

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 Global 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)

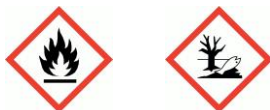
Physical hazards Aerosol 1 - H222, H229

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.

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

butane			10-30%
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.			
Classification		Classification (67/548/EEC or 1999/45/EC)	
Flam. Gas 1 - H220		F+; R12. Extremely flammable.	
Press. Gas (Liq.) - H280			
1,3-dipropylcyclohexane; 2-methylundecane; undecane			5-10%
CAS number: —	EC number: 926-141-6	REACH registration number: 012119456620-43-XXXX	
Classification			
Asp. Tox. 1 - H304			
isobutane			5-10%
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.			
Classification		Classification (67/548/EEC or 1999/45/EC)	
Flam. Gas 1 - H220		F+; R12. Extremely flammable.	
Press. Gas (Liq.) - H280			
propane			5-10%
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.			

Classification Flam. Gas 1 - H220 Press. Gas (Liq.) - H280		Classification (67/548/EEC or 1999/45/EC) F+; R12. Extremely flammable.
2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether		<1%
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	
Classification Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		
Tetramethrin		<1%
CAS number: 7696-12-0	EC number: 231-711-6	
M factor (Acute) = 10	M factor (Chronic) = 1	
Classification Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		
permethrin (ISO)		<1%
CAS number: 52645-53-1	EC number: 258-067-9	
M factor (Acute) = 1000	M factor (Chronic) = 1000	
Classification 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.

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

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

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.
Eye contact	May be slightly irritating to eyes. May cause discomfort.

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

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	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.
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

Specific hazards	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.
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	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.
Special protective equipment for firefighters	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

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. Do not touch or
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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

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/m³

Short-term exposure limit (15-minute): WEL 750 ppm 1810 mg/m³

isobutane

800ppm (TWA/TLV)

propane

TLV (ACGIH) - 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 LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) 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.

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 LD₅₀) Technically not feasible.

Acute toxicity - dermal

Notes (dermal LD₅₀) Technically not feasible.

Acute toxicity - inhalation

Acute toxicity inhalation 1,443.0
(LC₅₀ 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 LD₅₀) LD₅₀ >5000 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >2000 mg/kg, Dermal, Rat

Acute toxicity - inhalation

Notes (inhalation LC₅₀) LC50 >5000 mg/m³, Inhalation, Rat

Skin corrosion/irritation

Skin corrosion/irritation Not irritating.

Animal data Erythema/eschar score: Well defined erythema (2). Fully reversible within 14 days.

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 LD₅₀) Technically not feasible.

Acute toxicity - dermal

Notes (dermal LD₅₀) Technically not feasible.

Acute toxicity - inhalation

Acute toxicity inhalation 800,000.0
(LC₅₀ 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

Inhalation

Irregular cardiac activity.

propane**Acute toxicity - oral****Notes (oral LD₅₀)** Technically not feasible.**Acute toxicity - dermal****Notes (dermal LD₅₀)** Technically not feasible.**Acute toxicity - inhalation****Acute toxicity inhalation** 1,443.0**(LC₅₀ 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 (LD₅₀ mg/kg)** 5,630.0**Species** Rat**ATE oral (mg/kg)** 5,630.0**Acute toxicity - dermal**

Notes (dermal LD₅₀) LD₅₀ >2000 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

Notes (inhalation LC₅₀) 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 (LD₅₀ 4,640.0
mg/kg)

Species Rat

ATE oral (mg/kg) 4,640.0

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >2500 mg/kg, Dermal, Rat

Acute toxicity - inhalation

Notes (inhalation LC₅₀) LC50 >2500 mg/m³, 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 (LD₅₀ 383.0
mg/kg)

Species Rat

ATE oral (mg/kg) 383.0

Acute toxicity - dermal

Acute toxicity dermal 6,600.0
(LD₅₀ mg/kg)

Species Rat

ATE dermal (mg/kg) 6,600.0

Acute toxicity - inhalation

Notes (inhalation LC₅₀) 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 LC₅₀, 96 hours: 49.9 mg/l, Fish

Acute toxicity - aquatic invertebrates LC₅₀, 48 hours: 69.43 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 96 hours: 19.37 mg/l, Algae

1,3-dipropylcyclohexane; 2-methylundecane; undecane

Acute aquatic toxicity

Acute toxicity - fish LL₅₀, 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 LC₅₀, 96 hours: 49.9 mg/l, Fish

Acute toxicity - aquatic invertebrates LC₅₀, 48 hours: 69.43 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 96 hours: 19.37 mg/l, Algae

propane

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 49.9 mg/l, Fish

Acute toxicity - aquatic invertebrates LC₅₀, 48 hours: 69.43 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 96 hours: 19.37 mg/l, Algae

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

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 1

Acute toxicity - fish LC₅₀, 96 hours: 3.94 mg/l, Cyprinodon variegatus (Sheepshead minnow)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 1.007 mg/l, Daphnia magna

Chronic aquatic toxicity

NOEC 0.01 < NOEC ≤ 0.1

Degradability Non-rapidly degradable

M factor (Chronic) 1

Chronic toxicity - fish early life stage NOEC, 35 days: 0.18 mg/l, Pimephales promelas (Fat-head Minnow)

Tetramethrin

Acute aquatic toxicity

LE(C)₅₀ 0.01 < L(E)C₅₀ ≤ 0.1

M factor (Acute) 10

Chronic aquatic toxicity

NOEC 0.01 < NOEC ≤ 0.1

Degradability Non-rapidly degradable

M factor (Chronic) 1

permethrin (ISO)

Acute aquatic toxicity

M factor (Acute) 1000

Acute toxicity - fish LC₅₀, 96 hours: 0.016 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic EC₅₀, 48 hours: 0.32 mg/l, Daphnia magna

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 - DT₅₀ : 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 dayspropane**Phototransformation** Air - DT₅₀ : 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: 2,89isobutane**Bioaccumulative potential** Because of the low log kow, accumulation in organisms is not to be expected.

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 assessmentEcological 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)

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 AEROSOLS

(ADR/RID)

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

**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**

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"].
EU legislation	EH40/2005 Workplace exposure limits.
	The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824).
	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).
	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).

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

Manufactured in the UK

Tox Maxx Flying Insect Killer

Supersedes date: 11/04/2018

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.
 LC₅₀: Lethal Concentration to 50 % of a test population.
 LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).
 EC₅₀: 50% of maximal Effective Concentration.
 PBT: Persistent, Bioaccumulative and Toxic substance.
 vPvB: Very Persistent and Very Bioaccumulative.

Classification abbreviations and acronyms

Aerosol = Aerosol
 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.