

1. Identification of the preparation and the supplying Company

1.1 Killgerm Wasp Nest Destroyer Foam Aerosol

1.2 An insecticidal foaming spray for killing wasps in the nest.

1.3 Killgerm Chemicals Ltd, Wakefield Road, Ossett, West Yorkshire, WF5 9AJ.

Tel: +44 (0)1924 268450 Fax: (0)1924 265033 Email: technical@Killgerm.com

1.4 Emergency telephones. National Poisons Information Service 0870 600 6266 (for professional medical personnel only), NHS 24 service 111 (for non-professionals), National Poisons Information Centre 01-8092166 (Ireland Only)

Killgerm Chemicals Ltd, 01924 268452 (Office hours)

2. Hazards identification

2.1. Classification of the substance or mixture

Physical hazards

Aerosol 1 - H222, H229

Health hazards

Elicitation - EUH208

Environmental hazards

Aquatic Acute 1 - H400 Aquatic Chronic 3 - H412

Classification (67/548/EEC or 1999/45/EC)

F+; R12. N; R50/53.

2.2. Label elements

Hazard statements

H222 Extremely flammable aerosol.

H229 Pressurised container: may burst if heated

H400 Very toxic to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

EUH208 Contains. May produce an allergic reaction.

Precautionary statements

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.

P391 Collect spillage.

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.

2.3. Other hazard

3. Composition and information on ingredients

3.2. Mixtures

Hazardous Components in Product

Ingredient Name	Classification	Concentration	R Phrases	H Phrases
HYDROCARBON PROPELLANT CAS-No.: 68476-85-7	Classification Flam. Gas 1 Press. Gas, Liquefied – Classification	5-10%	R12	H220 H280

EC No.: 270-704-2	(67/548/EEC or 1999/45/EC) - F+			
HYDROCARBONS, C10, aromatics, <1% naphthalene EC number: 918-811-1	Classification STOT SE 3 Aquatic Chronic 2 Asp. Tox. 1 Classification (67/548/EEC or 1999/45/EC) Xn N	1-5%	R65 R66,R67 R51/53	H336 H411 H304
HYDROCARBONS, C11-14, n-alkanes, cyclic, <2% aromatics EC number: 926-141-6	Classification Asp. Tox. 1 Classification (67/548/EEC or 1999/45/EC) Xn	<1%	R65. R66.	H304
PERMETHRIN CAS number: 52645- 53-1 EC number: 258- 067-9 M factor (Acute) = 100	Classification Acute Tox. 4 Acute Tox. 4 Acute Tox. 3 Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1 Classification (67/548/EEC or 1999/45/EC) Xn N	<1%	R20/22 R43 R50/53	H410 H400 H317 H331 H312 H302
SODIUM HYDROXIDE CAS number: 1310- 73-2 EC number: 215- 185-5	Classification Met. Corr. 1 - Skin Corr. 1A - Classification (67/548/EEC or 1999/45/EC) C	<1%	R35	H314 H290

See section 16 for full text of R-phrases, H phrases and hazard classification of ingredients.

4. First Aid measures

4.1. Description of first aid measures

Ingestion (swallowing): Rinse mouth thoroughly with water. Get medical attention if any discomfort continues

Inhalation: Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues

Skin contact: Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye contact: Rinse immediately with plenty of water. Get medical attention if any discomfort continues.

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

Vapours may cause drowsiness and dizziness.

Ingestion

May cause discomfort if swallowed.

Skin contact

Prolonged contact may cause redness, irritation and dry skin.

Eye contact

Irritation of eyes and mucous membranes.

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

Notes for the doctor **Treat symptomatically.**

5. Fire-fighting measures

5.1. Extinguishing media: Suitable extinguishing media extinguish with foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture: Containers can burst violently or explode when heated, due to excessive pressure build-up. Vapours may ignite. Fire or high temperatures create: Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3. Advice for fire-fighters: No specific firefighting precautions known.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures: No smoking, sparks, flames or other sources of ignition near spillage.

