



## SAFETY DATA SHEET 2.25L PATIO & STONE CLEANER

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

#### 1.1. Product identifier

Product name 2.25L PATIO & STONE CLEANER

Product number SVTN225PSTN

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

Identified uses Cleaning agent.

Uses advised against Use only for intended applications.

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

Supplier James Briggs Ltd  
Salmon Fields  
Royton  
Oldham  
Lancashire  
OL2 6HZ  
0161 627 0101  
sds@jamesbriggs.co.uk

#### 1.4. Emergency telephone number

Emergency telephone +44 (0)161 627 0101

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Eye Irrit. 2 - H319

Environmental hazards Not Classified

#### 2.2. Label elements

##### Hazard pictograms



Signal word Warning

Hazard statements EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.  
H319 Causes serious eye irritation.

## 2.25L PATIO & STONE CLEANER

<b>Precautionary statements</b>	P102 Keep out of reach of children.
	P280 Wear protective gloves.
	P280 Wear eye protection.
	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P337+P313 If eye irritation persists: Get medical advice/ attention.
	P302+P352 IF ON SKIN: Wash with plenty of water.
P501 Dispose of contents/ container in accordance with local regulations.	

### 2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>Alcohols, C9-11 ethoxylated</b>			<b>1-5%</b>
CAS number: 68439-46-3	EC number: 614-482-0		
<b>Classification</b>			
Eye Dam. 1 - H318			
<b>1,2-benzisothiazol-3(2H)-one</b>			<b>&lt;1%</b>
CAS number: 2634-33-5	EC number: 220-120-9		
M factor (Acute) = 1			
<b>Classification</b>			
Acute Tox. 4 - H302			
Skin Irrit. 2 - H315			
Eye Dam. 1 - H318			
Skin Sens. 1 - H317			
Aquatic Acute 1 - H400			
<b>Sodium hydroxide</b>			<b>&lt;1%</b>
CAS number: 1310-73-2	EC number: 215-185-5	REACH registration number: 01-2119457892-27-XXXX	
<b>Classification</b>			
Skin Corr. 1A - H314			
Eye Dam. 1 - H318			
<b>Diethyl phthalate</b>			<b>&lt;1%</b>
CAS number: 84-66-2	EC number: 201-550-6		
<b>Classification</b>			
Not Classified			

## 2.25L PATIO & STONE CLEANER

<b>Toluene</b>	<b>&lt;1%</b>
CAS number: 108-88-3	EC number: 203-625-9
<b>Classification</b> Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Repr. 2 - H361d STOT SE 3 - H336 STOT RE 2 - H373 Asp. Tox. 1 - H304 Aquatic Chronic 3 - H412	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Show this Safety Data Sheet to the medical personnel. Effects may be delayed. Rinse immediately with plenty of water. While rinsing, remove clothing not adhering to the affected area. Get medical attention if any discomfort continues.
<b>Inhalation</b>	Unlikely route of exposure as the product does not contain volatile substances. Rinse nose and mouth with water. If spray/mist has been inhaled, proceed as follows. Get medical attention if any discomfort continues. If in doubt, get medical attention promptly.
<b>Ingestion</b>	Get medical attention. Show this Safety Data Sheet to the medical personnel. Rinse mouth thoroughly with water. Do not induce vomiting unless under the direction of medical personnel.
<b>Skin contact</b>	Wash with plenty of water. Get medical attention if symptoms are severe or persist after washing. If in doubt, get medical attention promptly. Take off contaminated clothing and wash it before reuse. Show this Safety Data Sheet to the medical personnel. Effects may be delayed.
<b>Eye contact</b>	Rinse with water. Continue to rinse for at least 10 minutes. Remove any contact lenses and open eyelids wide apart. Get medical attention if irritation persists after washing. If in doubt, get medical attention promptly. May cause permanent damage if eye is not immediately irrigated. Show this Safety Data Sheet to the medical personnel.

#### 4.2. Most important symptoms and effects, both acute and delayed

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	May cause respiratory system irritation. A single exposure may cause the following adverse effects: Temporary irritation. Coughing. Irritation of nose, throat and airway.
<b>Ingestion</b>	A single exposure may cause the following adverse effects: Coughing. Dryness of mouth and throat. Gastrointestinal symptoms, including upset stomach. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.
<b>Skin contact</b>	A single exposure may cause the following adverse effects: Dryness and/or cracking. Skin irritation.
<b>Eye contact</b>	A single exposure may cause the following adverse effects: Irritation of eyes and mucous membranes. Irritation and redness, followed by blurred vision. Itchiness. Profuse watering of the eyes.

