

Safety Data Sheet

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



Trade name : Saltpetre Remover SE
(Salpeter Entferner SE)
Article number : 0047__000
Revision date : 22.07.2020
Version (Revision) : 8.1.0 (8.0.0)
Print date : 22.07.2020

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

1.1 Product identifier

Saltpetre Remover SE
(Salpeter Entferner SE) (0047__000)

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

Relevant identified uses

Products Category [PC]

PC35 - PC 35 - Washing and cleaning products

Sectors of use [SU]

SU21 - Consumer uses: Private households (= general public = consumers)

SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

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 :

E-mail (competent person) : sds@pufas.de

Website : www.pufas.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]

Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious eye damage.

Skin Corr. 1C ; H314 - Skin corrosion/irritation : Category 1C ; Causes severe skin burns and eye damage.

Met. Corr. 1 ; H290 - Corrosive to metals : Category 1 ; May be corrosive to metals.

2.2 Label elements

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

Hazard pictograms



Corrosion (GHS05)

Signal word

Danger

Hazard components for labelling

PHOSPHORIC ACID ; CAS No. : 7664-38-2

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Hazard statements

H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.

Precautionary statements

P102 Keep out of reach of children.
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.
P337+P313 If eye irritation persists: Get medical advice/attention.
P101 If medical advice is needed, have product container or label at hand.
P234 Keep only in original packaging.
P501 Dispose of contents/container in accordance with local/regional/national regulations of waste disposal.

2.3 Other hazards

This mixture does not contain any substances classified as PBT/vPvB or included in the SVHC-Candidate List.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description

Consist of: Phosphoric acid, water, fatty poly glycol ether and additive

Hazardous ingredients

PHOSPHORIC ACID ; REACH No. : 01-2119485924-24 ; EC No. : 231-633-2; CAS No. : 7664-38-2

Weight fraction : $\geq 5 - < 10 \%$

Classification 1272/2008 [CLP] : Met. Corr. 1 ; H290 Skin Corr. 1B ; H314 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302

Additional information

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Notice the directions 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.

After eye contact

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

After 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.

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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.

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

Product identifier : GISBAU - Produkt-Code für Reinigungs- und Pflegemittel: GS50

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

PHOSPHORIC ACID ; CAS No. : 7664-38-2

Limit value type (country of origin) : STEL (EC)

Limit value : 2 mg/m³

Version : 08.06.2000

Limit value type (country of origin) : TWA (EC)

Limit value : 1 mg/m³

Version : 08.06.2000

8.2 Exposure controls

Personal protection equipment

Eye/face protection

Suitable eye protection

goggles

Skin protection

Hand protection

Chemical protective gloves according to DIN EN 374 with CE marking.

Check protective gloves prior to each use for damage (cracks, holes, cuts). Do not wear protective gloves longer than necessary.

After use of protective gloves, use skin cleansing and skin care products.

By long-term hand contact : siehe unten 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.

Suitable material : NBR (Nitrile rubber)

Breakthrough time (maximum wearing time) : 480 min

Thickness of the glove material : 0,4 mm

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

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Colour : colourless

Odour

odourless

Safety characteristics

Melting point/freezing point :	(1013 hPa)	approx.	0	°C	
Initial boiling point and boiling range :	(1013 hPa)	approx.	100	°C	
Flash point :			none		Brookfield
Auto-ignition temperature :			none		
Lower explosion limit :			not relevant		
Upper explosion limit :			not relevant		
Vapour pressure :	(50 °C)		not determined		
Density :	(20 °C)	approx.	1,04	g/cm ³	
Solvent separation test :	(20 °C)		not applicable		
Water solubility :	(20 °C)		soluble		
pH :		<	1,5		
Flow time :	(23 °C)	<	11	s	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

Reacts with lyes by development of heat and with various metals by development of hydrogen.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

None, if handled according to order.

