

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Name : Bug Blaster - Ready to Use  
Product code :

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Intended for general public  
Main use category : Consumer use  
Use of the substance/mixture : Non- Biocidal trapping product for small insects

**1.2.2. Uses advised against**

No additional information available

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

Barrettine  
Barrettine Works  
St Ivel Way  
Warmley  
Bristol  
BS30 8TY

Tel: +44 (0) 1179 600060 Office hours only 8am–5pm Mon–Thurs. 8am–4.30pm Fri  
Fax: +44 (0) 1179 352437  
Email: sales@barrettine.co.uk

**1.4. Emergency telephone number**

Emergency number : +44 (0) 1270 502891 (Out of Office Hours Emergency Number)

| Country        | Organisation/Company                                     | Address   | Emergency number  |
|----------------|--|---|---|
| Ireland        | National Poisons Information Centre<br>Beaumont Hospital | Beaumont Hospital Beaumont Road<br>9 Dublin           | : +353 1 8379964  |
| United Kingdom | National Poisons Information Service (NHS<br>Direct)     | <a href="http://www.npis.org">http://www.npis.org</a> | 111 (England & Wales only)<br>or 112 (EU) or 08454 24 24<br>24 (Scotland) |

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Not classified

**Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]**

Not classified

**Adverse physicochemical, human health and environmental effects**

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

**2.2. Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Precautionary statements (CLP) : P102 - Keep out of reach of children

**2.3. Other hazards**

No additional information available

**SECTION 3: Composition/information on ingredients****3.1. Substance**

Not applicable

**3.2. Mixture**

| Name  | Product identifier  | %     | Classification according to Directive 67/548/EEC                |
|---|---|-------|---|
| propan-2-ol, isopropyl alcohol, isopropanol | (CAS No) 67-63-0<br>(EC no) 200-661-7<br>(EC index no) 603-117-00-0<br>(REACH-no) 01-2119457558-25-XXXX | 1 - 5 | F; R11<br>Xi; R36<br>R67  |
| Name  | Product identifier  | %     | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
| propan-2-ol, isopropyl alcohol, isopropanol | (CAS No) 67-63-0<br>(EC no) 200-661-7<br>(EC index no) 603-117-00-0<br>(REACH-no) 01-2119457558-25-XXXX | 1 - 5 | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336     |

Full text of R- and H-statements: see section 16

**SECTION 4: First aid measures****4.1. Description of first aid measures**

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water.  
First-aid measures after eye contact : Rinse eyes with water as a precaution.  
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

No additional information available

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

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

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

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

**5.3. Advice for firefighters**

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

Emergency procedures : Ventilate spillage area.

**6.1.2. For emergency responders**

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

**6.2. Environmental precautions**

Avoid release to the environment.