## 2.25L PATIO & STONE CLEANER

### 4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor                      Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media      The product is not flammable.

#### 5.2. Special hazards arising from the substance or mixture

Specific hazards                      Not applicable.

Hazardous combustion products      Thermal decomposition or combustion products may include the following substances:  
Harmful gases or vapours.

#### 5.3. Advice for firefighters

Protective actions during firefighting      No specific firefighting precautions known. Avoid breathing fire gases or vapours.

Special protective equipment for firefighters      Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions                      Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk.

#### 6.2. Environmental precautions

Environmental precautions              Avoid discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material. The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up                      Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Small Spillages: Collect spillage. Large Spillages: Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.

#### 6.4. Reference to other sections

Reference to other sections              For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Usage precautions                      Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Keep container tightly sealed when not in use. Good personal hygiene procedures should be implemented. Keep containers upright. No specific requirements are anticipated under normal conditions of use. Wash hands thoroughly after handling.

## 2.25L PATIO & STONE CLEANER

**Advice on general occupational hygiene** Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse. Good personal hygiene procedures should be implemented.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store away from incompatible materials (see Section 10). Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.

**Storage class** Unspecified storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### **Sodium hydroxide**

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

##### **Diethyl phthalate**

Long-term exposure limit (8-hour TWA): WEL 5 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 10 mg/m<sup>3</sup>

##### **Toluene**

Long-term exposure limit (8-hour TWA): WEL 50 ppm 191 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 100 ppm 384 mg/m<sup>3</sup>

Sk

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

#### Sodium hydroxide (CAS: 1310-73-2)

**DNEL** Workers - Inhalation; Long term local effects: 1 mg/m<sup>3</sup>  
General population - Inhalation; Long term local effects: 1 mg/m<sup>3</sup>

#### Citral (CAS: 5392-40-5)

**DNEL** Workers - Inhalation; Long term systemic effects: 9 mg/m<sup>3</sup>  
Workers - Dermal; Long term systemic effects: 1.7 mg/kg/day  
General population - Inhalation; Long term systemic effects: 2.7 mg/m<sup>3</sup>  
General population - Dermal; Long term systemic effects: 1 mg/kg/day  
General population - Oral; Long term systemic effects: 0.6 mg/kg/day

**PNEC** - Fresh water; 0.007 mg/l  
- marine water; 0.001 mg/l  
- STP; 1.6 mg/l  
- Sediment (Freshwater); 0.125 mg/kg  
- Sediment (Marinewater); 0.013 mg/kg

#### 2,6-dimethyloct-7-en-2-ol (CAS: 18479-58-8)

## 2.25L PATIO & STONE CLEANER

**DNEL**

Workers - Inhalation; Long term systemic effects: 73.5 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 20.8 mg/kg/day  
 General population - Inhalation; Long term systemic effects: 21.7 mg/m<sup>3</sup>  
 General population - Dermal; Long term systemic effects: 12.5 mg/kg/day  
 General population - Oral; Long term systemic effects: 12.5 mg/kg/day

**PNEC**

- Fresh water; 0.0278 mg/l
- Fresh water, Intermittent release; 0.278 mg/l
- marine water; 0.00278 mg/l
- STP; 10 mg/l
- Sediment (Freshwater); 0.594 mg/kg
- Sediment (Marinewater); 0.059 mg/kg
- Soil; 0.103 mg/kg
- Oral; 111 mg/kg

### Linalyl acetate (CAS: 115-95-7)

**DNEL**

Workers - Inhalation; Long term systemic effects: 2.75 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 2.5 mg/kg/day  
 Workers - Dermal; Long term local effects: 8 mg/cm<sup>2</sup>  
 Workers - Dermal; Short term local effects: 8 mg/cm<sup>2</sup>  
 General population - Inhalation; Long term systemic effects: 0.68 mg/m<sup>3</sup>  
 General population - Dermal; Long term systemic effects: 1.25 mg/kg/day  
 General population - Dermal; Long term local effects: 8 mg/cm<sup>2</sup>  
 General population - Dermal; Short term local effects: 8 mg/cm<sup>2</sup>  
 General population - Oral; Long term systemic effects: 0.2 mg/kg/day

