

Conform to Regulation (EC) N°1907/2006 (REACH), Annex II as amended by Regulation (EU) N °453/2010

Product: Sanmex Fly & Wasp Killer 300ml, 400ml, 500ml

Date prepared: 19/04/2018

SAFETY DATA SHEET

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

1.1. Product Identification

Product name **SANMEX FLY & WASP KILLER 300ml, 400ml, 500ml.**
HSE number 4006

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

Product use: Insecticide

1.3. Details of the supplier of the mixture

Manufacture/Supplier: Barony Universal Products Plc
 5 Riverside Way
 Riverside Business Park
 Irvine
 Ayrshire
 KA11 5DJ
 info@baronyuniversal.com

1.4 Emergency telephone number

UK Telephone no: 0800 032 5575 (8.30-17.00, UK time)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No.1272/2008 {CLP/GHS}	
Hazard classes/Hazard categories	Hazard Statement
Extremely flammable aerosol	H222
Pressurised container: May burst if heated.	H229
Very toxic to aquatic life with long lasting effects	H410

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2.2 Label Elements

Labelling according to CLP (EU) N°1272/2008

Hazard pictogram(s):



Signal word: Danger

Hazard statements: H222 Extremely flammable aerosol
H410 Very toxic to aquatic life with long lasting effects
H229 Pressurised container: May burst if heated.

Precautionary statement

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use.
Protect from sunlight. Do not expose to temperatures exceeding 50°C. Do not spray on an open flame or other ignition source. Do not breathe spray Keep out of reach of children.

2.2 Other hazards:

No data available

SECTION 3. COMPOSITION /INFORMATION ON INGREDIENTS

3.1 Substances:

Not applicable, product is a mixture.

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3.1 Mixtures:

Hazardous components

<u>Chemical name</u>	<u>CAS N° EC N°</u>	<u>% [weight]</u>	<u>Classification Regulation (EC) N° 1272/2008</u>	<u>REACH registration N°</u>
Butane	106-97-8 203-448-7	10-30	Flam. Gas 1, H220 Press. Gas, H280	Exempt
Isobutane	75-28-5 200-857-2	5-15	Flam. Gas 1, H220 Press. Gas, H280	Exempt
Propane	74-98-6 200-827-9	5-15	Flam. Gas 1, H220 Press. Gas, H280	Exempt
Odourless Kerosene	64742-47-8 265-149-8	5-15	Aspiration Toxicity 1 - H304	01-2119457610-43- xxxx
Tetramethrin	7696-12-0 231-711-6	Less than 1	Acute aquatic toxicity (Category 1) Chronic aquatic toxicity (Category 1) - H410	
Permethrin	52645-53-1 258-067-9	Less than 1	Acute Toxicity. 4 - H332; Acute Toxicity. 4 - H302; Skin sensitivity 1-H317; Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410	
Piperonyl Butoxide	51-03-6 200-076-7	Less than 1	Acute aquatic toxicity (Category 1) Chronic aquatic toxicity (Category 1) - H410	
Sodium Nitrite	7632-00-0 231-555-9	Less than 1	Oxidising Solids Cat 3 H272, Acute Tox Cat 3 H301, Serious Eye damage Cat 2 H319, Acute Aquatic Tox Cat 1 H400.	01-2119471836-27

There are no additional ingredients present which, with the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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SECTION 4. FIRST AID MEASURES

4.1 Description of First Aid Measures

Inhalation	Remove patient from exposure to fresh air, rest and keep warm in a position comfortable for breathing. If breathing has stopped, apply artificial respiration. Seek medical advice if symptoms persist
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Skin Contact	Flush immediately with plenty of water, seek medical advice if Irritation persists. Remove any contaminated clothing, shoes, jewellery and wash before reuse.
Ingestion	Wash out mouth with water. Do not induce vomiting. If patient is conscious, give water to drink. Seek medical advice if symptoms persist.
Protection of first-aiders:	No action shall be taken involving any personal risk or without suitable training. Wear suitable protective clothing, gloves and eye protection

4.2 Most important symptoms/effects, acute & delayed

Potential acute health effects

Eye contact:	May cause eye irritation
Inhalation:	Vapours may cause drowsiness and dizziness. Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.
Skin contact:	May cause skin dryness and irritation
Ingestion:	Harmful if swallowed

4.3 Indication of any immediate medical attention and special treatment needed

See section 4.1 for further information

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media :

Suitable extinguishing media: CO₂, foam, dry chemical or skilled use of water spray.

