

A 3 Pentrich Rd, Masons Mill, Pietermaritzburg, 3201

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1) IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Product identifier:

Identification as on the label/Trade name: Permadust.

Relevant identification uses of the substance and uses advised against:

Identified uses: A broad spectrum, ready-to-use insect dusting powder for residual treatment, used in the control of ants, bedbugs, cockroaches, fleas, silverfish, and crickets. Kills crawling insects on contact and by stomach action.

Uses advised against: Use only as directed.

Details of the supplier of the Safety Data Sheet:

Manufactured & distributed by: Synvita (PTY) LTD

Registration Holder: Lifeguard Sciences (PTY) LTD

Reg. No. 2014/079879/07

3 Pentrich Road, Masons Mill

Pietermaritzburg, 3201

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Emergency telephone numbers: Griffon Poison Information Centre (082) 446 8946

2) HAZARDS IDENTIFICATION

Classification of the substances or mixture

The mixture is classified according to

SANS 10234:2008, Regulation EC 1272/2008 [EU-GHS/CLP]	
Hazard classes/Hazard categories	Hazard statement
Skin Sensitization	May cause an allergic skin reaction
Hazardous to the Environment	Very toxic to aquatic life with long lasting effects

For full text of H statements see section 16

The most important adverse effects

The most important adverse physiochemical effects: None.

The most important adverse human health effects: May cause an allergic skin reaction.

Label elements

Hazard pictograms:



Signal Word: Warning

Hazard Statements:

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements: P261 Avoid breathing dust/fume/gas/mist/vapour/spray. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P302+P352 IF ON SKIN: wash with plenty of water. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P321 Specific treatment see on this label. P362+364 Take off contaminated clothing. And wash it before reuse. P273 Avoid release to the environment. P391 Collet spillage.

Special labelling of certain mixtures: None

Other hazards: None

3) COMPOSITION / INFORMATION ON INGREDIENTS

Substance/mixture: Mixture.

Composition:

Chemical Name	CAS Number	Concentrations	Classification
	EC Number		
Permethrin	52645-53-1	<1%	Acute tox.4 Acute tox.4 Skin Sens.1 Aquatic acute tox 1 Aquatic Chronic tox 1 M factor=1 000
	258-067-9		
Piperonyl Butoxide	51-03-6	1-10%	Aquatic acute tox 1 (M=1) Aquatic Chronic tox 1 (M=1)
	200-076-7		

For full text of H statements see section 16

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

4) FIRST AID MEASURES

Description of first aid measures:

If misuse of this product results in accidental illness: **SEEK MEDICAL ADVICE PROMPTLY AND SHOW THIS SDS TO THE MEDICAL PRACTITIONER.**

In case of inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial breathing. If breathing is difficult, give oxygen. Get medical attention immediately.

In case of skin contact:

In case of contact, wash skin with plenty of water for at least 15 minutes (do not rub skin hard). Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

In case of eye contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

In case of ingestion:

Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Gastric lavage is recommended. Activated charcoal may be helpful in reducing absorption of the compound. Get medical attention immediately.

Most important symptoms and effects, both acute and delayed:

May cause allergic skin reaction.

Indication of any immediate medical attention and special treatment needed:

Immediate medical attention is required if exposed to the product. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

5) FIRE FIGHTING MEASURES

Extinguisher media:

Suitable extinguisher media: Foam, carbon dioxide, water fog or dry powder extinguishers. Sand or earth may be used for small fires only.

SMALL FIRE: See above.

LARGE FIRE: See above.

Unsuitable extinguishing media: Do not use high volume water jet, due to contamination risk.

Specific hazards arising from the mixture:

Under thermal decomposition, the product may emit irritating and toxic fumes. The substance/product is non-combustible. Product is not explosive.

Specific extinguishing methods:

Remove spectators from surrounding area. Isolate the fire area and evacuate all personnel downwind of the fire. Fight fire from maximum distance and use unmanned hose holder or monitor nozzles. Keep upwind. Avoid inhaling hazardous vapours and fumes from burning materials. Remove container from fire area if possible and without risk. Do not use high volume water jet, due to contamination risk. Do not scatter the burning material. Water can be used to cool unaffected containers but must be contained for later disposal. Contain fire control agents for later disposal. Avoid pollution of waterways by run-off from the site. Decontaminate area thoroughly by removing all spillage.

