

# SAFETY DATA SHEET

## Tox Maxx Flying Insect Killer

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

#### 1.1. Product identifier

**Product name** Tox Maxx Flying insect killer

**Container size** 300ml

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

**Identified uses** Kills flying insects

**Uses advised against** Use only for intended applications.

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

**Supplier** Keen-Newport Group Ltd  
Unit 31 Kingfisher Court  
Hambridge Road Newbury  
Berkshire  
RG14 5SJ

#### 1.4. Emergency telephone number

**Emergency telephone** +44 (0)1635 34600 (Mon-Fri 09:00-17:00)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture Classification (EC 1272/2008)

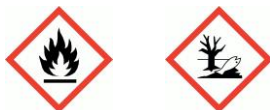
**Physical hazards** Aerosol 1 - H222, H229

**Health hazards** Not Classified

**Environmental hazards** Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

#### 2.2. Label elements

**Pictogram**



**Signal word** Danger

**Hazard statements**  
H222 Extremely flammable aerosol.  
H229 Pressurised container: may burst if heated.  
H410 Very toxic to aquatic life with long lasting effects.  
EUH208 Contains permethrin (ISO). May produce an allergic reaction.

**SAFETY DATA SHEET**

Manufactured in the UK

**Tox Maxx Flying Insect Killer**

**Precautionary statements** P102 Keep out of reach of children.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P211 Do not spray on an open flame or other ignition source.  
 P251 Do not pierce or burn, even after use.  
 P273 Avoid release to the environment.  
 P260 Do not breathe spray.  
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50° C/122° F.  
 P501 Dispose of contents/ container in accordance with national regulations.

**Supplementary precautionary statements** P391 Collect spillage.

**2.3. Other hazards**

This product does not contain any substances classified as PBT or vPvB.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

<b>butane</b>		<b>10-30%</b>
CAS number: 106-97-8	EC number: 203-448-7	REACH registration number: 01-2119474691-32-XXXX
Contains no other substances or impurities which will influence the classification of the product.		
<b>Classification</b> Flam. Gas 1 - H220 Press. Gas (Liq.) - H280	<b>Classification (67/548/EEC or 1999/45/EC)</b> F+; R12. Extremely flammable.	
<b>1,3-dipropylcyclohexane; 2-methylundecane; undecane</b>		<b>5-10%</b>
CAS number: —	EC number: 926-141-6	REACH registration number: 012119456620-43-XXXX
<b>Classification</b> Asp. Tox. 1 - H304		
<b>isobutane</b>		<b>5-10%</b>
CAS number: 75-28-5	EC number: 200-857-2	REACH registration number: 01-2119485395-27-0000
Contains no other substances or impurities which will influence the classification of the product.		
<b>Classification</b> Flam. Gas 1 - H220 Press. Gas (Liq.) - H280	<b>Classification (67/548/EEC or 1999/45/EC)</b> F+; R12. Extremely flammable.	
<b>propane</b>		<b>5-10%</b>
CAS number: 74-98-6	EC number: 200-827-9	REACH registration number: 01-2113486944-21-0000
Contains no other substances or impurities which will influence the classification of the product.		

**SAFETY DATA SHEET**

Manufactured in the UK

**Tox Maxx Flying Insect Killer**

<b>Classification</b> Flam. Gas 1 - H220 Press. Gas (Liq.) - H280		<b>Classification (67/548/EEC or 1999/45/EC)</b> F+; R12. Extremely flammable.
<b>2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether</b>		<b>&lt;1%</b>
CAS number: 51-03-6	EC number: 200-076-7	REACH registration number: 01-2119918969-16-XXXX
M factor (Acute) = 1	M factor (Chronic) = 1	
<b>Classification</b> Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		
<b>Tetramethrin</b>		<b>&lt;1%</b>
CAS number: 7696-12-0	EC number: 231-711-6	
M factor (Acute) = 10	M factor (Chronic) = 1	
<b>Classification</b> Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		
<b>permethrin (ISO)</b>		<b>&lt;1%</b>
CAS number: 52645-53-1	EC number: 258-067-9	
M factor (Acute) = 1000	M factor (Chronic) = 1000	
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		

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****General information**

If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.

