
SAFETY DATA SHEET

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

1.1 Product identifier

Product Name: **Tile and Liner Cleaner**
Datasheet Number: 048 1. 0. 0

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

Pool / spa treatment

1.3 Details of the supplier of the safety data sheet

Name of Supplier: Plastica Ltd
Address of Supplier: Perimeter House
Napier Road
St Leonards-on-Sea
East Sussex TN38 9NY
United Kingdom
Telephone: +44 (0) 1424 857857
Fax:
Responsible Person:
Email: info@plasticapools.com

1.4 Emergency telephone number

0800 043 0891 - Technical
0800 043 0892 - Emergency

2 Hazards identification

2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]
- Skin Corr. 1B, H314
- Classification (67/548/EEC, 1999/45/EC)
- C: R34
- Additional information: For full text of R-phrases and Hazard- and EU Hazard-statements: see section 16

2.2 Label elements



- Signal Word: Danger
- Symbols: GHS05

Hazard phrases

- Causes severe skin burns and eye damage.

Precautionary Phrases

- Wash thoroughly after handling.

2 Hazards identification (....)

- Wear protective gloves/protective clothing/eye protection/face protection.
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IF exposed or concerned: Get medical advice/attention.
- Store locked up.

2.3 Other hazards

- Not a PBT according to REACH Annex XIII
- Not a vPvB according to REACH Annex XIII

3 Composition/information on ingredients

3.1 Mixtures

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
orthophosphoric acid	10-30%	7664-38-2	231-633-2	H314, R34	GHS05 C
propan-2-ol	1-10%	67-63-0	200-661-7	H225, H319, H336 R11, R36, R67	GHS07, GHS02 F, Xi
alkyl dimethyl benzyl ammonium chloride <1%		68424-85-1	270-325-2	H302, H400 R22, R34, R50	GHS07, GHS09, GHS05 Xn, C, N

*See Section 16

4 First aid measures

4.1 Description of first aid measures

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Get medical advice/attention if you feel unwell.
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- Wash with plenty of soap and water.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Irrigate eyes thoroughly whilst lifting eyelids
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- Call a POISON CENTER or doctor/physician if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

- Causes burns.
- Can cause damage to the eyes
- Causes redness and irritation
- Can cause soreness and redness of the mouth and throat.
- May cause irritation of the throat
- May cause coughing

4.3 Indication of immediate medical attention and special treatment needed

- Treat symptomatically

5 Fire-fighting measures

5.1 Extinguishing media

- In case of fire: use water, foam or dry agent for extinction
- Use water to cool containers exposed to fire.

5.2 Special hazards arising from the substance or mixture

- Gives off irritating or toxic fumes (or gases) in a fire.

5.3 Advice for firefighters

- Special protective equipment:
Wear self-contained breathing apparatus (SCBA). Wear full protective clothing including chemical protection suit.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8
- Avoid breathing vapours, mist or gas
- Evacuate the area and keep personnel upwind

6.2 Environmental Precautions

- Do not allow to enter public sewers and watercourses
- Contain spillage by any means possible
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

6.3 Methods and material for containment and cleaning up

- Absorb spillage in dry sand
- Collect as much as possible in clean container for reuse or disposal
- Flush spill area with copious amounts of water

6.4 Reference to other sections

- See Section 7 & 8

7 Handling and storage

7.1 Precautions for safe handling

- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Avoid contact with skin and eyes.
- Wash thoroughly after handling.
- Ensure adequate ventilation

7.2 Conditions for safe storage, including any incompatibilities

- Store in a dry place. Store in a closed container.
- Store in a well-ventilated place. Keep cool.
- Keep in an area equipped with impermeable flooring.

7.3 Specific end use(s)

- No information available.

8 Exposure controls/personal protection

8.1 Control parameters

orthophosphoric acid

- WEL (short term) 2 mg/m³
- WEL (long term) 1 mg/m³

propan-2-ol

- WEL (short term) 1250 mg/m³
- WEL (long term) 999 mg/m³

8.2 Exposure controls

- Engineering controls should be provided to prevent the need for ventilation

Occupational exposure controls

- In case of inadequate ventilation wear respiratory protection.
- In case of intensive or longer exposure use self-contained respiratory protection device.
- Wear safety glasses approved to standard EN 166.
- When handling this substance, e.g. sampling, wear goggles giving complete eye protection
- Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
- Wear apron or other light protective clothing



Respirator



Goggles



Gloves



Suit

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Barely perceptible odour
- Appearance: Liquid
- pH 1.1
- Boiling point - not known
- Vapour pressure - not known
- Vapour density - not known
- Melting point - not applicable
- Miscible
- Fat solubility - not known
- Specific gravity 1.05-1.07 g/cm³
- Partition coefficient : n-Octanol/water - not known
- Evaporation rate - not known
- Viscosity - not known

9.2 Other information

- No information available

10 Stability and reactivity

10 .1 Reactivity

- Stable under normal conditions

10 .2 Chemical stability

- No decomposition if stored normally.