6.2. Environmental precautions: Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up: Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb spillage with inert, damp, non-combustible material. Flush contaminated area with plenty of water.

6.4. Reference to other sections: For personal protection, see section 8.

7. Handling and storage

7.1. Precautions for safe handling: Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities: Keep away from heat, sparks and open flame. Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C. Store at moderate temperatures in dry, well-ventilated area.

7.3. Specific end use(s): The identified uses for this product are detailed in Section 1.2.

8. Exposure controls and personal protection**8.1. Control parameters:****Occupational exposure limits****HYDROCARBON PROPELLANT**

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m³

Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m³

Hydrocarbons, C₁₀, aromatics, <1% naphthalene

Long-term exposure limit (8-hour TWA): WEL 70 ppm 500 mg/m³

Short-term exposure limit (15-minute): WEL 10 ppm 53 mg/m³

Hydrocarbons, C₁₁₋₁₄, n-alkanes, cyclic, <2% aromatics

Long-term exposure limit (8-hour TWA): WEL 1000 mg/m³

SODIUM HYDROXIDE

Long-term exposure limit (8-hour TWA): WEL

Short-term exposure limit (15-minute): WEL 2 mg/m³

WEL = Workplace Exposure Limit
 Hydrocarbons, C10, aromatics, <1% naphthalene
 DNEL Industry - Dermal; Long term local effects: 12.5 mg/kg/day
 Industry - Inhalation; Long term local effects: 151 mg/m³
 Consumer - Dermal; Long term local effects: 7.5 mg/kg/day
 Consumer - Inhalation; Long term local effects: 32 mg/m³
 Consumer - Oral; Long term local effects: 7.5 mg/kg/day

SODIUM NITRITE (CAS: 7632-00-0)

DNEL Industry - Inhalation; Short term systemic effects: 2 mg/m³
 Industry - Inhalation; Long term systemic effects: 2 mg/m³
 PNEC - Fresh water; .0054 mg/l
 - Sediment (Freshwater); .0195 mg/kg
 - Intermittent release; .0054 mg/l
 - Sediment (Marine water); .0223 mg/kg
 - Marine water; .00616 mg/l
 - STP; 21 mg/l
 - Soil; .000733 mg/kg
 Tetra sodium ethylene diaminetetra acetate (CAS: 64-02-8)
 DNEL Industry - Inhalation; : 2.8 mg/m³
 Consumer - Inhalation; : 1.7 mg/m³
 Consumer - Oral; : 28.0 mg/kg/day
 PNEC - Fresh water; 2.8 mg/l
 - Marine water; 0.28 mg/l
 - Intermittent release; 1.6 mg/l
 - STP; 57 mg/l
 - Soil; 0.95 mg/l

SODIUM LAUROYL SARCOSINATE (CAS: 137-16-6)

DNEL Consumer - Dermal; : 0.34 mg/kg/day
 Industry - Dermal; : 3.43 mg/kg/day
 Professional - Dermal; : 3.43 mg/kg/day
 Consumer - Inhalation; : 0.01 mg/m³
 Industry - Inhalation; : 0.1 mg/m³
 Professional - Inhalation; : 0.5 mg/m³
 PNEC Consumer - Fresh water; 0.0297 mg/l
 Consumer - Marine water; 0.003 mg/l
 Consumer - Soil; 0.012 mg/kg
 Consumer - STP; >10 mg/l
 Consumer - Sediment (Freshwater); 0.034 mg/kg
 Consumer - Sediment (Marine water); 0.0034 mg/kg

SODIUM HYDROXIDE (CAS: 1310-73-2)

DNEL Industry - Inhalation; Long term local effects: 1.0 mg/m³

8.2. Exposure controls

Where exposure may occur engineering controls should be employed. A risk assessment should be carried out and the following PPE may be appropriate /required

PPE	ITEM IN USE	SPILLAGE
Respirators	Half mask to EN140 plus AP class filter to EN141 to required protection factor , if required	Full face mask to EN136 plus AP class filter to EN141 to required protection factor
Gloves	Nitrile to EN374	Nitrile to EN374
Overall	Coverall type 5/6 if required	Coverall type 5/6

Goggles/ Face shield	Goggles to EN 166 if required	
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9. Physical and chemical properties

9.1. General information

Appearance: Aerosol. White/off-white.