**Inhalation**

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.

**Ingestion**

Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vomiting unless under the direction of medical personnel.

**SAFETY DATA SHEET**

Manufactured in the UK

**Tox Maxx Flying Insect Killer**

<b>Skin contact</b>	Rinse with water.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Rinse with water. Get medical attention if any discomfort continues.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.

**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>	Spray/mists may cause respiratory tract irritation.
<b>Ingestion</b>	Due to the physical nature of this product, it is unlikely that ingestion will occur.
<b>Skin contact</b>	Repeated exposure may cause skin dryness or cracking.
<b>Eye contact</b>	May be slightly irritating to eyes. May cause discomfort.

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

<b>Notes for the doctor</b>	Treat symptomatically.
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**SECTION 5: Firefighting measures****5.1. Extinguishing media**

<b>Suitable extinguishing media</b>	The product is flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

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

<b>Specific hazards</b>	Containers can burst violently or explode when heated, due to excessive pressure build-up. Bursting aerosol containers may be propelled from a fire at high speed. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. Vapours may form explosive mixtures with air.
<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

**5.3. Advice for firefighters**

<b>Protective actions during firefighting</b>	Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. 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**

<b>Personal precautions</b>	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. Do not touch or
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# SAFETY DATA SHEET

Manufactured in the UK

## Tox Maxx Flying Insect Killer

walk into spilled material. Evacuate area. Risk of explosion. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage. Promptly remove any clothing that becomes contaminated.

### **6.2. Environmental precautions**

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.

### **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. Eliminate all ignition sources if safe to do so. No smoking, sparks, flames or other sources of ignition near spillage. Under normal conditions of handling and storage, spillages from aerosol containers are unlikely. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. Small Spillages: Wipe up with an absorbent cloth and dispose of waste safely. Large Spillages: If the product is soluble in water, dilute the spillage with water and mop it up. Alternatively, or if it is not water-soluble, absorb the spillage with an inert, dry material and place it in a suitable waste disposal container. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains. 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** Keep out of the reach of children. 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. Avoid exposing aerosol containers to high temperatures or direct sunlight. The product is flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid discharge to the aquatic environment. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Spray will evaporate and cool rapidly and may cause frostbite or cold burns if in contact with skin. Avoid contact with eyes. Avoid inhalation of vapours and spray/mists.

**Advice on general occupational hygiene** Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

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

**Storage precautions** Store away from incompatible materials (see Section 10). Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Keep away from oxidising materials, heat and flames. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from

**SAFETY DATA SHEET**

Manufactured in the UK

**Tox Maxx Flying Insect Killer**

damage. Protect from sunlight. Do not store near heat sources or expose to high temperatures. Do not expose to temperatures exceeding 50° C/122° F.

**Storage class** Miscellaneous hazardous material 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****butane**

Long-term exposure limit (8-hour TWA): WEL 600 ppm 1450 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 750 ppm 1810 mg/m<sup>3</sup>

**isobutane**

800ppm (TWA/TLV)