10.6 Hazardous decomposition products

Corrosive gases / vapours.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity

Parameter :	ATEmix calculated
Exposure route :	Oral
Effective dose :	> 2000 mg/kg

Acute dermal toxicity

Parameter :	ATEmix calculated
Exposure route :	Dermal
Effective dose :	> 2000 mg/kg

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Acute inhalation toxicity

Parameter : ATEmix calculated
Exposure route : Inhalation
Effective dose : > 5 mg/l

Specific effects (Longterm animal experiment)

No data available

Corrosion

Causes severe skin burns and eye damage.

Skin corrosion/irritation

Parameter : Skin corrosion/irritation (PHOSPHORIC ACID ; CAS No. : 7664-38-2)
Parameter : rabbit
Result : Corrosive effect
Method : OECD 404

Serious eye damage/eye irritation

Parameter : Serious eye damage/eye irritation (PHOSPHORIC ACID ; CAS No. : 7664-38-2)
Parameter : rabbit
Result : Corrosive effect

Respiratory or skin sensitisation

No data available

Repeated dose toxicity (subacute, subchronic, chronic)

No data available

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

Parameter : Carcinogenicity (PHOSPHORIC ACID ; CAS No. : 7664-38-2)
Result : Negative.
No data available

Germ cell mutagenicity

No data available

Reproductive toxicity

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration hazard

No data available

11.5 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.

Aquatic toxicity

Acute (short-term) toxicity to aquatic algae and cyanobacteria

Parameter : EC50 (PHOSPHORIC ACID ; CAS No. : 7664-38-2)
Species : Algae
Effective dose : > 100 mg/l
Exposure time : 72 hour(s)

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Chronic (long-term) algae toxicity

Parameter : NOEC (PHOSPHORIC ACID ; CAS No. : 7664-38-2)
Effective dose : 100 mg/l
Exposure time : 72 hour(s)

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.

Adsorption

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

12.7 Additional ecotoxicological information

Additional information

Change of the pH-value, influence of aquatic creatures is possible. Phosphate provokes the increase of algae and it may be possible the reducing of the water quality.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal

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

Waste codes/waste designations according to EWC/AVV

Waste code product

06 01 04

Waste name

phosphoric and phosphorous acid

Waste code packaging

15 01 02

Waste name

plastic packaging

SECTION 14: Transport information

14.1 UN number

UN 3264

14.2 UN proper shipping name

Land transport (ADR/RID)

CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (PHOSPHORIC ACID)

Sea transport (IMDG)

CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (PHOSPHORIC ACID)

Air transport (ICAO-TI / IATA-DGR)

CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (PHOSPHORIC ACID)

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14.3 Transport hazard class(es)

Land transport (ADR/RID)

Class(es) : 8
Classification code : C1
Hazard identification number (Kemler No.) : 80
Tunnel restriction code : E
Special provisions : LQ 5 I · E 1
Hazard label(s) : 8

Sea transport (IMDG)

Class(es) : 8
EmS-No. : F-A / S-B
Special provisions : LQ 5 I · E 1 · IMDG-Code segregation group 1 - Acids
Hazard label(s) : 8

Air transport (ICAO-TI / IATA-DGR)

Class(es) : 8
Special provisions : E 1
Hazard label(s) : 8

14.4 Packing group

III

14.5 Environmental hazards

Land transport (ADR/RID) : No
Sea transport (IMDG) : No
Air transport (ICAO-TI / IATA-DGR) : No

14.6 Special precautions for user

None

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

not applicable

14.8 Additional information

The ADR-classification is not applying to our assembled packing (see ADR 3.4. LQ 5 I) => limited Quantity

SECTION 15: Regulatory information

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

EU legislation

Other regulations (EU)

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

- contain: 5 - 15% phosphates, < 5% non-ionic surfactants
- www.pufas.de, sds@pufas.de

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

- out of scope

15.2 Chemical safety assessment

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

15.3 Additional information

None

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SECTION 16: Other information

16.1 Indication of changes

03. Hazardous ingredients · 11. Information on toxicological effects · 12. Aquatic toxicity

16.2 Abbreviations and acronyms

None

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]

No information available.

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

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.

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.