



SAFETY DATA SHEET

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

ZER915 – ZERO IN TOTAL INSECT KILLING POWDER

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

1.1. Product identifier

Zero In Total Insect Killing 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

P102 Keep out of reach of children.

P103 Read label before use.

P260 Do not breathe dust.

P270 Do not eat, drink or smoke when using this product. P262 Do not get in eyes, on skin, or on clothing.

P273 Avoid release to the environment.

P391 Collect spillage.

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

Other labelling required under Regulation (EC) 1272/2008

EUH208: Contains permethrin. 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 (%)
Permethrin	52645-53-1	258-067-9	Acute Tox. 4; H302 Acute Tox. 4; H332 Skin Sens. 1; H317 Aquatic Acute 1; H400 M factor Acute = 1000 Aquatic Chronic 1; H410 M factor Chronic = 1000	<1
Disobutyl naphthalene sulphonate, sodium salt	27213-90-7	248-326-4	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Chronic 3; H412	<1

For full text of hazard statements, see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Remove affected person from source of contamination. 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

Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

Eyes

In case of eye contact, rinse eyes immediately with plenty of water. Remove contact lenses if present and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention if irritation persists.

Ingestion

Rinse mouth with water and give water to drink. Do not induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person.

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

Water spray, fog or mist.

Carbon dioxide (CO₂).

Dry chemicals, sand, dolomite etc.

Unsuitable extinguishing media

Avoid high pressure media.

5.2. Special hazards arising from the substance or mixture

None known. The product is non-combustible.

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. Avoid inhalation of dust. In the event of a large spill, area should be evacuated in case of formation of dust clouds.

6.2. Environmental precautions

Do not allow product to enter drains or watercourse. In the case of a large spill, or if a large quantity of product enters the drain or watercourse, contact the Environment Agency or other relevant local authority immediately.

6.3. Methods and material for containment and cleaning up

Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into suitable waste disposal containers and seal securely. Avoid generation and spreading of dust.

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

Avoid handling which leads to dust formation. Persons susceptible to allergic reactions should not handle this product.

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

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

CHINA CLAY

Inorganic dust WEL 4mg/m³ resp. dust TWA 8 hrs.

8.2. Exposure controls

Engineering controls

Use mechanical ventilation if there is a risk of handling causing formation of airborne dust.

Eye/face protection

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

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Respiratory protection

Ensure adequate ventilation. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m³. Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible.

Environmental exposure controls

Do not release to the environment.

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): Insoluble 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

Information not available

10.2. Chemical stability

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.4. Conditions to avoid

Avoid contact with water.

10.5. Incompatible materials

Information not available.

10.6. Hazardous decomposition products

Does not decompose when used and stored as recommended.

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

Permethrin:

LD50 Oral (Rat) 383 mg/kg

LC50 Inhalation (Rat) 485 mg/M3

LD50 Dermal (Rabbit) >2000 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

Toxicity of product

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

Toxicity of ingredients

Permethrin:

LC50 (Fathead Minnow) 96Hr 0.016 mg/L

EC50 Daphnia Magna (Water Flea) 48Hr 0.32 µg/L

12.2. Persistence and degradability

The active substance is not readily biodegradable.

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.

SECTION 14: Transport information

14.1. UN number

3077

14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS PERMETHRIN)

14.3. Transport hazard class(es)

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	(E)

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 informationAbbreviations 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

H332: Harmful if inhaled

H317: May cause an allergic skin reaction

H400: Very toxic to aquatic life

H410: Very toxic to aquatic life with long lasting effects

H315: Causes skin irritation

H319: Causes serious eye irritation

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.