

Safety Data Sheet
According to 1907/2006/EC, Article 31

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

1.1 Product identifier

Trade name: solaetch

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

No further relevant information available.

Application of the substance / the mixture Discharging agent

1.3 Details of the supplier of the safety data sheet

Manufacturer /supplier:

Trent Dent Products Ltd, 12 Woodford, 4 Thurstan St, Chelsea Creek, London SW6 2GB, United Kingdom

Tel: +44 20 3091 6068

www.trentdent.co.uk

e-mail: info@trentdent.co.uk

1.4 Emergency telephone number

Tel: +44 20 3091 6068 (office hours)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin Corr. 1B H314 Causes severe skin burns and eye damage

Eye Dam. 1 H318 Causes serious eye damage.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS05

Signal word Danger

Hazard-determining components of labelling:

Phosphoric acid

Hazard statements

H314 Causes severe skin burns and eye damage.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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- P310 Immediately call a POISON CENTER/doctor.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Labelling of packages where the contents do not exceed 125 ml

Hazard pictograms



GHS05

Signal word **Danger**

Hazard-determining components of labelling:

Phosphoric acid

Hazard statements **Void**

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable. vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description: phosphoric acid gel 37, 5 %

Dangerous components:			
CAS: 7664-38-2 EINECS: 231-633-2	Phosphoric acid	Skin Corr. 1B, H314	25- 50%

Additional information for the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information immediately remove any clothing soiled by the product.

After inhalation

Supply fresh air; consult doctor in case of complaints.

After skin contact

Immediately wash with water and soap and rinse thoroughly. Seek medical treatment.

After eye contact

Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing

Rinse out mouth and then drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

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SECTION 5: Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing agents

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents water with full jet.

5.2 Special hazards arising from the substance or mixture

Vapours of toxic phosphor oxides are developed during thermal decomposition.

5.3 Advice for fire-fighters

Protective equipment:

Acid-resisting clothing

Wear self-contained respiratory protective device.

Additional information

Collect contaminated firefighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid eye and skin contact with the substance.

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralizing agent.

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling No special measures required.

Keep receptacles tightly sealed.

Open and handle receptacle with care.

Information about fire - and explosion protection: The product is not flammable

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles:

Do not use light alloy receptacles.

Storage between 10 °C and 25 °C.

Information about storage in one common storage facility:

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Do not store together with alkalis (caustic solutions).

Store away from oxidising agents.

Further information about storage conditions:

Store in cool, dry conditions in well-sealed receptacles. Store receptacle in a well-ventilated area.

Protect from frost.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/Personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:	
7664-38-2 phosphoric acid	
WEL	Short-term value: 2 mg/m ³ Long-term value: 1 mg/m ³

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures: wash hands before breaks and at the end of work.

General protective and hygienic measures Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Do not eat, drink, smoke or sniff while working.

Respiratory protection: Not required.

Protection of hands: Acid resistant gloves

Material of gloves

PVC gloves

Nitrile rubber, NBR

Neoprene gloves

Penetration time of glove material

0, 1-0, 2 mm

Penetration time: 5 min.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Tightly sealed goggles.

Body protection: Acid resistant protective clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
General Information	
Appearance	
Form	Pasty
Colour	green-red
Odour	undistinguishable
Odour threshold	Not determined

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pH-value at 20°C	1.6
Change in condition	
Melting point/Melting range	undetermined
Boiling point/Boiling range	100°C
Flash point	Not applicable
Flammability (solid, gaseous)	Not applicable
Ignition temperature	
Self-igniting	Product is not self-igniting
Danger of explosion	Product does not present an explosion hazard

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

Heating occurs when water is added

Reacts with alkali (lyes)

Reacts with various metals

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: No dangerous decomposition products known

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

Primary irritant effect:

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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

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

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

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

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

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values.

A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation:

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.



European waste catalogue	
06 01 04	Phosphoric and phosphorous acid

Uncleaned packaging:

Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

SECTION 14: Transport information

14.1 UN-Number ADR, IMDG, IATA	UN1805
14.2 UN proper shipping name ADR IMDG, IATA	1805 PHOSPHORIC ACID, SOLUTION mixture PHOSPHORIC ACID, SOLUTION mixture
14.3 Transport hazard class(es) ADR  Class label	 8 (C1) Corrosive substances 8
IMDG, IATA  Class label	 8 Corrosive substances 8
14.4 Packing group ADR, IMDG, IATA	III
14.5 Environmental hazards Marine pollutant	No
14.6 Special precautions for user Danger code (Kemler): EMS Number Segregation groups Stowage Category	Warning Corrosive substances 80 F-A, S-B Acids A
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable