

This Safety Data Sheet contains information to help users understand the potential hazards relating to this product and provides advice for risk management. This information must be shown to or made available to those who may come into contact with the material or are responsible for the material. This Safety Data Sheet is prepared in accordance with Directive 2001/58/EC and subsequent amendments.

## 1. IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

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Trade name	Tile Doctor Pro-Clean Tile & Grout Cleaner
Description	Alkaline cleaner for tile and grout restoration and difficult cleaning. Orange aqueous preparation
Supplier	Tile Doctor™ Dryades House, Sylvan Close, Oxted, Surrey, RH8 0DX United Kingdom
In case of emergency	☎ 0800 852 4 852, <a href="http://www.TileDoctor.co.uk">www.TileDoctor.co.uk</a>



## 2. COMPOSITION

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Components considered to be hazardous and above thresholds of concern as described in Directive 2001/59/EC are listed below.

EINECS	Name	Content	Classification, R Phrases
215-185-5	Sodium hydroxide	< 5%	C, R35
203-905-0	2-Butoxyethanol	< 5%	Xn, R20/21/22, 36/38

Water, dye, wetting and sequestering agents to 100%.

The classification descriptions given in this section relate to the components in their pure form and do not correspond to the classification of this preparation.

The full text of the R Phrases is described in Section 16.

The classification of this product is given in Section 15.

## 3. HAZARDS IDENTIFICATION

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The EU Classification of this alkaline cleaner is Corrosive based on the pH of the product and taking into account the content of sodium hydroxide.

C Corrosive      R34 Causes burns

The product is considered dangerous if in contact with skin, eyes or if ingested.

Contact with eyes may cause irreversible damage without rapid first aid. Inhalation of spray will cause irritation to the respiratory tract. Contact with skin or ingestion may cause burns.

There are no known long-term health effects resulting from exposure.

The product is not classified as Dangerous to the Environment, although due to the alkaline nature of the product and presence of wetting agents, care should be taken to avoid loss to the environment.

## 4. FIRST AID MEASURES

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### Inhalation

If exposed to spray, move to area of fresh air. If any signs of adverse effect, obtain medical advice. Treat for alkaline burns.

### Skin contact

Wash skin immediately with water and keep affected areas under flowing water.

Obtain medical advice if continued signs of irritation or discomfort are noted. Treat as for alkaline burns.

Wash clothing before re-use.

**Eye contact**

Flush eyes immediately with plenty of water for at least 5 minutes.  
Seek immediate medical advice. Treat as for alkaline exposure.

**Ingestion**

If swallowed, rinse mouth thoroughly and drink small quantity of water (500 ml).  
Obtain medical advice if signs of adverse effect or discomfort.

**Note to medical staff:** Treat as for sodium hydroxide solution. Rapid first aid is essential in case of contact.

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**5. FIREFIGHTING MEASURES**

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Not flammable

**Extinguishing media**

If in the vicinity of a fire, there are no known adverse reactions to any normal extinguishing media. .  
The material is not known to be reactive with any extinguishing media.

**Special exposure hazards (*from the material or its combustion products*)**

Normal combustion products are not considered to be specifically hazardous.

**Special precautions for fire fighters**

None

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**6. ACCIDENTAL RELEASE MEASURES**

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**Personal precautions**

Remove unnecessary personnel away from area of spill or contamination.  
During cleaning, protective clothing should be worn to avoid contact with skin and eyes.

**Environmental precautions**

Prevent spilled material or washings entering water courses or storm-water drainage systems. Diluted product and washings may be discharged into foul-water systems leading to waste water treatment plants.

**Methods for cleaning up**

Spills of up to 5 litres can be rinsed away to waste water drains with large quantities of water. If not possible, absorb onto sand, sawdust or other suitable material. Residues should be collected and disposed of as chemical waste in suitably labelled containers. If the spillage is greater than 5 litres, contain spill and call in trained personnel.

The area contaminated by the spill should be washed with water.

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**7. HANDLING AND STORAGE**

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**Handling**

Other than the use of goggles, alkaline resistant gloves and coveralls, no special handling precautions are required. See section 8 for more details.

**Storage**

Store in original containers between 0 – 30°C. No special precautions.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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UK Workplace Exposure Limit 2-butoxy ethanol 8 hr TWA 25 ppm

**Respiratory protection**

None required during normal handling. Use in well ventilated areas and avoid formation of spray or aerosols.

**Hand protection**

Suitable chemical resistant gloves recommended for use with alkaline materials and resistant to glycol ethers. Change gloves in accordance with manufacturer recommendations. If gloves are damaged during use, remove immediately and wash hands before replacing with new gloves.

**Eye protection**

Goggles must be worn when handling this product.

**Skin protection**

Coveralls recommended. These should be changed after use or if contaminated. Wash before re-use.

**Environmental exposure controls**

When handling small quantities (less than 5 litres), no special precautions required. If handling bulk material, precautions should be taken to avoid accidental release to water courses.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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<b>Appearance</b>	Clear orange liquid with smell of glycol
<b>Freezing point</b>	< 0°C
<b>Boiling point</b>	100°C
<b>Relative density</b>	1.03
<b>Water solubility</b>	Miscible in water, pH 13.5
<b>Flash point</b>	> 100°C
<b>Vapour pressure</b>	4000 Pa (30 mm Hg)

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**10. Stability and Reactivity**

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**Conditions to avoid**

The material is considered to be stable under normal conditions.

**Materials to avoid**

Avoid contact with acids and strong oxidising or reducing agents.

**Hazardous decomposition products**

None known

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**11. Toxicological Information**

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The preparation has not been tested but the effects can be estimated using the EU Preparation Directive 2001/59/EC

Acute oral toxic class Estimated > 2000 mg/kg based on components

Eyes May cause severe damage to eyes due to pH

Skin Considered corrosive to skin due to pH

Sensitiser None of the components are considered to be sensitisers

Inhalation Inhalation of spray or aerosol may cause irritation to respiratory tract

Long-term toxicity None of the components are listed as CMR\*

(\*Carcinogenic, mutagenic or reproductive toxin)

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**12. Ecological Information**

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The preparation has not been tested but the effects can be estimated using the EU Preparation Directive 2001/59/EC

There are no components present at concentrations that will cause the preparation to be classified as Dangerous to the Environment.

The organic components are considered to be biodegradable, meeting the criteria of the Detergents Regulation 648/2004

### 13. Disposal Considerations

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It is recommended to dispose of small quantities of this material (< 5 litres) by flushing with an excess of water to foul drainage. A dilution factor of 100 is recommended. Larger quantities of waste should be treated as hazardous chemical waste in a manner that complies with local regulations. Advice should be sought from local agencies.

The containers should be rinsed thoroughly with water and can be disposed of as non-hazardous waste.

### 14. Transport Information

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UN proper description and shipping name: Caustic Alkali Liquid nos. (Sodium Hydroxide < 4.5%)

Hazard class 8, Corrosive

Packing group II / III

UN Number 1719

### 15. Regulatory Information

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Classified C Corrosive for supply

R 34 Causes burns

S 1 / 2 Keep locked up and out of the reach of Children

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S37/39 Wear suitable gloves and eye / face protection

S45 In case of accident or if you feel unwell, seek medical advice immediately  
(show label where possible)

Complies with Detergents Regulation 648/2004/EC

### 16. Other Information

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Details of R phrases in Section 2

R34 Causes burns

R20/21/22 Harmful if inhaled, in contact with skin and if swallowed

R36/38 Irritating to skin and eyes

Check product instructions for use before using.