**propane**

TLV (ACGHIH) - 1.000 ppm

WEL = Workplace Exposure Limit

**8.2. Exposure controls**

**Appropriate engineering controls** Provide adequate ventilation.

**Eye/face protection** Avoid contact with eyes. Large Spillages: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

**Hand protection** No specific hand protection recommended. Avoid contact with skin.

**Hygiene measures** Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

**Respiratory protection** No specific recommendations. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.

**Environmental exposure controls** Keep container tightly sealed when not in use. Avoid release to the environment.

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

**Appearance** Aerosol.

**Colour** Colourless.

**Odour** Characteristic.

**pH** pH (concentrated solution):  
7

**Melting point** No information available.

**Initial boiling point and range** No information available.

**Flash point** No information available.

**Evaporation rate** No information available.

**Flammability (solid, gas)** No information available.

**Upper/lower flammability or explosive limits** No information available.

**explosive limits**

**Vapour pressure** No information available.

**Vapour density** No information available.

**Relative density** No information available.

**Solubility(ies)** No information available.

**Partition coefficient** No information available.

**Auto-ignition temperature** No information available.

**Decomposition Temperature** No information available.

**Viscosity** No information available.

**Explosive properties** No information available.

**Explosive under the influence of a flame** Yes

**Oxidising properties** Not available.

**9.2. Other information**

**Other information** No information required.

**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** Avoid exposing aerosol containers to high temperatures or direct sunlight. Pressurised container: may burst if heated

**10.5. Incompatible materials**

**Materials to avoid** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

**10.6. Hazardous decomposition products**

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

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity - oral**

**Notes (oral LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**Acute toxicity - dermal**

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**Acute toxicity - inhalation**

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

**Skin corrosion/irritation**

**Animal data** Based on available data the classification criteria are not met.

**Serious eye****damage/irritation**

**Serious eye damage/irritation** Based on available data the classification criteria are not met.

**Respiratory sensitisation**

**Respiratory sensitisation** Based on available data the classification criteria are not met.

**Skin sensitisation**

**Skin sensitisation** Based on available data the classification criteria are not met.

**Germ cell mutagenicity**

**Genotoxicity - in vitro** Based on available data the classification criteria are not met.

**Carcinogenicity**

**Carcinogenicity** Based on available data the classification criteria are not met.

**IARC carcinogenicity**

Contains a substance which may be potentially carcinogenic. IARC Group 3 Not classifiable as to its carcinogenicity to humans.

**Reproductive toxicity**

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

**Reproductive toxicity development** Based on available data the classification criteria are not met.

**Specific target organ toxicity - single exposure**

**STOT - single exposure** Not classified as a specific target organ toxicant after a single exposure.

**Specific target organ toxicity - repeated exposure**

**STOT - repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

**Aspiration hazard**

**Aspiration hazard** Based on available data the classification criteria are not met.

**General information**

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

**Inhalation**

Spray/mists may cause respiratory tract irritation.

**Ingestion**

Due to the physical nature of this product, it is unlikely that ingestion will occur.

**Skin contact**

Repeated exposure may cause skin dryness or cracking.



**SAFETY DATA SHEET**

Manufactured in the UK

**Tox Maxx Flying Insect Killer****Eye contact** May be slightly irritating to eyes. May cause discomfort.**Route of exposure** Ingestion Inhalation Skin and/or eye contact**Target organs** No specific target organs known.**Toxicological information on ingredients.****butane****Acute toxicity - oral****Notes (oral LD<sub>50</sub>)** Technically not feasible.**Acute toxicity - dermal****Notes (dermal LD<sub>50</sub>)** Technically not feasible.**Acute toxicity - inhalation****Acute toxicity inhalation** 1,443.0  
(LC<sub>50</sub> vapours mg/l)**Species** Rat**ATE inhalation (vapours** 1,443.0  
**mg/l)****Skin corrosion/irritation****Skin corrosion/irritation** Technically not feasible.**Serious eye damage/irritation****Serious eye** Technically not feasible.  
**damage/irritation****Respiratory sensitisation****Respiratory sensitisation** Data lacking.**Skin sensitisation****Skin sensitisation** Technically not feasible.**Germ cell mutagenicity****Genotoxicity - in vitro** Negative.**Genotoxicity - in vivo** Negative.**Carcinogenicity****Carcinogenicity** Data lacking.1,3-dipropylcyclohexane; 2-methylundecane; undecane**Acute toxicity - oral****Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> >5000 mg/kg, Oral, Rat**Acute toxicity - dermal****Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >2000 mg/kg, Dermal, Rat**Acute toxicity - inhalation****Notes (inhalation LC<sub>50</sub>)** LC50 >5000 mg/m<sup>3</sup>, Inhalation, Rat**Skin corrosion/irritation****Skin corrosion/irritation** Not irritating.**Animal data** Erythema/eschar score: Well defined erythema (2). Fully reversible within 14 days.