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Unsuitable extinguishing: Do not use water jet.
Media

5.2 Special hazards arising from the substance or mixture

Hazard from the substance or mixture : Flammable aerosol. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Bursting aerosol containers may be propelled from a fire at high speed.

Special Exposure Hazards: Beware of exploding cans.

5.3 Advice for fire fighters:

Extremely-Flammable product. Container liable to explode if subjected to extreme temperatures >50°C. Protective Equipment for Fire-fighters: Self-contained breathing apparatus and protective clothing. Standard procedure for chemical fires. Prevent fire-fighting water entering water courses or ground water.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel Evacuate surrounding areas.

Remove all ignition sources. Ensure adequate ventilation.
Wear appropriate personal protective equipment. See personal protective equipment in section 8.

6.1.2 For emergency responders: See the information “for non-emergency personnel
See personal protective equipment in section 8.

Large spills/enclosed spaces: a self-contained breathing apparatus is recommended. Monitor area with combustible gas meter if necessary.

**6.2 Environmental:
Precautions**

Avoid dispersal of spilt material and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil and air)

6.3 Method and materials for containment and clean up

Small spill: Stop leak if without risk. Move containers from spill area.
Dilute with water and mop up if water-soluble.

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Large spill:

Stop leak without risk. Move containers from spill area. Approach the release from upwind. Prevent entry to sewers, water courses, basements or confined areas. Absorb spillage with non-combustible, absorbent material e.g sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.

6.4 Reference to other Sections

See section 13.

SECTION 7. HANDLING AND STORAGE

The information in this section contains generic advice and guidance.

7.1 Precautions for safe handling protective measures

Put on appropriate personal protective equipment (see section 8). Wear appropriate respirator when ventilation is inadequate. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing gas, vapour or mist. Use only with adequate ventilation.

Do not pierce or burn, even after use. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous.

7.2 Conditions for safe Storage, including any incompatibilities

Pressurised container: protect from sunlight and do not exposure to temperature exceeding 50°C
Store away from direct sunlight in a dry ,cool, and well-ventilated area, away from incompatible materials (see section 10), food and drink. Store and use away from heat, sparks, open flame or any other ignition source. Use appropriate containment to avoid environmental contamination

7.3 Specific end uses: Recommendations Industrial sector specific solutions

Not available

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational exposure limits

Limit value UK

Biological Exposure Index (BEI): No biological limit allocated.

Derived No Effect Levels (DNEL):

General population

Odourless Kerosene

Effect level (DNEL/ DMEL)	Type	Value
DNEL (Consumer)	Acute local effects inhalation	Not Applicable
	Long-term systemic effects dermal	Not applicable
	Long-term systemic effects oral	18.8 mg/kg bw/day

Tetramethrin

Effect level (DNEL/ DMEL)	Type	Value
DNEL (Consumer)	Acute local effects inhalation	No data
	Long-term systemic effects dermal	No data
	Long-term systemic effects oral	No data

Permethrin

Effect level (DNEL/ DMEL)	Type	Value
DNEL (Consumer)	Acute local effects inhalation	No data
	Long-term systemic effects dermal	No data
	Long-term systemic effects oral	No data

Piperonyl Butoxide

Effect level (DNEL/ DMEL)	Type	Value
DNEL (Consumer)	Acute local effects inhalation	No data
	Long-term systemic effects dermal	No data
	Long-term systemic effects oral	No data

PNEC related information:

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8.2 Exposure controls

Use only as directed on the can. Avoid contact with the skin and eyes. Wash hands after use. For indoor use only. Do not breathe spray mist. Do not contaminate foodstuffs, eating utensils or food contact surfaces. Keep in a safe place, out of the reach of children. Cover all water tanks before use.

