

Product Tile & Shower Buster  
 Revision date 1<sup>st</sup> April 2020  
 Revision 1



## Safety Data Sheet (SDS)

### Section 1: Identification of the substance/preparation and of the company/undertaking

#### 1.1 Product identifier

**Product name** Tile & Shower Buster  
**Synonyms, Trade names** No information available.

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

**Identified uses** Washing and cleaning products (including solvent based products). For trade and professional use only.  
**Uses advised against** No uses advised against are identified.

#### 1.3 Details of the supplier of the safety data sheet

**Supplier** Emerald Clover Ltd.  
 Drumduffy  
 Drumkeeran  
 Co. Leitrim  
 N41 T998  
 Ireland  
 Tel: 071 96 48008  
 info@emeraldclover.ie

**Contact person**

#### 1.4 Emergency telephone number

**Emergency telephone** Emergency medical information: 8am-10pm (seven days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9. Tel 01 8092566

### Section 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification (EC 1272/2008)**  
 Physical and chemical hazards Not classified  
 Human health Skin Corr. 1C - H314, Eye Dam. 1 - H318, Skin. Sens 1 B- H317  
 Environment Aquatic Chronic 3 - H412

#### 2.2 Label elements

**Contains** phosphoric acid ... %, orthophosphoric acid ... %  
 Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.  
 PERFUME

**Label in accordance with (EC) no. 1272/2008**



**Signal word** Danger

**Hazard statements** H314 Causes severe skin burns and eye damage.  
 H317 May cause an allergic skin reaction.  
 H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements** **Prevention**  
 P261 Avoid breathing dust/fume/ gas/mist/vapours/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/ protective clothing/eye protection/face protection.

**Response**

P310 Immediately call a POISON CENTER or doctor/physician.  
 P363 Wash contaminated clothing before reuse.

**2.3 Other hazards**

None known.

**Section 3: Composition/identification of ingredients****3.1 Substance**

Not applicable.

**3.2 Mixtures**

Name	Product identifier	Reg. EU 1272/2008	%
phosphoric acid ... %, orthophosphoric acid ... %	CAS-No.: 7664-38-2 EC No.: 231-633-2	Skin Corr. 1B - H314	1-10%
Benzenesulfonic acid, 4-C10-13--ec-alkyl derivs.	CAS-No.: 85536-14-7 EC No.: 287-494-3	Acute Tox 4 - H302, Skin Corr. 1C - H314, Eye Dam. 1 - H318, Aquatic Chronic 3 - H412	1-10%
PERFUME	CAS-No.: EC No.:	Aquatic Acute 1 - H400, Eye Irrit.2A - H319, Skin. Sens 1 B- H317, Flam. Liq 3- H226, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	0-1%

The full text for all hazard statements are displayed in section 16.

**Composition comments**

The data shown are in accordance with the latest EC Directives.

**Section 4: First aid measures****4.1 Description of first aid measures****General information**

General first aid, rest, warmth and fresh air.

**Inhalation**

If the exposed person is not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion**

Rinse mouth thoroughly. DO NOT induce vomiting. Get medical attention immediately.

**Skin contact**

Remove contaminated clothing immediately and wash skin with soap and water. Seek medical attention if irritation persists. Continue to rinse for at least 15 minutes. Wash skin thoroughly with soap and water.

**Eye contact**

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. If irritation persists, seek medical attention immediately.

**4.2 Most important symptoms and effects, both acute and delayed****General information**

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

**Inhalation**

May cause respiratory tract irritation.

**Ingestion**

May cause discomfort if swallowed.

**Skin contact**

May cause an allergic skin reaction. Causes severe skin burns.

**Eye contact**

Causes severe eye damage.

**4.3 Indication of any immediate medical attention and special treatment needed****Notes to the physician**

Treat symptomatically.

**Section 5: Fire-fighting measures****5.1 Extinguishing media****Extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool containers

**Unsuitable extinguishing media**

None noted.

**5.2 Special hazards arising from the substance or mixture**

<b>Hazardous combustion products</b>	When heated, toxic and corrosive vapours/gases may be formed
<b>Unusual fire &amp; explosion hazards</b>	No unusual fire or explosion hazards noted.
<b>Specific hazards</b>	None noted.

