



MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier:

ZER904 – Zero In Wasp Nest Killer Foam – 300ml

1.2 Relevant uses of the substance or mixture and uses advised against:

1.3 Details of the supplier of the safety data sheet:

Supplier: STV International Limited
Forge House
Little Cressingham
Thetford
Norfolk
IP25 6ND

1.4 Emergency phone number: +44 (0) 1953 881 580

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (1999/45/EEC) F+;R12. N;R50/53.

2.2 Label Elements



Extremely flammable



Dangerous for the environment

STV International Ltd
Forge House, Little Cressingham, Thetford, Norfolk IP25 6ND
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Risk Phrases:	R12	Extremely flammable.
	R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety Phrases	A1	Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
	A2	Do not spray on a naked flame or any incandescent material
	S2	Keep out of the reach of children.
	S9	Keep container in a well-ventilated place.
	S16	Keep away from sources of ignition - No smoking.
	S23	Do not breathe vapour/spray
	S29	Do not empty into drains.
	S35	This material and its container must be disposed of in a safe way
	S51	Use only in well-ventilated areas.
	P14	Contains PERMETHRIN. May produce an allergic reaction

2.3 Other Hazards

No other hazard information available

3.COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Hazardous components:

HYDROCARBON PROPELLANT		5-10%
CAS-No.: 68476-85-7	EC No.: 270-704-2	
Classification (EC 1272/2008) Flam. Gas 1 - H220	Classification (67/548/EEC) F+;R12.	
SOLVENT NAPHTHA HEAVY AROMATIC		1-5%
CAS-No.: 64742-94-5	EC No.: 265-198-5	
Classification (EC 1272/2008) EUH066 Asp. Tox. 1 – H304 Aquatic Chronic 3 – H412	Classification (67/548/EEC) Xn;R65. R66,R52/53.	

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PERMETHRIN		0-1% w/w
CAS-No.: 52645-53-1	EC No.: 258-067-9	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) Xn;R20/22 R43 N;R50/53	

TETRAMETHRIN		0-1% w/w
CAS-No.: 7696-12-0	EC No.: 231-711-6	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) N;R50/53.	

SODIUM HYDROXIDE		0-1%
CAS-No.: 1310-73-2	EC No.: 215-185-5	Registration Number: 01-2119457892-27
Classification (EC 1272/2008) Skin Corr. 1A - H314	Classification (67/548/EEC) C;R35	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

4.FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation

Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

Ingestion

Rinse mouth thoroughly. Get medical attention if any discomfort continues.

Skin contact

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Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing

Eye contact

Rinse the eye with water immediately. 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

Due to the physical nature of this material it is unlikely that swallowing will occur.

Eye contact

Irritation of eyes and mucous membranes.

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

5.FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Extinguishing media

Extinguish with foam, carbon dioxide or dry powder.

5.2 Special Hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards

Aerosol cans may explode in a fire. Vapors may ignite

5.3 Advice for fire-fighters

Special Fire Fighting Procedures

Use water to keep fire exposed containers cool and disperse vapours.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Do not smoke, use open fire or other sources of ignition

6.2 Environmental Precautions

Do not discharge into water courses or onto the ground.



6.3 Methods and material for containment and cleaning up

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb with inert, damp, non-combustible material, then flush area with water.

6.4 Reference to other sections

For personal protection, see section 8.

7. HANDLING AND STORAGE

7.1 Precaution for safe handling

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact.

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 areas.

7.3 Specific end use(s)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

	<u>STD</u>	<u>TWA - 8 Hrs</u>	<u>STEL -15 Min</u>	<u>Notes</u>
HYDROCARBON PROPELLANT	WEL	600 ppm 1430 mg/m3	750 ppm 1780 mg/m3	
SODIUM HYDROXIDE	WEL		2 mg/m3	
SOLVENT NAPHTHA HEAVY AROMATIC		1000 mg/m3		

WEL = Workplace Exposure Limit.

8.2 Exposure controls

Protective equipment



Engineering measures

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No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.

Hand protection

Suitable protective gloves required for prolonged or repeated contact. Use protective gloves made of: Rubber, neoprene or PVC.

Eye protection

Wear approved chemical safety goggles where eye exposure is reasonably probable.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance Aerosol.

9.2 Other Information

No information required.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No specific reactivity hazards associated with this product.

10.2 Chemical Stability

Stable under normal temperature conditions and recommended use.

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

Materials To Avoid

No incompatible groups noted.

10.6 Hazardous decomposition products

Fire or high temperatures create: Carbon dioxide (CO₂). Carbon monoxide (CO).



11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

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

12. ECOLOGICAL INFORMATION

The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

12.1 Toxicity

Acute Toxicity – Fish

Not Determined

12.2 Persistence and degradability

Degradability

There are no data on the degradability of this product.

12.3 Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

12.4 Mobility in soil

The product is soluble in water

12.5 Results of PBT and vPvB

12.6 Other adverse effects

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13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Dispose of waste and residues in accordance with local authority requirements.

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 AEROSOLS

14.3 Transport hazard class(es):

ADR/RID/ADN Class	Class 2.1: Flammable gases.
IMDG Class	2
ICAO Class/Division	2

Transport Labels:



14.4 Packing group:

Not applicable.

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 MARPOL 73/78 and the IBC code

No information required.

15. REGULATORY INFORMATION

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

Statutory Instruments
Control of Substances Hazardous to Health.
Guidance Notes
Workplace Exposure Limits EH40.
EU Legislation
Dangerous Preparations Directive 1999/45/EC.

15.2 Chemical Safety Assessment

16. OTHER INFORMATION

Revision Date 25/07/12
Revision 2

Risk Phrases In Full

R35	Causes severe burns
R12	Extremely flammable
R20/22	Harmful by inhalation and if swallowed
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65	Harmful: may cause lung damage if swallowed.
R43	May cause sensitization by skin contact
R66	Repeated exposure may cause skin dryness or cracking.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements In Full

H314	Causes severe skin burns and eye damage
H220	Extremely flammable gas.
H332	Harmful if inhaled.
H302	Harmful if swallowed.
H400	Very toxic to aquatic life.

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H412	Harmful to aquatic life with long lasting effects
H317	May cause an allergic skin reaction.
H304	May be fatal if swallowed and enters airways.
EUH066	Repeated exposure may cause skin dryness or cracking.
H410	Very toxic to aquatic life with long lasting effects.

MSDS information: Use only in accordance with label instructions. The information contained in this data sheet does not constitute the user's own assessment of workplace risks as required by legislation. The information in this data sheet should be considered when undertaking a risk assessment under the COSHH regulations. 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 storage and transportation of the preparation. The information 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 STV International 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. This Material Safety data sheet is compiled using data submitted for raw materials and practical experience. This product is intended for amateur users only. This Safety Data Sheet is prepared in compliance with Directive 1999/45/EC and Annex II of the REACH regulation 1097 of 2006.

Disclaimer

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.

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