



## SAFETY DATA SHEET Citrus Pest Gel

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name Citrus Pest Gel  
Internal Id TC/2012/069/20

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

Identified uses Unblocking of drains and clears waste pipes.  
Uses advised against Any use other than those identified.

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

Supplier Barrettine  
Barrettine Works  
St Ivel Way  
Warmley  
Bristol  
BS30 8TY  
Tel: 0117 960 0060  
Fax: 0117 935 2437  
sales@barrettine.co.uk

#### 1.4. Emergency telephone number

+44 (0) 1270 502 891

### SECTION 2: HAZARDS IDENTIFICATION

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

Classification (EC 1272/2008)

|                               |                 |
|-------------------------------|-----------------|
| Physical and Chemical Hazards | Not classified. |
| Human health                  | Not classified. |
| Environment                   | Not classified. |

Classification (1999/45/EEC)

Not classified.

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

Human health

The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals in contact with skin.

Environment

The product is not expected to be hazardous to the environment.

#### 2.2. Label elements

Label In Accordance With (EC) No. 1272/2008

No pictogram required.

Precautionary Statements

|              |   |
|--------------|---|
| P102         | Keep out of reach of children.  |
| P101         | If medical advice is needed, have product container or label at hand. |
| P264         | Wash hands thoroughly after handling.                                 |
| P301+330+331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.                    |
| P404         | Store in a closed container.  |

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P501

Dispose of contents/container in accordance with local regulations.

## 2.3. Other hazards

This product does not contain any PBT or vPvB substances.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

|  |   |  |
|--|---|--|
| C6-C12 alcohols ethoxylated  |   | <1%  |
| CAS-No.: 68439-45-2  | EC No.:   |  |
| Classification (EC 1272/2008)<br>Acute Tox. 4 - H302<br>Eye Dam. 1 - H318  | Classification (67/548/EEC)<br>Xn;R22.<br>Xi;R41.                   |  |
| 2-bromo-2-nitropropane-1,3-diol  |   | <0.1%                                      |
| CAS-No.: 52-51-7   | EC No.: 200-143-0   |  |
| Classification (EC 1272/2008)<br>Acute Tox. 4 - H302<br>Acute Tox. 4 - H312<br>Skin Irrit. 2 - H315<br>Eye Dam. 1 - H318<br>STOT SE 3 - H335<br>Aquatic Acute 1 - H400 | Classification (67/548/EEC)<br>Xn;R21/22<br>Xi;R37/38,R41<br>N;R50  |  |
| potassium (dihydrogen orthophosphate)  |   | <0.1%                                      |
| CAS-No.: 7778-77-0   | EC No.: 231-913-4   | Registration Number: 01-2119490224-41-XXXX |
| Classification (EC 1272/2008)<br>Not classified.   | Classification (67/548/EEC)<br>Not classified.                      |  |
| 1,2-BENZISOTHIAZOL-3(2H)-ONE   |   | <0.1%                                      |
| CAS-No.: 2634-33-5   | EC No.: 220-120-9   |  |
| Classification (EC 1272/2008)<br>Acute Tox. 4 - H302<br>Skin Irrit. 2 - H315<br>Eye Dam. 1 - H318<br>Skin Sens. 1 - H317<br>Aquatic Acute 1 - H400                     | Classification (67/548/EEC)<br>Xn;R22<br>R43<br>Xi;R38,R41<br>N;R50 |  |
| SODIUM HYDROXIDE   |   | <0.1%                                      |
| CAS-No.: 1310-73-2   | EC No.: 215-185-5   | Registration Number: 01-2119457892-27-XXXX |
| Classification (EC 1272/2008)<br>Skin Corr. 1A - H314  | Classification (67/548/EEC)<br>C;R35                                |  |

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

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## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General information

Remove affected person from source of exposure. Provide fresh air, first-aid, warmth and rest.

Never give victim anything to drink if they are unconscious.

#### Inhalation

Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

#### Ingestion

If swallowed do NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head low so that stomach contents do not enter lungs.

Rinse mouth thoroughly and seek medical attention immediately. Keep patient at rest.

#### Skin contact

Remove contaminated clothing and shoes. Wash skin thoroughly with soap and running water. Take especial care to clean folds, crevices, creases and groin.