**5.3 Advice for firefighters**

<b>Special fire fighting procedures</b>	Avoid breathing fire vapours. Keep up-wind to avoid fumes. Fight advanced or massive fires from safe distance or protected location.
<b>Protective equipment for firefighters</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

**Section 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

<b>Personal precautions</b>	Eliminate all sources of ignition. Ensure adequate ventilation. Avoid inhalation of vapours and contact with skin and eyes. Read and follow manufacturer's recommendations.
<b>For emergency responders</b>	Follow safe handling advice and personal protective equipment recommendations for normal use of product. Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

**6.2 Environmental precautions**

<b>Environmental precautions</b>	Do not discharge into drains, water courses or onto the ground.
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**6.3 Methods and material for containment and cleaning up**

<b>Spill clean up methods</b>	Wash thoroughly after dealing with a spillage. Ventilate and evacuate the area. Keep in suitable, closed containers for disposal.
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**6.4 Reference to other sections**

<b>Reference to other sections</b>	See section 1 for emergency contact. For personal protection, see section 8. For waste disposal, see section 13.
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**Section 7: Handling and storage****7.1 Precautions for safe handling**

<b>Handling</b>	Provide good ventilation. Avoid prolonged or repeated contact. Wash thoroughly after handling. Eliminate all sources of ignition. Use proper personal protection when handling (refer to Section 8).
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**7.2 Conditions for safe storage, including any incompatibilities**

<b>Storage precautions</b>	Store in tightly closed original container in a dry, cool and well-ventilated place.
<b>Storage class</b>	Chemical storage.

**7.3 Specific end use(s)**

<b>Specific end use(s)</b>	The identified uses are in section 1 of this Safety Data Sheet.
<b>Usage description</b>	Use only according to directions.

**Section 8: Exposure controls/Personal protection****8.1 Control parameters**

Component	STD	TWA (8 Hrs)		STEL (15mins)		Notes
phosphoric acid ... %, orthophosphoric acid ... %	OEL		1 mg/m <sup>3</sup>		2 mg/m <sup>3</sup>	

**Ingredient comments** Ireland, Occupational Exposure Limits 2016.

## 8.2 Exposure Controls

### Protective equipment

### Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

### Respiratory equipment

Use respiratory equipment with gas filter, type E Self-contained breathing apparatus with full facepiece.

### Hand protection

Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374) is recommended. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Change gloves regularly.

### Eye protection

Wear safety goggles or face shield to prevent any possibility of eye contact. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).

### Other protection

Wear suitable protective clothing as protection against splashing or contamination.

### Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet.

### Process conditions

Ensure that eye flushing systems and safety showers are located close by in the work place.

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## Section 9: Physical and chemical properties

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### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Colour</b>	Blue.
<b>Odour</b>	Pleasant odour.
<b>Odour threshold - lower</b>	No information available.
<b>Odour threshold - upper</b>	No information available.
<b>pH-Value, Conc. Solution</b>	1.5 - 2.5
<b>pH-Value, Diluted solution</b>	No information available.
<b>Melting point</b>	No information available.
<b>Initial boiling point and boiling range</b>	No information available.
<b>Flash point</b>	No information available.
<b>Evaporation rate</b>	No information available.
<b>Flammability state</b>	No information available.
<b>Flammability limit - lower(%)</b>	No information available.
<b>Flammability limit - upper(%)</b>	No information available.
<b>Vapour pressure</b>	No information available.
<b>Vapour density (air=1)</b>	No information available.
<b>Relative density</b>	1.09 kg/l
<b>Bulk density</b>	No information available.
<b>Solubility</b>	No information available.
<b>Decomposition temperature</b>	No information available.
<b>Partition coefficient; n-Octanol/Water</b>	No information available.
<b>Auto ignition temperature (°C)</b>	No information available.

Viscosity	No information available.
Explosive properties	Not classified as explosive.
Oxidising properties	No information available.

**9.2 Other information**

Molecular weight	No information available.
Volatile organic compound	No information available.
Other information	None noted.

**Section 10: Stability and reactivity****10.1 Reactivity**

Reactivity	Stable under recommended transport and storage conditions and under recommended use.
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**10.2 Chemical stability**

Stability	Stable under normal temperature conditions and recommended use.
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**10.3 Possibility of hazardous reactions**

Hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Hazardous polymerisation	None under normal processing.
Polymerisation description	No applicable.

**10.4 Conditions to Avoid**

Conditions to avoid	Heat.
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**10.5 Incompatible materials**

Materials to avoid	Avoid strong oxidising agents. Bases.
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**10.6 Hazardous decomposition products**

Hazardous decomposition products	When heated, vapours/gases hazardous to health may be formed.
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**Section 11: Toxicological information****11.1 Information on toxicological effects**

Toxicological information	No toxicological information for the overall finished product.
Acute toxicity (Oral LD50)	No information available.
Acute toxicity (Dermal LD50)	No information available.
Acute toxicity (Inhalation LD50)	No information available.
Serious eye damage/irritation	Causes severe skin burns and eye damage.
Skin corrosion/irritation	No information available.
Respiratory sensitisation	No information available.
Skin sensitisation	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Specific target organ toxicity - Single exposure:	
STOT - Single exposure	No information available.
Specific target organ toxicity - Repeated exposure:	
STOT - Repeated exposure	No information available.