**PNEC**

- Fresh water; 0.011 mg/l
- Intermittent release, Fresh water; 0.11 mg/l
- marine water; 0.001 mg/l
- STP; 10 mg/l
- Sediment (Freshwater); 0.609 mg/kg
- Sediment (Marinewater); 0.061 mg/kg
- Soil; 0.115 mg/kg

### Terpineol (CAS: 8000-41-7)

**DNEL**

Workers - Inhalation; Long term systemic effects: 44.8 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 6.35 mg/kg/day  
 General population - Inhalation; Long term systemic effects: 7.96 mg/m<sup>3</sup>  
 General population - Dermal; Long term systemic effects: 2.29 mg/kg/day  
 General population - Oral; Long term systemic effects: 0.42 mg/kg/day

**PNEC**

- Fresh water; 0.012 mg/l
- Intermittent release, Fresh water; 0.12 mg/l
- marine water; 0.0012 mg/l
- STP; 2.57 mg/l
- Sediment (Freshwater); 0.263 mg/kg
- Sediment (Marinewater); 0.026 mg/kg
- Soil; 0.045 mg/kg
- Oral; 16.6 mg/kg

### (R)-p-mentha-1,8-diene (CAS: 5989-27-5)

## 2.25L PATIO & STONE CLEANER

**DNEL** Workers - Inhalation; Long term systemic effects: 66.7 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 9.5 mg/kg/day  
 General population - Inhalation; Long term systemic effects: 16.6 mg/m<sup>3</sup>  
 General population - Dermal; Long term systemic effects: 4.8 mg/kg/day  
 General population - Oral; Long term systemic effects: 4.8 mg/kg/day

**PNEC** - Fresh water; 14 µg/l  
 - marine water; 1.4 µg/l  
 - STP; 1.8 mg/l  
 - Sediment (Freshwater); 3.85 mg/kg  
 - Sediment (Marinewater); 0.385 mg/kg

### Geranyl acetate (CAS: 105-87-3)

**DNEL** Workers - Inhalation; Long term systemic effects: 62.59 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 35.5 mg/kg/day  
 General population - Inhalation; Long term systemic effects: 15.4 mg/m<sup>3</sup>  
 General population - Dermal; Long term systemic effects: 17.75 mg/kg/day  
 General population - Oral; Long term systemic effects: 8.9 mg/kg/day

**PNEC** - Fresh water; 3.72 µg/l  
 - marine water; 0.372 µg/l  
 - STP; 8 mg/l  
 - Sediment (Freshwater); 0.442 mg/kg  
 - Sediment (Marinewater); 0.044 mg/kg  
 - Soil; 0.086 mg/kg

### Cineole (CAS: 470-82-6)

**DNEL** Workers - Inhalation; Long term systemic effects: 7.05 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 2 mg/kg/day  
 General population - Inhalation; Long term systemic effects: 1.74 mg/m<sup>3</sup>  
 General population - Dermal; Long term systemic effects: 1 mg/kg/day  
 General population - Oral; Long term systemic effects: 600 mg/kg/day

### Geraniol (CAS: 106-24-1)

**DNEL** Workers - Inhalation; Long term systemic effects: 161.6 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 12.5 mg/kg/day  
 Workers - Dermal; Long term local effects: 11.8 mg/cm<sup>2</sup>  
 General population - Inhalation; Long term systemic effects: 47.8 mg/m<sup>3</sup>  
 General population - Dermal; Long term systemic effects: 7.5 mg/kg/day  
 General population - Dermal; Long term local effects: 11.8 mg/cm<sup>2</sup>  
 General population - Oral; Long term systemic effects: 13.75 mg/kg/day

**PNEC** - Fresh water; 0.011 mg/l  
 - marine water; 0.001 mg/l  
 - Intermittent release; 0.108 mg/l  
 - STP; 0.7 mg/l  
 - Sediment (Freshwater); 0.115 mg/kg  
 - Sediment (Marinewater); 0.011 mg/kg  
 - Soil; 0.017 mg/kg

## 8.2. Exposure controls

## 2.25L PATIO & STONE CLEANER

### Protective equipment



### Appropriate engineering controls

Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

### Eye/face protection

Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with European Standard EN166.