Get medical attention if irritation persists or develops.

Launder clothing and clean shoes thoroughly before reuse.

#### Eye contact

Check for contact lenses which must be removed from the eyes before rinsing.

Promptly rinse eyes with plenty of clean water while lifting the eyelids.

Continue to rinse for at least 15 minutes. Continue until the eyes are free of all traces of contamination.

Get medical attention if any discomfort or irritation persists.

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

#### Ingestion

May cause discomfort if swallowed.

#### Skin contact

Prolonged skin contact may cause redness and irritation.

#### Eye contact

May cause temporary eye irritation.

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

Treat Symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### Extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

#### Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

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

#### Hazardous combustion products

During fire, toxic gases (CO, CO<sub>2</sub>, NO<sub>x</sub>) are formed.

#### Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

### 5.3. Advice for firefighters

#### Protective equipment for fire-fighters

Wear self-contained breathing apparatus and full protective clothing. Keep all unnecessary people away. Fire water run-off must not be allowed to contaminate ground or enter drains, sewers or water courses. Provide bunding against fire water run-off.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Wear protective clothing (see Section 8). Keep unnecessary people at a safe distance.

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## 6.2. Environmental precautions

Cover all drains and sewers. Avoid spreading spilled material.

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

Absorb in vermiculite, sand, diatomaceous earth or other inert absorbent material. Place into clearly labelled container for recovery or disposal (see section 13). Rinse site with copious amounts of water, which should not be allowed into drains, sewers or water courses.

## 6.4. Reference to other sections

### SECTION 7: HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Normal precautions necessary for the handling of all chemicals and the information and advice provided in this safety data sheet (SDS) should be observed.

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

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from food, drink and animal feeding stuffs.

#### 7.3. Specific end use(s)

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

| Name                                  | STD | TWA - 8 Hrs |                      | STEL - 15 Min |                     | Notes |
|---------------------------------------|-----|-------------|----------------------|---------------|---------------------|-------|
| potassium (dihydrogen orthophosphate) | WEL |             | 10 mg/m <sup>3</sup> |               |                     |       |
| SODIUM HYDROXIDE                      | WEL |             |                      |               | 2 mg/m <sup>3</sup> |       |

WEL = Workplace Exposure Limit.

#### **SODIUM HYDROXIDE (CAS: 1310-73-2)**

|          |             |           |               |                     |  |
|----------|-------------|-----------|---------------|---------------------|--|
| DNEL     |             |           |               |                     |  |
| Industry | Inhalation. | Long Term | Local Effects | 1 mg/m <sup>3</sup> |  |
| Consumer | Inhalation. | Long Term | Local Effects | 1 mg/m <sup>3</sup> |  |

#### **potassium (dihydrogen orthophosphate) (CAS: 7778-77-0)**

|          |             |           |                  |                        |  |
|----------|-------------|-----------|------------------|------------------------|--|
| DNEL     |             |           |                  |                        |  |
| Industry | Inhalation. | Long Term | Systemic Effects | 4.07 mg/m <sup>3</sup> |  |
| Consumer | Inhalation. | Long Term | Systemic Effects | 3.04 mg/m <sup>3</sup> |  |

|                      |     |      |  |  |  |
|----------------------|-----|------|--|--|--|
| PNEC                 |     |      |  |  |  |
| Freshwater           | 50  | µg/l |  |  |  |
| Marinewater          | 5   | µg/l |  |  |  |
| Intermittent release | 0.5 | mg/l |  |  |  |
| STP                  | 50  | mg/l |  |  |  |

#### 8.2. Exposure controls

##### Engineering measures

Provide adequate general and local exhaust ventilation.

##### Respiratory equipment

In case of inadequate ventilation use suitable respirator.

##### Hand protection

Avoid prolonged or repeated contact, use suitable protective gloves made of Butyl rubber. Nitrile. After using gloves the hands should be washed and thoroughly dried and a suitable moisturiser applied.

##### Eye protection

Wear goggles/face shield.

##### Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

|            |                             |
|------------|-----------------------------|
| Appearance | Liquid                      |
| Solubility | Completely soluble in water |

### 9.2. Other information

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

### 10.2. Chemical stability

Stable under normal conditions of storage and use. See section 7.