<b>Inhalation</b>	May cause respiratory tract irritation.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	May cause an allergic skin reaction. Causes severe skin burns.
<b>Eye contact</b>	Causes severe eye damage.
<b>Waste management</b>	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
<b>Routes of entry</b>	No information available.
<b>Target organs</b>	Eyes and skin.
<b>Aspiration hazards:</b>	No information available.
<b>Reproductive toxicity:</b>	No information available.

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## Section 12: Ecological information

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### 12.1 Toxicity

<b>Acute toxicity - Fish</b>	No information available.
<b>Acute toxicity - Aquatic invertebrates</b>	No information available.
<b>Acute toxicity - Aquatic plants</b>	No information available.
<b>Acute toxicity - Microorganisms</b>	No information available.
<b>Chronic toxicity - Fish</b>	No information available.
<b>Chronic toxicity - Aquatic invertebrates</b>	No information available.
<b>Chronic toxicity - Aquatic plants</b>	No information available.
<b>Chronic toxicity - Microorganisms</b>	No information available.
<b>Ecotoxicity</b>	No Ecological information on the finished product.
<b>Eco toxicological information</b>	No information.

### 12.2 Persistence and degradability

<b>Degradability</b>	Biodegradable.
<b>Biological oxygen demand</b>	No information available.
<b>Chemical oxygen demand</b>	No information available.

### 12.3 Bioaccumulative potential

<b>Bioaccumulative potential</b>	No data available on bioaccumulation.
<b>Bioaccumulation factor</b>	No information available.
<b>Partition coefficient; n-Octanol/Water</b>	No information available.

### 12.4 Mobility in soil

<b>Mobility</b>	Readily absorbed into soil.
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### 12.5 Results of PBT and vPvB assessment

<b>Results of PBT and vPvB assessment</b>	The product does not contain any PBT or vPvB Substances.
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### 12.6 Other adverse effects

<b>Other adverse effects</b>	Negligible ecotoxicity.
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## Section 13: Disposal considerations

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<b>Waste management</b>	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
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### 13.1 Waste treatment methods

<b>Disposal methods</b>	Dispose of waste and residues in accordance with local authority requirements, and in accordance with all local, national and international regulations.
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**Section 14: Transport information****14.1 UN number**

UN no. (ADR)	Not applicable.
UN no. (IMDG)	Not applicable.
UN no. (IATA)	Not applicable.

**14.2 UN proper shipping name**

ADR proper shipping name	Not applicable.
IMDG proper shipping name	Not applicable.
IATA shipping name	Not applicable.

**14.3 Transport hazard class(es)**

ADR class	Not applicable.
IMDG class	Not applicable.
IATA class	Not applicable.

Transport labels	Not applicable
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**14.4 Packing group**

ADR/RID/ADN packing group	Not applicable.
IMDG packing group	Not applicable.
IATA packing group	Not applicable.

**14.5 Environmental hazards**

ADR	No
IMDG	No
IATA	No

**14.6 Special precautions for user**

EMS	Not applicable.
Emergency action code	Not applicable.
Hazard no. (ADR)	Not applicable.
Tunnel restriction code	Not applicable.

**14.7 Transport in bulk according to annex II of MARPOL73/78 and the IBC code****Section 15: Regulatory information****15.1 Safety, health and environmental regulations/Legislation specific for the substance or mixture**

EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 453/2010 of 20th May 2010 amending regulation (EC) No 1907/2006.
Approved code of practice	2016 Code of Practice for the Chemical Agents Regulations in accordance with section 60 of the Safety, Health and Welfare at Work Act 2005 (No. 10 of 2005).
Chemical safety assessment	No chemical safety assessment has been carried out.

**Section 16: Other information**

General information	This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010.
Revision comments	This is a first issue.
Revision date	1 <sup>st</sup> April 2020
Revision	1
Safety data sheet status	Approved.

**Hazard statements in full**

H314	Causes severe skin burns and eye damage.
H302	Harmful if swallowed.

<b>H318</b>	Causes serious eye damage.
<b>H412</b>	Harmful to aquatic life with long lasting effects.
<b>H226</b>	Flammable liquid and vapour.
<b>H317</b>	May cause an allergic skin reaction.
<b>H319</b>	Causes serious eye irritation.
<b>H400</b>	Very toxic to aquatic life.
<b>H410</b>	Very toxic to aquatic life with long lasting effects.

**Disclaimer**

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 the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.