Advice for fire-fighters:

-Wear NIOSH/MSHA approved self-contained breathing apparatus and full protective gear. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6) ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel: Keep all personal and avoid contact.

For emergency responders: Wear appropriate personal protective equipment. Avoid contact and ventilate area of the spill or leakage.

Protective equipment: Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill.

Emergency procedures: Alert fire-fighting personnel, evacuate unprotected personal and animals.

Environmental precautions: Prevent spilled product from entering sewers, waterways or ground water. This product is classified to be harmful to aquatic organisms with long lasting effects in the aquatic environment. Any spillages or uncontrolled discharges into watercourses should be reported immediately to the police and the Department of Water/Environmental Affairs.

Methods and materials for containment and cleaning up:

Material for containment and cleaning up:

Cover spillage with sand, earth, or other suitable inert material, carefully shovel up and transfer to salvage container, mark container "HAZARDOUS WASTE". Dispose of as for hazardous waste in accordance with local / national regulations. Do not re-use spill material. Collect washings and add to the drums already collected. Do not flush spilled material or washings into drains or waterways. To decontaminate the spill area, tools and equipment, wash with water and suitable detergent. See section 13 for disposal considerations.

For small spills Clean and place in appropriate waste disposal container. Follow local and regional authority requirements.

For large spills Clean and place in appropriate waste disposal container. Follow local and regional authority requirements.

Reference to other sections:

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for information on disposal.

Additional information: None.

7) HANDLING AND STORAGE

Precautions for safe handling: Do not handle broken packages without proper portative equipment. Immediately clean up spills that occur during handling. Keep containers closed when not in use. Use with adequate ventilation. Avoid contact with skin and eyes. Do not inhale. Use suitable respiratory equipment. Wash hands and skin with soap after contact. Keep away from oxidizing agents and acids.

Protective measures: Observe directions on label and instructions for use.

Advice on general occupational hygiene: practice good hygiene when using this material. Wash hands before eating, drinking, chewing gum, smoking, using the toilet, or applying cosmetics. Worker should shower at the end of each workday. Launder all clothing before it is re-used. Do not eat, drink or smoke when handling this product. Use only outdoors or in a well-ventilated area. Avoid contamination of food, feed stuff and drinking water. Do not use it in the presence of persons with known sensitivity to pyrethroids.

Conditions for safe storage, including incompatibilities: Keep under lock and key and out of reach of unauthorized persons, children and animals. Store in original container, labelled container, tightly closed, in an isolated, dry cool and well-ventilated area. Store product in a segregated and approved area.

Incompatible substances: Store away from incompatible materials, heat, sun and source of ignition. Keep away from oxidizing agents and acids.

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Version: 8

Revised in: July 2026

Specific end uses: Not applicable.

8) EXPOSURE CONTROL/PERSONEL PROTECTION

Control parameters:

Occupational exposure limits (OEL): None known.

Biological exposure indices (BEI): None known.

Additional exposure limits under the conditions of use: None known.

Exposure control:

Appropriate engineering controls: Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Hygiene measures:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Where there is possibility that an employee's eyes may be exposed to this substance; the employer should provide an eye wash fountain or appropriate alternative within the immediate work area for emergency use.

Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.

Hand protection:

It is a good industrial hygiene practice to prevent skin contact. Use rubber gloves.

Eye/face protection:

Risk of contact: Wear approved safety goggles. Contact lenses is not protective eye devices.

Skin and body protection:

Employee must wear appropriate proactive impervious clothing: rubber boots, hat and equipment to prevent repeated or prolonged skin contact when working with chemicals. Do not wear leather clothing. Apron and long sleeves are recommended.

Environmental exposure controls: Environmental manager must be informed of all major spillages.

9) PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state:	Powder.
Colour:	White to off white.
Odour:	No characteristic odour.
Melting point/ freezing point:	Not known.
Boiling point:	Not known.
Flammability:	Non-flammable.
Flammability limit:	Not known.
Flash point:	Not known.
Auto-ignition temperature:	Not known.
Decomposition temperature:	Not known.
pH:	Not known.
Kinematic viscosity:	Not known.
Solubility:	Non-soluble.