**SAFETY DATA SHEET**

Manufactured in the UK

**Tox Maxx Flying Insect Killer****Serious eye damage/irritation**

**Serious eye damage/irritation** Conjunctivae score: 0 Not irritating

**Skin sensitisation**

**Skin sensitisation** Not sensitising.

**Germ cell mutagenicity**

**Genotoxicity - in vitro** Gene mutation: Negative.

**Genotoxicity - in vivo** Chromosome aberration: Negative.

**Aspiration hazard**

**Aspiration hazard** May be fatal if swallowed and enters airways.

**Acute toxicity - oral****isobutane**

**Notes (oral LD<sub>50</sub>)** Technically not feasible.

**Acute toxicity - dermal**

**Notes (dermal LD<sub>50</sub>)** Technically not feasible.

**Acute toxicity - inhalation**

**Acute toxicity inhalation** 800,000.0  
(LC<sub>50</sub> gases ppmV)

**Species** Rat

**ATE inhalation (gases ppm)** 800,000.0

**Skin corrosion/irritation**

**Skin corrosion/irritation** Technically not feasible.

**Serious eye damage/irritation**

**Serious eye damage/irritation** Technically not feasible.

**Respiratory sensitisation**

**Respiratory sensitisation** Data lacking.

**Skin sensitisation**

**Skin sensitisation** Technically not feasible.

**Germ cell mutagenicity**

**Genotoxicity - in vitro** Negative.

**Genotoxicity - in vivo** Negative.

**Carcinogenicity**

**Carcinogenicity** There is no evidence that the product can cause cancer.

**Specific target organ toxicity - single exposure**

**STOT - single exposure** Not classified

**Specific target organ toxicity - repeated exposure**

**STOT - repeated exposure** Not classified

**SAFETY DATA SHEET**

Manufactured in the UK

**Tox Maxx Flying Insect Killer****Inhalation**

Irregular cardiac activity.

**propane****Acute toxicity - oral****Notes (oral LD<sub>50</sub>)** Technically not feasible.**Acute toxicity - dermal****Notes (dermal LD<sub>50</sub>)** Technically not feasible.**Acute toxicity - inhalation****Acute toxicity inhalation** 1,443.0**(LC<sub>50</sub> vapours mg/l)****Species** Rat**ATE inhalation (vapours mg/l)** 1,443.0**Skin corrosion/irritation****Skin corrosion/irritation** Technically not feasible.**Serious eye damage/irritation****Serious eye damage/irritation** Technically not feasible.**Respiratory sensitisation****Respiratory sensitisation** Data lacking.**Skin sensitisation****Skin sensitisation** Technically not feasible.**Germ cell mutagenicity****Genotoxicity - in vitro** Negative.**Genotoxicity - in vivo** Negative.**Carcinogenicity****Carcinogenicity** There is no evidence that the product can cause cancer.**Reproductive toxicity****Reproductive toxicity - fertility** Screening - NOAEC 3.000 ppm, Inhalation, Rat**Reproductive toxicity development** Developmental toxicity: - NOAEC: 9.000 ppm, Inhalation,**Acute toxicity - oral****2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether****Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,630.0**Species** Rat**ATE oral (mg/kg)** 5,630.0**Acute toxicity - dermal**