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

Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

**6.4. Reference to other sections**

For further information refer to section 13.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Store in a well-ventilated place. Keep cool.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| propan-2-ol, isopropyl alcohol, isopropanol (67-63-0) |   |  |
|---|---|--|
| Austria   | MAK (mg/m <sup>3</sup> )  | 500 mg/m <sup>3</sup>  |
| Austria   | MAK (ppm)   | 200 ppm  |
| Austria   | MAK Short time value (mg/m <sup>3</sup> )                       | 2000 mg/m <sup>3</sup>   |
| Austria   | MAK Short time value (ppm)                                      | 800 ppm  |
| Belgium   | Limit value (mg/m <sup>3</sup> )                                | 500 mg/m <sup>3</sup>  |
| Belgium   | Limit value (ppm)   | 200 ppm  |
| Belgium   | Short time value (mg/m <sup>3</sup> )                           | 1000 mg/m <sup>3</sup>   |
| Belgium   | Short time value (ppm)  | 400 ppm  |
| Bulgaria  | OEL TWA (mg/m <sup>3</sup> )                                    | 980 mg/m <sup>3</sup>  |
| Bulgaria  | OEL STEL (mg/m <sup>3</sup> )                                   | 1225 mg/m <sup>3</sup>   |
| France  | VLE (mg/m <sup>3</sup> )  | 980 mg/m <sup>3</sup>  |
| France  | VLE (ppm)   | 400 ppm  |
| Germany   | TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> ) | 500 mg/m <sup>3</sup>  |
| Germany   | TRGS 900 Occupational exposure limit value (ppm)                | 200 ppm  |
| Germany   | Remark (TRGS 900)   | DFG, Y   |
| Greece  | OEL TWA (mg/m <sup>3</sup> )                                    | 980 mg/m <sup>3</sup>  |
| Greece  | OEL TWA (ppm)   | 400 ppm  |
| Greece  | OEL STEL (mg/m <sup>3</sup> )                                   | 1225 mg/m <sup>3</sup>   |
| Greece  | OEL STEL (ppm)  | 500 ppm  |
| Italy - Portugal - USA ACGIH                          | ACGIH TWA (ppm)   | 200 ppm  |
| Italy - Portugal - USA ACGIH                          | ACGIH STEL (ppm)  | 400 ppm  |
| Italy - Portugal - USA ACGIH                          | Remark (ACGIH)  | Eye & URT irr; CNS impair  |
| Latvia  | OEL TWA (mg/m <sup>3</sup> )                                    | 350 mg/m <sup>3</sup>  |
| USA OSHA  | OSHA PEL (TWA) (mg/m <sup>3</sup> )                             | 980 mg/m <sup>3</sup>  |
| USA OSHA  | OSHA PEL (TWA) (ppm)  | 400 ppm  |
| Spain   | VLA-ED (mg/m <sup>3</sup> )                                     | 500 mg/m <sup>3</sup>  |
| Spain   | VLA-ED (ppm)  | 200 ppm  |
| Spain   | VLA-EC (mg/m <sup>3</sup> )                                     | 1000 mg/m <sup>3</sup>   |
| Spain   | VLA-EC (ppm)  | 400 ppm  |
| Spain   | Notes   | (2011), VLB® (Agente químico que tiene Valor Límite Biológico específico en este documento.), s (Esta sustancia tiene prohibida total o parcialmente su comercialización y uso como fitosanitario y/o como biocida. Para unainformación detallada acerca de las prohibiciones consúltese:Base de datos de productos biocidas:htthttp://www.msssi.gob.es/ciudadanos/produ ctos.do?tipo=plaguicidasBase de datos de productos fitosanitarios:http://www.magrama.gob.es/agricultura/p ags/fitos/registro/fichas/pdf/Lista_sa.pdf) |
| Switzerland   | VLE (mg/m <sup>3</sup> )  | 1000 mg/m <sup>3</sup>   |
| Switzerland   | VLE (ppm)   | 400 ppm  |
| Switzerland   | VME (mg/m <sup>3</sup> )  | 500 mg/m <sup>3</sup>  |
| Switzerland   | VME (ppm)   | 200 ppm  |
| Switzerland   | Remark (CH)   | 4x15   |
| United Kingdom  | WEL TWA (mg/m <sup>3</sup> )                                    | 999 mg/m <sup>3</sup>  |
| United Kingdom  | WEL TWA (ppm)   | 400 ppm  |
| United Kingdom  | WEL STEL (mg/m <sup>3</sup> )                                   | 1250 mg/m <sup>3</sup>   |
| United Kingdom  | WEL STEL (ppm)  | 500 ppm  |
| Czech Republic  | Expoziční limity (PEL) (mg/m <sup>3</sup> )                     | 500 mg/m <sup>3</sup>  |

