



SAFETY DATA SHEET

Conforms to Regulation EC 1907/2006 (REACH) as amended by
Regulation (EU) 2015/830

ZER986 – ZERO IN CARPET BEETLE & MOTH KILLER POWDER

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

1.1. Product identifier

Zero In Carpet Beetle & Moth Killer Powder

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

For use as an insecticide

1.3. Details of the supplier of the safety data sheet

STV International Ltd
Forge House
Little Cressingham
Watton
Thetford
Norfolk
IP25 6ND

+ 44 (0) 1953 881 580 (Office hours only)
info@stvpestcontrol.com

1.4. Emergency telephone number

For product information, contact STV International Ltd on the telephone number stated in section 1.3.

In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department.

For urgent medical advice, call the NHS Helpline on 111 (England, Scotland & Wales).
For medical emergencies, dial 999 (UK & Ireland) or 112 from any EU country.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification in accordance with Regulation (EC) 1272/2008

Aquatic Acute 1; H400
Aquatic Chronic 1; H410

2.2. Label elements

Hazard Pictogram

GHS09



Signal Word

Warning

Hazard Statements

H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P273 Avoid release to the environment.

P280 Wear protective gloves.

P391 Collect spillage.

P501 Dispose of contents/ container in accordance with national regulations.

Other labelling required under Regulation (EC) 1272/2008

EUH208 Contains Chrysanthemum Cinerariaefolium extract. May produce an allergic reaction.

2.3. Other hazards

None

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance Name	CAS Number	EC Number	Classification (1272/2008)	Concentration (%)
Piperonyl Butoxide	51-03-6	200-076-7	Aquatic Acute 1; H400 M factor Acute = 1 Aquatic Chronic 1; H410 M factor Chronic = 1	1-5%
Pale Refined Pyrethrins (50%)			Acute Tox. 4; H302 Acute Tox. 4; H332 Skin Sens. 1; H317 Asp. Tox. 1; H304 Aquatic Acute 1; H400 M factor Acute = 100 Aquatic Chronic 1; H410 M factor Chronic = 100	<1%
Butylated Hydroxy Toluene (Lonol CP)	128-37-0		Aquatic Acute 1; H400 M factor Acute = 10 Aquatic Chronic 1; H410 M factor Chronic = 10	<1%

For full text of hazard statements, see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

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.

Skin

Rinse with water.

Eyes

Remove any contact lenses and open eyelids wide apart. Rinse with water. Get medical attention if any discomfort continues.

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.

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

This product is not classified as hazardous to health, therefore no specific symptoms are noted. However, if eye, skin or respiratory irritation persists, or if you are feeling unwell after exposure to the product, seek medical advice.

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

This product is not classified as hazardous to health, therefore no specific treatment is noted. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

The product is not 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

None known. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

5.3. Advice for firefighters

Use appropriate personal protective equipment to protect skin, eyes and face. Use suitable breathing apparatus to avoid inhalation of dust and hazardous fumes.

Run-off from firefighting waters should be contained to avoid release to the environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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 walk into spilled material.

6.2. 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

Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Collect spillage with a shovel and broom, or similar and reuse, if possible. Collect and place in suitable waste disposal containers and seal securely. 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

See section 8 for personal protective equipment.

See section 13 for disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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.

Keep container tightly sealed when not in use. Avoid discharge to the aquatic environment.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly-closed, original container in a dry and cool place. Keep separate from food, feedstuffs, fertilisers and other sensitive material.

7.3. Specific end use(s)

For use as an insecticide.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

TALC

Magnesium Carbonate TWA – 8hrs: 4 mg/m³ respirable dust; 10 mg/m³ total dust

Magnesium Silicate TWA – 8hrs: 1 mg/m³

SIPERNAT 50 S

TLVs ACGI 10mg/m³ UK EH40/95 3mg/m³ respirable dust, 8 h oes, 6mg/m³ total dust oes.

8.2. Exposure controls

Engineering controls

Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

Hand protection

Wear protective gloves.

Respiratory protection

Ensure adequate ventilation. If ventilation is inadequate, suitable respiratory protection must be worn.

Environmental exposure controls

Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: Grey dusty powder

Odour: No characteristic odour

Odour threshold: Information not available

pH: Information not available

Melting point/freezing point: Information not available

Initial boiling point and boiling range: Information not available

Flash point: Information not available

Evaporation rate: Information not available

Flammability: Information not available

Upper/lower flammability or explosive limits: Information not available

Vapour pressure: Information not available

Vapour density: Information not available

Relative density: Information not available

Solubility(ies): Slightly soluble in water

Partition coefficient: n-octanol/water: Information not available

Auto-ignition temperature: Information not available

Decomposition temperature: Information not available

Viscosity: Information not available

Explosive properties: Information not available

Oxidising properties: Information not available

9.2. Other information

None

SECTION 10: Stability and reactivity

10.1. Reactivity

See the other subsections of this section for further details.

10.2. Chemical stability

Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

No potentially hazardous reactions known.

10.4. Conditions to avoid

There are no known conditions that are likely to result in a hazardous situation.

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

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicity of product

Acute toxicity:	Based on available data the classification criteria are not met.
Skin corrosion/irritation:	Product is not classified as causing skin corrosion or irritation.
Serious eye damage/irritation:	Product is not classified as causing serious eye damage or irritation
Respiratory or skin sensitisation:	Product is not classified as causing skin sensitisation.
Germ cell mutagenicity:	Based on available data the classification criteria are not met.
Carcinogenicity:	Based on available data the classification criteria are not met.
Reproductive toxicity:	No information specified.
STOT-single exposure:	No information specified.
STOT-repeated exposure:	No information specified.
Aspiration hazard:	No information specified.

Toxicity of ingredients

Pyrethrins: LD50 rat (oral) 900-2000 mg/kg. LD50 rat (dermal) >1500 mg/kg.

Piperonyl Butoxide: LD50 rat (oral) 7500 mg/kg.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity of product

The product is very toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

The degradability of the product is not known.

12.3. Bioaccumulative potential

Information not available

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

Information not available

12.6. Other adverse effects

Information not available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods

This material and its container must be disposed of in a safe way. Dispose of in accordance with applicable regional, national, and local laws and regulations.

Dispose of contaminated packaging as unused product unless fully cleaned.

Do not empty into drains.

SECTION 14: Transport information

14.1. UN number

3077

14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS Chrysanthemum cinerariaefolium extract, Piperonyl Butoxide and Butylated Hydroxy toluene)

14.3. Transport hazard class(es)

9

14.4. Packing group

III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS	F-A, S-F
ADR transport category	3
Emergency Action Code	2Z
Hazard Identification Number (ADR/RID)	90
Tunnel restriction code	(-)

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

This mixture has been classified in accordance with Regulation (EC) 1272/2008.

This product is authorised in accordance with the Control of Pesticides Regulations 1986 (as amended).

This product is subject to The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009.

This safety data sheet has been compiled in accordance with Regulation (EC) 1906/2006 as amended by Regulation (EU) 2015/830.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms

PBT - Persistent, Bioaccumulative and Toxic

vPvB - Very persistent and very Bioaccumulative

Full text of hazard statements listed in section 3

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.

Comments

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 Ltd 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.