

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

1.1 Product Identifier: **PATH & PATIO CLEANER**
1.2 Use of the Substance/Preparation: Surface cleaner
1.3 Manufacturer/Distributor: Vitax Limited, Owen Street, Coalville, LE67 3DE
 Tel: +44 (0)1530 510060 Email: info@vitax.co.uk
1.4 Emergency Contact: Tel: +44 (0)1530 510060 (Office Hours)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLASSIFICATION according to Directive EC 1272/2008 Classification, Labelling and Packaging
 This mixture is not classified as dangerous to humans or the environment

Primary Hazard

None.

2.2 Label Elements

There are no statutory labelling requirements under Directive 1999/45/EC, regulation 1272/2008 and regulation 453/2012.

2.3 Other Hazards

Mixture not classed as PBT or vPvB

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formulation Type: Soluble liquid:

3.2 Mixtures:

INGREDIENT	CAS/EINECS	Classification	% w/w
Benzalkonium Chloride	684424-85-1 270-325-2	Danger –Ac. Tox. 4: H302; Eye Dam. 1: H318 Skin Corr. 1B: H314 Aquatic Acute 1 - H400, H410	<1.00%
Alcohols, C9-11, ethoxylated	68439-46-3	Danger –Ac. Tox. 4: H302 Eye Dam. 1: H318	<1.00%

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

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

Eye contact – Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Skin contact – immediately wash with soap and water. If skin irritation occurs consult a doctor.

Ingestion – wash out mouth with water and seek medical advice.

Inhalation – remove to fresh air.

4.2 Most important symptoms and effects, both acute and delayed

Eye Contact: pain and redness, burning sensation and tearing.

4.3 Indication of immediate medical attention and special treatment needed:

Additional medical guidance is available to doctors from the National Poisons Information Service.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media: If involved in a fire use water spray, carbon dioxide, dry chemical, or foam.

5.2 Special hazards arising from substance or mixture:

In intense heat, product decomposition may release hazardous fumes.

5.3 Advice for firefighters:

Wear self-contained breathing apparatus in confined spaces. Contain contaminated run-off.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing. Avoid contact with skin and eyes. Remove all sources of ignition. Ventilate area of spill.

6.2 Environmental Precautions

Do not allow to enter storm drains or water courses. If this product enters a water course or a sewer contact local water authority and inform the Environment Agency.

6.3 Methods and material for containment and cleaning up

Soak up with absorbent material such as sand and transfer to suitably labelled container for disposal.

6.4 Reference to other sections

See section 8 for personal protection.

7. HANDLING & STORAGE

- 7.1 Precaution for safe handling** Avoid contact with skin and eyes. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Remove contaminated clothing and protective equipment before entering eating areas.
- 7.2 Conditions for safe storage, including any incompatibilities**
Store in a cool dry atmosphere, in original labelled containers. Refer to manufacturer for maximum safe stacking height. Keep away from heat sources, combustible materials.
- 7.3 Specific end use(s)** No specific information available

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

- 8.1 Control Parameters:** No occupational exposure limit or specific personal protective equipment assigned.
- 8.2 Exposure controls**
- Engineering Controls: Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.
- Respiratory Protection: For most conditions, no respiratory protection should be needed. However, when airborne exposure guidelines and/or comfort levels may be exceeded use an approved air-purifying respirator. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.
- Hand/Skin Protection: For brief contact, no precautions other than clean body-covering clothing and impervious gloves should be needed. When prolonged or frequently repeated contact could occur, use protective clothing impervious to this material.
- Eye/Face Protection: Use chemical goggles. Normal good hygiene standards should be observed.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	Clear, colourless liquid
Odour	faint organic
pH	Neutral
Boiling point	ca. 100°C
Flammability	non flammable
Relative density	1.01
Solubility	Soluble
Other data	none

10. STABILITY & REACTIVITY

- 10.1 Reactivity** Unknown
- 10.2 Chemical Stability** Stable under normal conditions
- 10.3 Possibility of hazardous reactions** Information not available
- 10.4 Conditions to avoid** Extremes of temperature
- 10.5 Incompatible materials** None known
- 10.6 Hazardous decomposition products** Possible irritant fumes

11. TOXICOLOGICAL

11.1 Information on toxicological effects

- The mixture has not been assessed for toxicological effects, the mixture classification is given in section 2 based on individual component contents. Individual component hazards are given in section 3
- Acute toxicity** Not classified as hazardous
- Irritation** Not classified as hazardous
- Corrosivity:** Not classified as hazardous
- Sensitisation**
- Skin sensitisation:** Not classified as hazardous
- Repeated dose toxicity:** Does not contain any substance regarded as toxic for repeated dose.
- Carcinogenicity:** Does not contain any substance regarded as carcinogenic.
- Mutagenicity:** Does not contain any substance regarded as mutagenic.
- Toxicity for reproduction:** Does not contain any substance regarded as toxic for reproduction.
To the best of our knowledge physical, chemical and toxicological properties have

12. ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity** Not classified as harmful to the environment.
- 12.2 Persistence and degradability** Information not available

12.3 Bioaccumulative potential	Based on components the product is expected to be readily biodegradable. The quaternary ammonium component complies with biodegradability conditions, particularities and limits specified in Detergents Regulation (EC) 648/2004 & annexes.
12.4 Mobility in soil	The product is water based and may be mobile in the aquatic environment. The quaternary ammonium component readily binds to organic matter/sediment.
12.5 Results of PBT and vPvB	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
12.6 Other adverse effects	Information not available

13. DISPOSAL CONSIDERATIONS	
13.1 Waste Treatment Methods	Dispose of empty container in household waste. Dispose of unused material through a reputable waste disposal contractor in accordance with The Environmental Protection Act 1990.

14. TRANSPORT INFORMATION	
14.1 UN number:	Product is unclassified for transport
14.2 UN proper shipping name:	Product is unclassified for transport
14.3 Transport hazard:	Product is unclassified for transport
14.4 Packing group:	Product is unclassified for transport
14.5 Environmental hazards:	Product is unclassified for transport.
14.6 Special precautions for user:	Not specified
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	Applicable for Maritime bulk transport only. Check with carrier.

15. REGULATORY INFORMATION	
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.	This substance is classified and labelled in accordance with regulation 1999/45/EC, 1272/2008, the statutory instrument No.716 2009 Chemicals (Hazard Information and Packaging) regulations, 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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) CSA not undertaken for this substance
15.2 Chemical Safety Assessment	

16. OTHER INFORMATION	
Reason for revision:	Replaces version dated Sept 2014. All sections updated.
Other Hazard Information assigned to individual ingredients, but not carried to final classification: CLP Regulation (EC) n° 1272/2008:	Acute Tox. 4: H302 - Harmful if swallowed Eye Dam. 1: H318 - Causes serious eye damage Skin Corr. 1B: H314 - Causes severe skin burns and eye damage Aq. Acute 1: H400 – Very toxic to aquatic life This product label provides information on a specific pesticidal use of the product: do not use otherwise, unless you have assessed any potential hazard involved, the safety measures required and that the particular use has ‘off-label’ approval or is otherwise permitted under the Control of Pesticides Regulations.
Liability	The product label provides information on the use of the product: do not use otherwise, unless you have assessed any potential hazard involved and the safety measures required. Prepared by VITAX LTD, for Health and Safety purposes from the best knowledge available at the time of printing.