**SAFETY DATA SHEET**

Manufactured in the UK

**Tox Maxx Flying Insect Killer****Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >2000 mg/kg, Dermal, Rabbit**Acute toxicity - inhalation****Notes (inhalation LC<sub>50</sub>)** LC50 5.9 mg/l, Inhalation, Rat**Skin corrosion/irritation****Skin corrosion/irritation** Not irritating.**Serious eye damage/irritation****Serious eye** Cornea score: 1.67 Not irritating**damage/irritation****Skin sensitisation****Skin sensitisation** Not sensitising.**Germ cell mutagenicity****Genotoxicity - in vitro** Gene mutation: Negative.**Genotoxicity - in vivo** Chromosome aberration: Negative.**Carcinogenicity****Carcinogenicity** NOAEL >=30 ppm, Oral, Rat Based on available data the classification criteria are not met.**IARC carcinogenicity** IARC Group 3 Not classifiable as to its carcinogenicity to humans.**Tetramethrin****Acute toxicity - oral****Acute toxicity oral (LD<sub>50</sub>** 4,640.0  
**mg/kg)****Species** Rat**ATE oral (mg/kg)** 4,640.0**Acute toxicity - dermal****Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >2500 mg/kg, Dermal, Rat**Acute toxicity - inhalation****Notes (inhalation LC<sub>50</sub>)** LC50 >2500 mg/m<sup>3</sup>, Inhalation, Rat**Skin corrosion/irritation****Skin corrosion/irritation** May be slightly irritating to skin.**Serious eye damage/irritation****Serious eye** Irritation of eyes is assumed.  
**damage/irritation****Respiratory sensitisation****Respiratory sensitisation** May cause sensitisation or allergic reactions in sensitive individuals.**Carcinogenicity****IARC carcinogenicity** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.**Acute toxicity - oral****permethrin (ISO)****Acute toxicity oral (LD<sub>50</sub>** 383.0  
**mg/kg)**

**SAFETY DATA SHEET**

Manufactured in the UK

**Tox Maxx Flying Insect Killer****Species** Rat**ATE oral (mg/kg)** 383.0**Acute toxicity - dermal****Acute toxicity dermal** 6,600.0  
(LD<sub>50</sub> mg/kg)**Species** Rat**ATE dermal (mg/kg)** 6,600.0**Acute toxicity - inhalation****Notes (inhalation LC<sub>50</sub>)** LC50 >23.5 mg/l, Inhalation, Rat Manufactures or importers must apply at least this minimum classification, but must classify in a more severe hazard category in the event that information is available which shows that the hazard(s) meet the criteria for classification in the more severe category.**Skin corrosion/irritation****Skin corrosion/irritation** May cause skin irritation.**Serious eye damage/irritation****Serious eye** Not available.  
**damage/irritation****Skin sensitisation****Skin sensitisation** Sensitising.**Carcinogenicity****IARC carcinogenicity** IARC Group 3 Not classifiable as to its carcinogenicity to humans.**SECTION 12: Ecological Information****12.1. Toxicity****Toxicity** Aquatic Acute 1 - H400 Very toxic to aquatic life. Aquatic Chronic 1 - H410 Very toxic to aquatic life with long lasting effects.**Ecological information on ingredients.****butane****Acute aquatic toxicity****Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 49.9 mg/l, Fish**Acute toxicity - aquatic invertebrates** LC<sub>50</sub>, 48 hours: 69.43 mg/l, Daphnia magna**Acute toxicity - aquatic plants** EC<sub>50</sub>, 96 hours: 19.37 mg/l, Algae**1,3-dipropylcyclohexane; 2-methylundecane; undecane****Acute aquatic toxicity****Acute toxicity - fish** LL<sub>50</sub>, 24 hours: >1000 mg/l, Oncorhynchus mykiss (Rainbow trout)**isobutane****Toxicity** The product is not believed to present a hazard due to its physical nature.  
**Acute aquatic toxicity****Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 49.9 mg/l, Fish

**SAFETY DATA SHEET**

Manufactured in the UK

**Tox Maxx Flying Insect Killer**

<b>Acute toxicity - aquatic invertebrates</b>	LC <sub>50</sub> , 48 hours: 69.43 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 96 hours: 19.37 mg/l, Algae

