquatic toxicity

No information available.

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Acute (short-term) toxicity to algae and cyanobacteria

Parameter :	EC50 (SODIUM CARBONATE ; CAS No. : 497-19-8)
Species :	Acute (short-term) toxicity to crustacea
Evaluation parameter :	water flea
Effective dose :	200 - 227 mg/l
Exposure time :	48 h
Parameter :	EC50 (SODIUM CARBONATE ; CAS No. : 497-19-8)
Species :	Acute (short-term) fish toxicity
Evaluation parameter :	Lepomis macrochirus
Effective dose :	> 300 mg/l
Exposure time :	96 h
Parameter :	EC50 (ISOTRIDECANOL, ETHOXYLATED (> 7 - 14 EO) ; CAS No. : 69011-36-5)
Species :	Cyprinus carpio (Common Carp)
Effective dose :	> 1 - 10 mg/l
Exposure time :	96 h
Parameter :	EC50 (ISOTRIDECANOL, ETHOXYLATED (> 7 - 14 EO) ; CAS No. : 69011-36-5)
Species :	Daphnia magna (Big water flea)
Effective dose :	> 1 - 10 mg/l
Exposure time :	48 h
Parameter :	EC50 (ISOTRIDECANOL, ETHOXYLATED (> 7 - 14 EO) ; CAS No. : 69011-36-5)
Species :	Desmodesmus subspicatus
Effective dose :	> 1 - 10 mg/l
Exposure time :	72 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

Adsorption

Parameter :	Mobility in soil (ISOTRIDECANOL, ETHOXYLATED (> 7 - 14 EO) ; CAS No. : 69011-36-5)
Inoculum :	Mobility in soil
Effective dose :	> 5000

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

Phosphate provokes the increase of algae and it may be possible the reducing of the water quality.

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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.

After intended use

Waste codes/waste designations according to EWC/AVV

Waste code product :

06 02 05

Waste name product :

other bases

Waste code packaging :

15 01 01

or

15 01 05

or

15 01 02

Waste name packaging :

paper and cardboard packaging

or

composite packaging

or

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

VOC-Directive (2004/42/CE) - Classification: - out of scope

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

- contain: > 30% Phosphates, < 5% non-ionic surfactants, < 2% EDTA and salts thereof

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National regulations

Water hazard class

Classification according to AwSV - Class : 1 (Slightly hazardous to water)

15.2 Chemical Safety Assessment

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

15.3 Additional information

None None

SECTION 16: Other information

16.1 Indication of changes

02. Label elements · 02. Precautionary statements · 03. Hazardous ingredients · 08. Occupational exposure limit values

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
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)

H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

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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.