| propan-2-ol, isopropyl alcohol, isopropanol (67-63-0) |                                  |             |
|---|----------------------------------|-------------|
| Czech Republic  | Expoziční limity (PEL) (ppm)     | 204 ppm     |
| Czech Republic  | Expoziční limity (NPK-P) (mg/m³) | 1000 mg/m³  |
| Czech Republic  | Expoziční limity (NPK-P) (ppm)   | 410 ppm     |
| Czech Republic  | Remark (CZ)                      | D           |
| Denmark   | Grænseværdie (langvarig) (mg/m³) | 490 mg/m³   |
| Denmark   | Grænseværdie (langvarig) (ppm)   | 200 ppm     |
| Finland   | HTP-arvo (8h) (mg/m³)            | 500 mg/m³   |
| Finland   | HTP-arvo (8h) (ppm)              | 200 ppm     |
| Finland   | HTP-arvo (15 min)                | 620 mg/m³   |
| Finland   | HTP-arvo (15 min) (ppm)          | 250 ppm     |
| Hungary   | AK-érték                         | 500 mg/m³   |
| Hungary   | CK-érték                         | 2000 mg/m³  |
| Hungary   | Megjegyzések (HU)                | b, i; II.1. |
| Ireland   | OEL (8 hours ref) (ppm)          | 200 ppm     |
| Ireland   | OEL (15 min ref) (ppm)           | 400 ppm     |
| Ireland   | Notes (IE)                       | Sk          |
| Lithuania   | IPRV (mg/m³)                     | 350 mg/m³   |
| Lithuania   | IPRV (ppm)                       | 150 ppm     |
| Lithuania   | TPRV (mg/m³)                     | 600 mg/m³   |
| Lithuania   | TPRV (ppm)                       | 250 ppm     |
| Norway  | Grenseverdier (AN) (mg/m³)       | 245 mg/m³   |
| Norway  | Grenseverdier (AN) (ppm)         | 100 ppm     |
| Poland  | NDS (mg/m³)                      | 900 mg/m³   |
| Poland  | NDSch (mg/m³)                    | 1200 mg/m³  |
| Romania   | OEL TWA (mg/m³)                  | 200 mg/m³   |
| Romania   | OEL TWA (ppm)                    | 81 ppm      |
| Romania   | OEL STEL (mg/m³)                 | 500 mg/m³   |
| Romania   | OEL STEL (ppm)                   | 203 ppm     |
| Sweden  | nivågränsvärde (NVG) (mg/m³)     | 350 mg/m³   |
| Sweden  | nivågränsvärde (NVG) (ppm)       | 150 ppm     |
| Sweden  | kortidsvärde (KTV) (mg/m³)       | 600 mg/m³   |
| Sweden  | kortidsvärde (KTV) (ppm)         | 250 ppm     |
| Australia   | TWA (mg/m³)                      | 983 mg/m³   |
| Australia   | TWA (ppm)                        | 400 ppm     |
| Australia   | STEL (mg/m³)                     | 1230 mg/m³  |
| Australia   | STEL (ppm)                       | 500 ppm     |
| Portugal  | OEL TWA (ppm)                    | 200 ppm     |
| Portugal  | OEL STEL (ppm)                   | 400 ppm     |

### 8.2. Exposure controls

Appropriate engineering controls

: Ensure good ventilation of the work station. Provide adequate general and local exhaust ventilation.

Personal protective equipment

: Protective clothing. Protective goggles. Gloves.



Hand protection

: Protective gloves.

Eye protection

: Safety glasses.

Skin and body protection

: Wear suitable protective clothing.

|                                 |  |
|---------------------------------|--|
| Respiratory protection          | : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. |
| Environmental exposure controls | : Avoid release to the environment.  |

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

|  |                        |
|--|------------------------|
| Physical state                             | : Liquid               |
| Colour                                     | : No data available    |
| Odour                                      | : No data available    |
| Odour threshold                            | : No data available    |
| pH   | : No data available    |
| Relative evaporation rate (butylacetate=1) | : No data available    |
| Melting point                              | : Not applicable       |
| Freezing point                             | : No data available    |
| Boiling point                              | : No data available    |
| Flash point                                | : > 60 °C              |
| Auto-ignition temperature                  | : No data available    |
| Decomposition temperature                  | : No data available    |
| Flammability (solid, gas)                  | : Not applicable       |
| Vapour pressure                            | : No data available    |
| Relative vapour density at 20 °C           | : No data available    |
| Relative density                           | : No data available    |
| Solubility                                 | : Completely miscible. |
| Log Pow                                    | : No data available    |
| Log Kow                                    | : No data available    |
| Viscosity, kinematic                       | : No data available    |
| Viscosity, dynamic                         | : No data available    |
| Explosive properties                       | : No data available    |
| Oxidising properties                       | : No data available    |
| Explosive limits                           | : No data available    |

**9.2. Other information**

No additional information available

**SECTION 10: Stability and reactivity****10.1. Reactivity**

The product is non-reactive under normal conditions of use, storage and transport.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

No dangerous reactions known under normal conditions of use.

**10.4. Conditions to avoid**

None under recommended storage and handling conditions (see section 7).