Personal protective equipment

Respiratory protection Personal protective equipment

Respiratory protection

Advice: In case of insufficient ventilation, wear suitable respiratory equipment. Filter type A for organic gases and vapors.

Hand protection

Advice: Wear suitable gloves. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. The glove material has to be impermeable and resistant to the product / the substance / the preparation. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Material : Nitrile rubber

Break through time \geq 8 h

Glove thickness : 0.5 mm

Eye protection

Advice: Tightly fitting safety goggles

Skin and body protection

Advice: impervious clothing

Environmental exposure controls

General advice: Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance

Physical Form:	Aerosol Container/Spray
Colour:	N/A
Odour:	Characteristic
Odour threshold	N/A
pH	6 - 8
Melting Point/freezing point:	N/A
Boiling Point:	N/A
Flash Point:	< - 60 °C (Propellant)
Evaporation rate	N/A
Flammability:	Extremely flammable
Vapour Pressure:	4 bar at 25 C
Vapour density	N/A
Density:	0.95 – 1.00 g/ml
Water Solubility:	Not determined
Other Solubility:	Not determined
Partition Coefficient:	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	N/A
Explosive properties	N/A
Oxidising properties	N/A

9.2 Other information

Other information N/A

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable product under recommended storage and handling conditions.

10.2 Chemical stability

Stable product under recommended storage and handling conditions.

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

Avoid all possible source of ignition (spark or flame), high temperature

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10.5 Incompatible materials	Oxidising agents
10.6 Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition will not occur
Thermal decomposition:	Stable under normal conditions.
Conditions to avoid:	High temperature, sparks, naked flame.

SECTION 11. Toxicological information

Acute toxicity : based on available data, the classification criteria are not met

Irritation : May irritate sensitive skin

Corrosivity : based on available data, the classification criteria are not met

Sensitisation : based on available data, the classification criteria are not met

Repeated dose toxicity: based on available data, the classification criteria are not met

Carcinogenicity: based on available data, the classification criteria are not met

Mutagenicity : based on available data, the classification criteria are not met

Toxicity for reproduction: based on available data, the classification criteria are not met

Classification of the mixture is based on the relevant ingredient of the mixture

SECTION 12. Ecological information

12.1 Toxicity

Toxic to fish and other aquatic life. Remove or cover fish tanks and bowls. This product contains substances which are known to be hazardous to the environment. Do not contaminate ground, waterbodies or watercourses with chemicals or used container. Hazardous to bees.

12.2 Persistence & Degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility

No data available

12.5 Results of PBT and vPvB assessment.

No data available

12.6 Other adverse environmental effects

N/A

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SECTION 13. Disposal Conditions

13.1 Waste treatments methods

Dispose of in accordance with local regulations. Waste products is considered as hazardous waste and disposed via licences operator. European Waste Catalogue Index 150111 (empty container) 1602504 (full container)

SECTION 14. Transport Information

	Land transport (ADR/RID)	Air transport IATA
14.1 UN n°	UN1950	UN1950
14.2 UN proper shipping name	Aerosols	Aerosols, Flammable
14.3 Transport hazard classes	Class 2.1	Class 2.1
14.3 Packing group	None	None
14.5 Environmental hazards	Refer to section 2	Refer to section 2

14.6 Special precautions for user

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 substances or mixture

CLP n 1272/2008

Aerosol Dispenser Directive 2013/10/EU

Control of Pesticides Regulations 1986 (COPR) (as amended 1997).

SECTION 16. Other Information

Revision comment

Version 11.0