### Hand protection

The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374. Frequent changes are recommended.

### Other skin and body protection

Wear appropriate clothing to prevent skin contamination. Provide eyewash station.

### Hygiene measures

Good personal hygiene procedures should be implemented. Wash after use and before eating, smoking and using the toilet. Take off contaminated clothing and wash it before reuse.

### Respiratory protection

No specific requirements are anticipated under normal conditions of use.

### Environmental exposure controls

Keep container tightly sealed when not in use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Melting point	Not applicable.
Flash point	Not applicable.

### 9.2. Other information

Volatility	Not applicable.
Volatile organic compound	Not applicable.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	See the other subsections of this section for further details.
------------	--

### 10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
-----------	---

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	The following materials may react strongly with the product: Oxidising agents.
------------------------------------	--

### 10.4. Conditions to avoid

Conditions to avoid	No specific requirements are anticipated under normal conditions of use.
---------------------	--

### 10.5. Incompatible materials



## 2.25L PATIO & STONE CLEANER

**Materials to avoid** Strong acids. Strong alkalis.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**General information** The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation** A single exposure may cause the following adverse effects: Temporary irritation. Coughing. Irritation of nose, throat and airway.

**Ingestion** A single exposure may cause the following adverse effects: Coughing. Gastrointestinal symptoms, including upset stomach. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

**Skin contact** A single exposure may cause the following adverse effects: Dryness and/or cracking. Skin irritation.

**Eye contact** A single exposure may cause the following adverse effects: Irritation of eyes and mucous membranes. Irritation and redness, followed by blurred vision. Itchiness. Profuse watering of the eyes.

**Route of exposure** Ingestion Inhalation Skin and/or eye contact

**Target organs** No specific target organs known.

## SECTION 12: Ecological information

**Ecotoxicity** Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

### 12.1. Toxicity

**Toxicity** Refer to Section 2.

### 12.2. Persistence and degradability

**Persistence and degradability** The degradability of the product is not known.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

### 12.4. Mobility in soil

**Mobility** The product is water-soluble and may spread in water systems. The product is non-volatile.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

## 2.25L PATIO & STONE CLEANER

**General information** The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

**Disposal methods** Do not empty into drains.

### SECTION 14: Transport information

#### 14.1. UN number

#### 14.2. UN proper shipping name

#### 14.3. Transport hazard class(es)

#### 14.4. Packing group

#### 14.5. Environmental hazards

#### 14.6. Special precautions for user

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

### SECTION 15: Regulatory information

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

##### **National regulations**

Health and Safety at Work etc. Act 1974 (as amended).  
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].  
EH40/2005 Workplace exposure limits.

##### **EU legislation**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).  
Commission Regulation (EU) No 2015/830 of 28 May 2015.  
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 (as amended).

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

##### **Inventories**

##### **EU - EINECS/ELINCS**

None of the ingredients are listed or exempt.

### SECTION 16: Other information

## 2.25L PATIO & STONE CLEANER

<b>Abbreviations and acronyms used in the safety data sheet</b>	<p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.</p> <p>RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.</p> <p>IATA: International Air Transport Association.</p> <p>ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>CAS: Chemical Abstracts Service.</p> <p>ATE: Acute Toxicity Estimate.</p> <p>LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.</p> <p>LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).</p> <p>EC<sub>50</sub>: 50% of maximal Effective Concentration.</p> <p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p>
<b>Revision date</b>	09/08/2019
<b>Revision</b>	1
<b>SDS number</b>	5465
<b>Hazard statements in full</b>	<p>H225 Highly flammable liquid and vapour.</p> <p>H302 Harmful if swallowed.</p> <p>H304 May be fatal if swallowed and enters airways.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H318 Causes serious eye damage.</p> <p>H319 Causes serious eye irritation.</p> <p>H336 May cause drowsiness or dizziness.</p> <p>H361d Suspected of damaging the unborn child.</p> <p>H373 May cause damage to organs through prolonged or repeated exposure.</p> <p>H400 Very toxic to aquatic life.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p> <p>EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.</p>

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.