**10.5. Incompatible materials**

No additional information available

**10.6. Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

|                |                  |
|----------------|------------------|
| Acute toxicity | : Not classified |
|----------------|------------------|

**propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)**

|                            |   |
|----------------------------|---|
| LD50 dermal rabbit         | 12870 mg/kg (Rabbit; Experimental value; Equivalent or similar to OECD 402; 16.4; Rabbit) |
| LC50 inhalation rat (mg/l) | 73 mg/l/4h (Rat)  |

**propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)**

|                     |                            |
|---------------------|----------------------------|
| ATE CLP (dermal)    | 12870,000 mg/kg bodyweight |
| ATE CLP (vapours)   | 73,000 mg/l/4h             |
| ATE CLP (dust,mist) | 73,000 mg/l/4h             |

|  |                  |
|--|------------------|
| Skin corrosion/irritation                          | : Not classified |
| Serious eye damage/irritation                      | : Not classified |
| Respiratory or skin sensitisation                  | : Not classified |
| Germ cell mutagenicity                             | : Not classified |
| Carcinogenicity                                    | : Not classified |
| Reproductive toxicity                              | : Not classified |
| Specific target organ toxicity (single exposure)   | : Not classified |
| Specific target organ toxicity (repeated exposure) | : Not classified |

Aspiration hazard : Not classified

**SECTION 12: Ecological information****12.1. Toxicity**

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

**propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)**

|                         |  |
|-------------------------|--|
| LC50 fish 2             | 9640 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Pimephales promelas; Flow-through system; Fresh water; Experimental value) |
| EC50 Daphnia 2          | 13299 mg/l (EC50; Other; 48 h; Daphnia magna)  |
| Threshold limit algae 1 | > 1000 mg/l (EC50; UBA; 72 h; Scenedesmus subspicatus)   |

**12.2. Persistence and degradability****propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)**

|                                 |   |              |
|---------------------------------|---|--------------|
| Persistence and degradability   | Readily biodegradable in water. Biodegradable in soil. Biodegradable in soil in anaerobic condition. No (test) data available on mobility of the substance. |              |
| Biochemical oxygen demand (BOD) | 1,19 g O <sub>2</sub>   | /g substance |
| Chemical oxygen demand (COD)    | 2,23 g O <sub>2</sub>   | /g substance |
| ThOD                            | 2,40 g O <sub>2</sub>   | /g substance |

**12.3. Bioaccumulative potential****propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)**

|                           |  |
|---------------------------|--|
| Log Pow                   | 0,05 (Weight of evidence approach; Other; 25 °C) |
| Bioaccumulative potential | Low bioaccumulation potential (Log Kow < 4).     |

**12.4. Mobility in soil****propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)**

|                 |                   |
|-----------------|-------------------|
| Surface tension | 0,021 N/m (25 °C) |
|-----------------|-------------------|

**12.5. Results of PBT and vPvB assessment**

No additional information available

**12.6. Other adverse effects**

No additional information available

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Waste disposal recommendations : Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations.

Ecology - waste materials : Avoid release to the environment.

European List of Waste (LoW) code : 20 01 19\* - pesticides

**SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

**14.1. UN number**

Not dangerous goods in terms of transport regulations

**14.2. UN proper shipping name**

Not applicable

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

Not applicable

**14.4. Packing group**

Not applicable

**14.5. Environmental hazards**

Other information : No supplementary information available.

**14.6. Special precautions for user****14.6.1. Overland transport**

No additional information available

**14.6.2. Transport by sea**

No additional information available

**14.6.3. Air transport**

No additional information available

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

|  |  |
|--|--|
| 3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008   | propan-2-ol, isopropyl alcohol, isopropanol - Isotridecanol, ethoxylated |
| 3.a. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F  | propan-2-ol, isopropyl alcohol, isopropanol                              |
| 3.b. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10   | propan-2-ol, isopropyl alcohol, isopropanol - Isotridecanol, ethoxylated |
| 40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not. | propan-2-ol, isopropyl alcohol, isopropanol                              |

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

**15.1.2. National regulations**

Water hazard class (WGK) : 1 - low hazard to waters

WGK remark : Classification water polluting based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 4)

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out

**SECTION 16: Other information**

Full text of R-, H- and EUH-statements:

|              |  |
|--------------|--|
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2                          |
| Flam. Liq. 2 | Flammable liquids, Category 2  |
| STOT SE 3    | Specific target organ toxicity — Single exposure, Category 3, Narcosis |
| H225         | Highly flammable liquid and vapour                                     |



# Bug Blaster - Ready to Use Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

|      |  |
|------|--|
| H319 | Causes serious eye irritation              |
| H336 | May cause drowsiness or dizziness          |
| R11  | Highly flammable                           |
| R36  | Irritating to eyes                         |
| R67  | Vapours may cause drowsiness and dizziness |
| F    | Highly flammable                           |
| Xi   | Irritant                                   |

SDSEU\_NSC

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*