**propane****Acute aquatic toxicity**

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 49.9 mg/l, Fish
<b>Acute toxicity - aquatic invertebrates</b>	LC <sub>50</sub> , 48 hours: 69.43 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 96 hours: 19.37 mg/l, Algae

**2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether****Acute aquatic toxicity**

<b>LE(C)<sub>50</sub></b>	0.1 < L(E)C <sub>50</sub> ≤ 1
<b>M factor (Acute)</b>	1
<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 3.94 mg/l, Cyprinodon variegatus (Sheepshead minnow)
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 1.007 mg/l, Daphnia magna

**Chronic aquatic toxicity**

<b>NOEC</b>	0.01 < NOEC ≤ 0.1
<b>Degradability</b>	Non-rapidly degradable
<b>M factor (Chronic)</b>	1
<b>Chronic toxicity - fish early life stage</b>	NOEC, 35 days: 0.18 mg/l, Pimephales promelas (Fat-head Minnow)

**Tetramethrin****Acute aquatic toxicity**

<b>LE(C)<sub>50</sub></b>	0.01 < L(E)C <sub>50</sub> ≤ 0.1
<b>M factor (Acute)</b>	10

**Chronic aquatic toxicity**

<b>NOEC</b>	0.01 < NOEC ≤ 0.1
<b>Degradability</b>	Non-rapidly degradable
<b>M factor (Chronic)</b>	1

**permethrin (ISO)****Acute aquatic toxicity**

<b>M factor (Acute)</b>	1000
<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 0.016 mg/l, Pimephales promelas (Fat-head Minnow)
<b>Acute toxicity - aquatic</b>	EC <sub>50</sub> , 48 hours: 0.32 mg/l, Daphnia magna

**SAFETY DATA SHEET**

Manufactured in the UK

Tox Maxx Flying Insect Killer

**invertebrates****Chronic aquatic toxicity****M factor (Chronic)** 1000**12.2. Persistence and degradability****Persistence and degradability** The degradability of the product is not known.**Ecological information on ingredients.****butane****Phototransformation** Air - DT<sub>50</sub> : 1906 days**Biodegradation** Water - Degradation 100: 385.5 hours**1,3-dipropylcyclohexane;    2-methylundecane;  
undecane****Biodegradation** The substance is readily biodegradable.**isobutane****Persistence and  
degradability** Not applicable.**Biodegradation** Water - Half-life 100: 6,9 days**propane****Phototransformation** Air - DT<sub>50</sub> : 1906 days**Biodegradation** Water - Degradation 100: 385.5 hours**2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether****Persistence and  
degradability** Not readily biodegradable.**Phototransformation** Air - Degradation 50: 3.6 hours**Biodegradation** Not inherently biodegradable.**12.3. Bioaccumulative potential****Bioaccumulative potential** No data available on bioaccumulation.**Partition coefficient** No information available.**Ecological information on ingredients.****butane****Bioaccumulative potential** The product does not contain any substances expected to be  
bioaccumulating. **Partition coefficient** log Pow: 2,89**isobutane****Bioaccumulative potential** Because of the low log kow, accumulation in organisms is not to be expected.

**SAFETY DATA SHEET**

Manufactured in the UK

Tox Maxx Flying Insect Killer

**Partition coefficient**

log Pow: ~ 2,76

**propane**

**Bioaccumulative potential** Because of the low log kow, accumulation in organisms is not to be expected. **Partition coefficient** log Pow: ~ 3

**permethrin (ISO)****Bioaccumulative potential** BCF: 3620,**12.4. Mobility in soil****Mobility**

The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

**Ecological information on ingredients.****butane****Mobility**

No data.

**isobutane****Mobility**

No data.

**propane****Mobility**

No data.

