

SAFETY DATA SHEET (MSDS)
according to Regulation (EC) No. 1907/2006 (REACH)

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

1.1 Product identifier:

Product Name:
Cement Stain Remover (CSR)

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

Use of substance / mixture: Acid Cleaner

1.3 Details of the supplier of the safety data sheet:

tuffbau Ltd
1 Northwick Road
Canvey Island
Essex
SS8 0PU

Telephone: +44 (0) 203 598 9800

Email: info@tuffbau.com

1.4 Emergency telephone number

Telephone: +44 (0) 7748 652 206

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

Xi: R36/38
Irritating to eyes and skin

2.2 Label elements

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

Hazard pictograms



Signal word
Danger

2.2 Label elements (Cont.)

Precautionary statements

P102	Keep out of reach of children.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338+P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

2.3 Other hazards

Severe eye, moderate skin and respiratory irritant. Corrosive to most metals liberating a flammable gas.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable as the product is a mixture, not a substance.

3.2 Mixtures

Description of the mixture

Common cement types according to the EN 197-1 standard.

Hazardous ingredients

Substance Name	CAS No.	EC No.	Classification according to Regulation (EC) No. 1272 [CLP]	Percent
Orthophosphoric Acid	7664-38-2	231-633-2	C: R34 Causes severe burns	10-30%
Nonionic Surfactant			Xn: R22 Harmful if swallowed Xi: R41 Risk of serious damage to eyes	1-10%

SECTION 4: First aid measures

4.1 Description of first aid measures

Following inhalation

Remove casualty from exposure ensuring one's own safety whilst doing so.

Following skin contact

Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Following eye contact

Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Following ingestion

Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Eyes: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Skin: There may be irritation and redness at the site of contact.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

4.3 Indication of any immediate medical attention and special treatment needed

Eye bathing equipment should be available on the premises. When contacting a medical practitioner, take this SDS with you.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2 Special hazards arising from the substance or mixture

In combustion emits toxic fumes.

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2 Environmental precautions

Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3 Methods and material for containment and cleaning up

Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4 Reference to other sections

Refer to section 8 for further relevant information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Advice on safe handling

Personal protective equipment should be worn to prevent contact of product with skin, prevent inhalation or ingestion and contact with eyes. Ensure there is sufficient ventilation of the area.

Aerosol generation preventions

Avoid the formation or spread of mists in the air.

Environmental precautions

Do not allow significant quantities of undiluted product to enter sewer and drainage systems or into bodies of water.

Advice on general occupational hygiene

Personal protective equipment should be worn to prevent contact of product with skin, prevent inhalation or ingestion and prevent contact with eyes. Ensure there is sufficient ventilation of the area.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool, well ventilated area. Keep container tightly closed. Must only be kept in original packaging.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Substance Name	CAS No.	EC No.	8 hour TWA	15 min. STEL
Phosphoric				2 mg/m ³
Orthophosphoric Acid	7664-38-2	231-633-2	1 mg/m ³	2 mg/m ³

8.2 Exposure controls

Appropriate engineering controls:

Ensure there is sufficient ventilation of the area.

Personal protective equipment:

Personal protective equipment should be worn to prevent contact of product with skin, prevent inhalation or ingestion and prevent contact with eyes. Ensure eye bath is to hand. Self-contained breathing apparatus must be available in case of emergency.



SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Colour	Colourless
Appearance	Liquid
Odour	Odourless
Solubility in water	Miscible
Also soluble in	Miscible with lower alcohols
Viscosity	Non-viscous
Boiling point/range	147 °C
Relative density	1.3
Flash point	n/a
pH	<=1

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended transport or storage conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to avoid:

Heat.

10.5 Incompatible materials:
Strong oxidising agents. Strong acids.

10.6 Hazardous decomposition products:
In combustion emits toxic fumes.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Effect	Route	Basis
Irritation	OPT DRM	Hazardous: calculated

SECTION 12: Ecological information

12.1 Toxicity:
Not applicable.

12.2 Persistence and degradability:
Biodegradable.

12.3 Bioaccumulative potential:
No bioaccumulation potential.

12.4 Mobility in soil:
Readily absorbed into soil.

12.5 Results of PBT and vPvB assessment:
This substance is not identified as a PBT substance.

12.6 Other adverse effects:
Negligible ecotoxicity.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal operations:

Transfer to a suitable container and arrange for collection by specialised disposal company.

Disposal of packaging:

Arrange for collection by specialised disposal company.

NB:

The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14: Transport information

The products are not covered by the international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID), therefore no classification is required.

SECTION 15: Regulatory information

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

15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

SECTION 16: Other information

16.1 Indication of changes

This document is revision v6 and replaces all prior versions.
Previous revision v5 dated 03 January 2018.

16.2 Training advice and further information

For assistance in appropriately specifying the products and training on handling, use and application of the products please visit www.tuffbau.com or call +44 (0) 203 598 9800 or email info@tuffbau.com

16.3 Legal disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.