### 10.3. Possibility of hazardous reactions

Not determined.  
Hazardous Polymerisation  
Will not polymerise.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

Materials To Avoid  
Strong acids.

### 10.6. Hazardous decomposition products

During fire, toxic gases (CO, CO<sub>2</sub>, NO<sub>x</sub>) are formed.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Toxicological information

No data are available for this product. It has been classified according to the calculation procedure of the EC Dangerous Preparations Directive using known information and calculated data about the individual components then read across to the Classification, Labelling and Packaging of substances and mixtures directive (as amended).

#### General information

This product has low toxicity. Only large volumes may have adverse impact on human health.

No ill effects are expected if this product is used for its intended purpose or when processing and handling it with the normal precautions employed in the use of chemicals.

#### Inhalation

May cause irritation to the respiratory system.

#### Ingestion

May cause discomfort if swallowed.

#### Skin contact

Repeated exposure may cause skin dryness or cracking. The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals after repeated contact.

#### Eye contact

Splashes may irritate.

## SECTION 12: ECOLOGICAL INFORMATION

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## Ecotoxicity

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### 12.1. Toxicity

#### Acute Fish Toxicity

No data is available for this preparation. Classified according to the calculation procedure of the EC Dangerous Preparations Directive using known data and information about the individual components

### 12.2. Persistence and degradability

#### Degradability

The product is expected to be biodegradable.

### 12.3. Bioaccumulative potential

#### Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

### 12.4. Mobility in soil

#### Mobility:

The product contains substances, which are water soluble and may spread in water systems.

### 12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

### 12.6. Other adverse effects

The product may contribute to an excessive enrichment of the aquatic environment with nutrients.

## SECTION 13: DISPOSAL CONSIDERATIONS

### General information

Do not dispose to landfill or watercourses. Product is hazardous waste. Do not allow into drains, sewers or water courses. Disposal must be by means of a licensed waste contractor.

### 13.1. Waste treatment methods

Under current waste legislation - small amounts may be flushed into the sewer with plenty of water. Larger amounts must be neutralised with a suitable acid prior to collection and disposed of by a licensed waste contractor.

## SECTION 14: TRANSPORT INFORMATION

### General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

#### Transport Labels

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant  
No.

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## 14.6. Special precautions for user

Not applicable.

## 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

## SECTION 15: REGULATORY INFORMATION

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

#### Statutory Instruments

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 SI No 716. (CHIP4).

Control of Substances Hazardous to Health Regulations (as amended). (COSHH)

Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007. (CDG 2009)

#### Approved Code Of Practice

The Control of Substances Hazardous to Health Regulations 2002 (as amended). Approved code of practice and guidance.

Fifth Edition 2005. HSE Books, or download at: <http://www.hse.gov.uk/pubns/priced/l5.pdf>

#### Guidance Notes

CHIP for everyone HSG(108).

COSHH essentials. 'Easy steps to control chemicals.' Only available on HSE's website and regularly updated at

<http://www.hse.gov.uk/pubns/guidance/index.htm>

Maintenance, examination and testing of local exhaust ventilation HSG154 (HSE 1998).

#### 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), 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) 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.

ADR (L'Accord européen relative au transport international des marchandises dangereuses par route.)

### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

## SECTION 16: OTHER INFORMATION

#### Revision Comments

This is first issue.

Revision Date 03-JUN-13

#### Risk Phrases In Full

|        |  |
|--------|--|
| R35    | Causes severe burns.                           |
| R22    | Harmful if swallowed.                          |
| R21/22 | Harmful in contact with skin and if swallowed. |
| R37/38 | Irritating to respiratory system and skin.     |
| R38    | Irritating to skin.                            |
| R43    | May cause sensitisation by skin contact.       |
| NC     | Not classified.                                |
| R41    | Risk of serious damage to eyes.                |
| R50    | Very toxic to aquatic organisms.               |

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### Hazard Statements In Full

|      |  |
|------|--|
| H318 | Causes serious eye damage.               |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation.                  |
| H302 | Harmful if swallowed.                    |
| H312 | Harmful in contact with skin.            |
| H317 | May cause an allergic skin reaction.     |
| H335 | May cause respiratory irritation.        |
| H400 | Very toxic to aquatic life.              |

### 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.