10 .3 Possibility of hazardous reactions

- Stable under normal conditions

10 .4 Conditions to avoid

- Avoid overheating

10 .5 Incompatible materials

- Incompatible with oxidizing substances
- Incompatible with acid

10 .6 Hazardous Decomposition Products

- Decomposition products may include toxic fumes

11 Toxicological information

11 .1 Information on toxicological effects

- LD50 (oral, rat) 1530 (orthophosphoric acid) mg/kg
- LD50 (oral, rat) 5045 (propan-2-ol) mg/kg
- LD50 (oral, mouse) 3600 (propan-2-ol) mg/kg
- LDLo (SCU, MUS) : 6 (propan-2-ol) mg/kg
- LD50 (IVN, rat) 1088 (propan-2-ol) mg/kg
- LD50 (oral, rat) 795 (alkyldimethylbenzylammoniumchloride) mg/kg

Inhalation

- May cause throat irritation
- May cause respiratory tract irritation.
- May cause coughing

Contact with skin

- Prolonged skin or eye contact may cause chemical burns

Contact with eyes

- Causes severe irritation
- Can cause damage to the eyes
- Causes burning sensation
- May cause redness and swelling

Ingestion

- Can cause soreness and redness of the mouth and throat.

Carcinogenicity

- No information available

11 Toxicological information (....)

Teratogenicity

- No information available

Mutagenicity

- No information available

12 Ecological information

12 .1 Toxicity

- No information available

12 .2 Persistence and degradability

- Biodegradable

12 .3 Bioaccumulation Potential

- No bioaccumulation potential

12 .4 Mobility in soil

- Absorbs on soil

12 .5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII
- Not a vPvB according to REACH Annex XIII

12 .6 Other Adverse Effects

- Presents little or no hazard to the environment

13 Disposal considerations

13 .1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Uncontaminated material may be returnable. Contact supplier
- Do not discharge into drains or the environment, dispose to an authorised waste collection point
- This material and/or its container must be disposed of as hazardous waste.

Classification

- UK Waste Codes: Refer to EWC.
- Waste Codes in accordance with the European Waste catalogue (EWC) are origin-defined. Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority.

14 Transport information



Corrosive

14.1 UN Number
1805

14.2 UN Proper Shipping Name
PHOSPHORIC ACID, SOLUTION

14.3 Transport hazard class(es)
8

14.4 Packing group
III

14.5 Environmental hazards

- Presents little or no hazard to the environment

14.6 Special precautions for user

- See Section 7

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not applicable

Other information

Road/Rail (ADR/RID)

Proper Shipping Name:	PHOSPHORIC ACID, SOLUTION		
ADR UN No.:	1805		
ADR Hazard Class:	8	ADR Packing Group:	III
Tunnel Code:	E		

Sea (IMDG)

Proper Shipping Name:	PHOSPHORIC ACID, SOLUTION		
IMDG UN No.:	1805		
IMDG Hazard Class.:	8	IMDG Pack Group.:	III

Air (ICAO/IATA)

Proper Shipping Name:	PHOSPHORIC ACID, SOLUTION		
ICAO Un No.:	1805		
ICAO Hazard Class.:	8	ICAO Packing Group.:	III

15 Regulatory information

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

- This Safety Data Sheet is provided in compliance with REACH Regulation (EC) No 1907/2006

15.2 Chemical Safety Assessment

No information available

16 Other information

Text of R and S phrase codes used in this safety data sheet:- H225: Highly flammable liquid and vapour.; H302: Harmful if swallowed.; H314: Causes severe skin burns and eye damage.; H319: Causes serious eye irritation.; H336: May cause drowsiness or dizziness.; H400: Very toxic to aquatic life.; R11: Highly Flammable; R22: Harmful if swallowed; R34: Causes burns; R36: Irritating to eyes; R50: Very toxic to aquatic organisms; R67: Vapours may cause drowsiness and dizziness.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of PLASTICA'S limited knowledge and belief, accurate, and reliable as of the date of authorisation of this safety data sheet. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to be satisfied as to the suitability and completeness of such information for the product as used.