**12.5. Results of PBT and vPvB assessment****Ecological information on ingredients.****butane**

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

**1,3-dipropylcyclohexane; 2-methylundecane; undecane**

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

**isobutane**

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

**propane**

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

**2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether**

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

**permethrin (ISO)**



**SAFETY DATA SHEET**

Manufactured in the UK

**Tox Maxx Flying Insect Killer**

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

**12.6. Other adverse effects**

**Other adverse effects** None known.

**SECTION 13: Disposal considerations****13.1. Waste treatment****methods****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. Empty containers must not be punctured or incinerated because of the risk of an explosion. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**SECTION 14: Transport information****General**

For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.

**14.1. UN number**

**UN No. (ADR/RID)** 1950

**UN No. (IMDG)** 1950

**UN No. (ICAO)** 1950

**UN No. (ADN)** 1950

**14.2. UN proper shipping name**

**Proper shipping name (ADR/RID)** AEROSOLS

**Proper shipping name (IMDG)** AEROSOLS

**Proper shipping name (ICAO)** AEROSOLS

**Proper shipping name (ADN)** AEROSOLS

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

**ADR/RID class** 2.1

**ADR/RID classification code** 5F

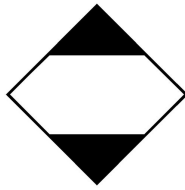
**ADR/RID label** 2.1

**IMDG class** 2.1

**ICAO class/division** 2.1

**ADN class** 2.1

**Transport labels**

**SAFETY DATA SHEET****Tox Maxx Flying Insect Killer****14.4. Packing group****14.5. Environmental hazards**

**Environmentally hazardous substance/marine pollutant**  
**No.**

**14.6. Special precautions for user**

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**EmS** F-D, S-U

**ADR transport category** 2

**Tunnel restriction code** (D)

**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**

<b>National regulations</b>	<p>Health and Safety at Work etc. Act 1974 (as amended).</p> <p>The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].</p> <p>EH40/2005 Workplace exposure limits.</p> <p>The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824).</p>
<b>EU legislation</b>	<p>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).</p> <p>Commission Regulation (EU) No 2015/830 of 28 May 2015.</p> <p>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).</p> <p>Council Directive of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers (75/324/EEC) (as amended).</p>

**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**

**SAFETY DATA SHEET**

Manufactured in the UK

**Tox Maxx Flying Insect Killer**

**Abbreviations and acronyms used in the safety data sheet**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.  
 RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.  
 IATA: International Air Transport Association.  
 ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.  
 IMDG: International Maritime Dangerous Goods.  
 CAS: Chemical Abstracts Service.  
 ATE: Acute Toxicity Estimate.  
 LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.  
 LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).  
 EC<sub>50</sub>: 50% of maximal Effective Concentration.  
 PBT: Persistent, Bioaccumulative and Toxic substance.  
 vPvB: Very Persistent and Very Bioaccumulative.

**Classification abbreviations** Aerosol = Aerosol

**and acronyms**

Aquatic Acute = Hazardous to the aquatic environment (acute)  
 Aquatic Chronic = Hazardous to the aquatic environment (chronic)

**Classification procedures according to Regulation (EC) 1272/2008** Aquatic Acute 1 - H400: Aquatic Chronic 1 - H410: : Calculation method. Aerosol 1 - H222, H229: : Expert judgement.

**Training advice**

Read and follow manufacturer's recommendations.

**Revision date**

06/08/2018

**Revision**

2

**Supersedes date**

11/04/2018

**SDS number**

4892

**Hazard statements in full**

H220 Extremely flammable gas.  
 H222 Extremely flammable aerosol.  
 H229 Pressurised container: may burst if heated.  
 H280 Contains gas under pressure; may explode if heated.  
 H302 Harmful if swallowed.  
 H304 May be fatal if swallowed and enters airways.  
 H317 May cause an allergic skin reaction.  
 H332 Harmful if inhaled.  
 H400 Very toxic to aquatic life.  
 H410 Very toxic to aquatic life with long lasting effects.  
 EUH208 Contains permethrin (ISO). May produce an allergic reaction.

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.