Odour: Mild

pH: not appropriate

Density: Not available

Flammability:

Boiling point/boiling range: Not available

Vapour density: Not available

Vapour pressure: Not available

Melting point/freezing point: Not available

Solubility in water: Soluble in water

Solubility in other solvents: Not available

Explosive properties: Not available

Combustibility: Not available

Oxidising properties: Not available

Evaporation rate: Not available

Partition coefficient: Not available

Decomposition temp: Not available

Auto-ignition temp: Not available

10. Stability and reactivity

10.1. Reactivity: There are no known reactivity hazards associated with this product.

10.2. Chemical stability: Stable at normal ambient temperatures and when used as recommended

10.3. Possibility of hazardous reactions: Not determined.

10.4. Conditions to avoid: Avoid heat, flames and other sources of ignition

10.5. Incompatible materials: No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products: Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO₂). Carbon monoxide (CO).

11. Toxicological information

11.1 Information on toxicological effects : Acute toxicity - inhalation

ATE inhalation (vapours mg/l)

1546.0

Inhalation

Vapours may cause drowsiness and dizziness.

Ingestion

Gastrointestinal symptoms, including upset stomach.

Skin contact

Repeated exposure may cause skin dryness or cracking.

Eye contact

Irritation of eyes and mucous membranes.

11.2 Other data: see section 2.3

12. Ecological information

12.1. Toxicity: Acute toxicity - fish

Not determined.

12.2. Persistence and degradability: The product is expected to be biodegradable.

12.3. Bio accumulative potential: The product does not contain any substances expected to be bio accumulating.

12.4. Mobility in soil: The product is soluble in water.

12.5. 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: Not determined.

13. Disposal considerations

13.1. Waste treatment methods

14. Transport information

14.1. UN number:

UN No. (ADR/RID/ADN) 1950

UN No. (IMDG) 1950

UN No. (ICAO) 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) :

IMDG class 2.1

ICAO class/division 2.1

Transport labels

14.4. Packing group: ADR/RID packing group 5F

14.5. Environmental hazards: Environmentally Hazardous Substance/Marine Pollutant

14.6. Special precautions for user: Tunnel Restriction Code (D)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: No information required.

15. Regulatory information

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

National regulations

Control of Substances Hazardous to Health Regulations 2002 (as amended).

EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the

Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Guidance: Workplace Exposure Limits EH40.

15.2. Chemical safety assessment: Advice on product handling can be found in sections 7 and 8.

16. Other information

This data sheet does not constitute a COSHH assessment.

The information contained within this data sheet is strictly for general guidance only and should not be relied upon over and above this. This data sheet is intended to provide general health and safety guidance on the handling, storage and transportation of the preparation. The information provided in this data sheet is accurate at the date of publication and will be updated as and when appropriate. No liability will be accepted by Killgerm Chemicals Limited for any loss, injury or damage arising from any failure to comply with the information and advice contained within this data sheet and/or failure to comply with the manufacturer's guidelines, product label data and any associated technical usage literature.

R8 Contact with combustible material may cause fire.

R12 Extremely flammable.

R20/22 Harmful by inhalation and if swallowed.

R22 Harmful if swallowed.

R23 Toxic by inhalation.

R25 Toxic if swallowed.

R35 Causes severe burns.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R43 May cause sensitisation by skin contact.

R50 Very toxic to aquatic organisms.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R51/53 Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

NC Not classified.

Hazard statements in full

EUH208 Contains. May produce an allergic reaction.

H222 Extremely flammable aerosol.

H229 Pressurised container: may burst if heated

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H331 Toxic if inhaled.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.