



SAFETY DATA SHEET

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

ZER436 ZER426 – Zero In Moth Balls

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

1.1. Product identifier

Zero In Moth Balls

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.

Environmental agency emergency phone number 0800 807060.

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

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

Other labelling required under Regulation (EC) 1272/2008

None.

2.3. Other hazards

This mixture does not meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) 1907/2006.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical Name	CAS/EC No	Classification in accordance with Regulation (EC) 1272/2008	Conc [%]	
Transfluthrin	118712-89-3 405-060-5	Carc. 2 Acute Tox. 4 STOT SE 1 Aquatic Acute 1 Aquatic Chronic 1	H351 H302 H370 (nervous system) H400 H410	<0.25
Benzyl acetate	140-11-4 205-399-7	Aquatic Chronic 3; H412	<0.25	

Full text of hazard statements is displayed in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Move exposed person to fresh air. Keep affected person warm and at rest. If breathing discomfort occurs, seek medical attention.

Skin

Wash contaminated skin with plenty of soap and water. Get medical attention if skin irritation occurs.

Eyes

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if discomfort persists.

Ingestion

Wash out mouth with water. Seek medical attention immediately if any part of the product is swallowed. Do not induce vomiting unless directed to do so by medical personnel.

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

If applicable, delayed symptoms and effects can be found in section 11 and absorption route in section 4.1. In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

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

No specific advice. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray, dry chemical, foam, CO₂, or sand. Use any means suitable for extinguishing surrounding fire.

Unsuitable extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes and skin. Do not eat, drink or smoke during clean-up.

6.2. Environmental precautions

Prevent from entering drainage system.

Prevent surface and groundwater contamination.

6.3. Methods and material for containment and cleaning up

Pick up mechanically and dispose of in accordance with section 13.

6.4. Reference to other sections

See section 1 for emergency contact information.

See section 8 for information on appropriate personal protective equipment.

See section 13 for disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes. Avoid prolonged contact with skin.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Read label before use.

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. Keep out of reach of children.

7.3. Specific end use(s)

For use as an insecticide.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

benzyl acetate - CAS: 140-11-4 ACGIH - LTE(8h): 10 ppm - Notes: A4 - URT irr EU - LTE(8h): 1 mg/m³

8.2. Exposure controls

Engineering controls

Ensure good ventilation.

Eye/face protection

Not necessary under normal conditions of use.

Hand protection

Not necessary under normal conditions of use.

Respiratory protection

Not necessary under normal conditions of use.

Environmental exposure controls

Steps should be taken to ensure that this product is not released accidentally into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: White, solid

Odour: Pine

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): Insoluble
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: Not explosive
Oxidising properties: Information not available

9.2. Other information

None

SECTION 10: Stability and reactivity

10.1. Reactivity

Not to be expected.

10.2. Chemical stability

Product is stable under normal conditions of storage and handling.

10.3. Possibility of hazardous reactions

Hazardous reactions are not expected to occur under normal conditions of storage and handling.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

No decomposition when used as directed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicity of product

Acute toxicity:	Not expected to be toxic.
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:	No information specified.
Carcinogenicity:	No information specified.
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

transfluthrin (ISO); 2,3,5,6-tetrafluorobenzyl trans-2-(2,2-dichlorovinyl)-3,3-dimethylcyclopropanecarboxylate - CAS: 118712-89-3

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 0.513 mg/l - Duration: 4h

Test: LD50 - Route: Skin - Species: Rat > 5000 mg/kg

benzyl acetate - CAS: 140-11-4

a) acute toxicity:

Test: LD50 - Route: Skin - Species: Rabbit > 5 g/kg

Test: LD50 - Route: Oral - Species: Rat = 2490 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

Toxicity of product

This product is classified as very toxic to aquatic life with long lasting effects.

Toxicity of ingredients

transfluthrin (ISO); 2,3,5,6-tetrafluorobenzyl trans-2-(2,2-dichlorovinyl)-3,3-dimethylcyclopropanecarboxylate - CAS: 118712-89-3

Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 0.0007 mg/l - Duration h: 96

Endpoint: LC50 - Species: Algae = 0.1 mg/l - Duration h: 72

Endpoint: EC50 - Species: Daphnia = 0.0012 mg/l - Duration h: 48

benzyl acetate - CAS: 140-11-4

Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 17 mg/l - Duration h: 48

Endpoint: EC50 = 855 mg/l - Duration h: 3

Species: Algae = 114 mg/l - Duration h: 72

Endpoint: LC50 - Species: Fish = 4000 Ppm - Duration h: 96

Aquatic chronic toxicity:

Endpoint: NOEC - Species: Algae = 52 mg/l - Duration h: 72

12.2. Persistence and degradability

Information not available.

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

Dispose of contents/container in accordance with all local, regional, national and international regulations.

SECTION 14: Transport information

14.1. UN number

3077

14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (TRANSFLUTHRIN)

14.3. Transport hazard class(es)

9

14.4. Packing group

III

14.5. Environmental hazards

Very toxic to aquatic life with long lasting effects.

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 substance is classified and labelled in accordance with Regulation (EC) 1272/2008 and 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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

15.2. Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Full text of hazard statements listed in section 3

H315: Causes skin irritation

H400: Very toxic to aquatic life

H410: Very toxic to aquatic life with long lasting effects

H412: Harmful 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.