Partition coefficient:	Not known.
Vapour pressure:	Not known.
Density:	Not applicable.
Relative vapour density:	0.61.
Particle characteristics:	Fine powder.
Physical hazards:	
Explosive properties:	Not known.
Oxidising properties:	Not known.
Other information:	
Fat solubility (solvent-oil to be specified):	Not known.
Bulk density:	Not known.
Dissociation constant in water (p Ka):	Not known.
Oxidation-reduction potential:	Not known.

10) STABILITY AND REACTIVITY

Reactivity: The product is stable under normal warehouse conditions.

Chemical stability: Avoid storage under extreme temperatures and conditions. Store below 50 °C, preferably below 30 °C, and not for prolonged periods in direct sunlight. Stable under normal storage conditions.

Possibility of hazardous reactions: Not known.

Conditions to avoid: Keep away from direct sunlight, heat, hot surfaces, sparks, open flames, and other ignition sources. Incompatible material. Poor ventilation. Contamination. Moisture/high humidity.

Incompatible materials: Not known.

Hazardous decomposition products: No decomposition under normal conditions.

11) TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Acute Toxicity	
Acute Oral LD ₅₀ (rat)	>5000 mg/kg
Acute Dermal LD ₅₀ (rats):	Not known
Acute Inhalation LC ₅₀ 4 h 20 °C (rats)	>5.0 mg/kg
Skin irritation/ corrosion (rabbits)	Not known
Eye damage / irritation (rabbits)	Not known
Respiratory or skin sensitization	Classified as a skin sensitizer, category 1.
Germ cell mutagenicity	Not known
Carcinogenicity	Not known
Reproductive toxicity	Not known
Specific Target Organ Toxicity STOT single exposure	Not known
Specific Target Organ Toxicity STOT repeated exposure	Not known
Aspiration hazard	Not known

12) ECOLOGICAL INFORMATION

Anticipated behaviour of the chemical product in the environment /possible

Acute Toxicity	
Birds: LD ₅₀ for bobwhite quail and mallard ducks Dietary LC ₅₀ (8 d) for bobwhite quail and mallard ducks	Not known.
Fish - LC ₅₀ (EqNOEC _m) (96h)	0,079 mg/l for <i>Cyprinodon variegatus</i> .
Daphnia – toxic to Daphnia	

EC ₅₀ (48 h)	0,138 mg/l for <i>Daphnia magna</i> .
Algae EC ₅₀ (EqNOEC _m) for algae (72h)	>0,044 mg/l for <i>Selenastrum capricornutum</i> .
Bees: LC ₅₀ (oral) LD ₅₀ (topical)	Not known.
Worms Acute LC ₅₀ (14 d)	Not known.

Persistence and degradability: Readily biodegradable.
Bioaccumulative potential: No potential for bioaccumulation.
Mobility in soil: Not known.
Other adverse effects: Not known.

13) DISPOSAL CONSIDERATION

Waste treatment methods:

General Information: Do not discharge into drains, water courses or onto the ground. Discharge, treatment or disposal may be subject to national, state, or local laws. Empty containers may contain product residues. Open dumping or burning is prohibited. Waste resulting from the use of this product cannot be reused or re-processed. Never pour untreated waste or surplus product into public sewers or where there is any danger of run-off or seepage into water systems. Do not contaminate rivers, dams or any other water sources with the product or used containers. Comply with local legislation applying to waste disposal. The product may be taken to a registered waste disposal site or incineration plant.

Disposal Methods: Triple rinse empty pesticide containers or packages by triple rinsing before disposal.

Quarter-fill the empty packaging with water, close and shake for 30 seconds. Empty the content by placing it upside down over disposal bucket.

Destroy the empty container by perforating and flattening and unused product as for toxic waste in accordance with local and /or national regulations. Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site. Do not re-use for any other purpose.

Container: Since emptied containers retain product residue, follow label warnings even after container is emptied.

Product/ packaging disposal: Treat as hazardous waste and dispose of in accordance with municipal, provincial and national regulations.

14) TRANSPORT INFORMATION

UN Number: 3077
 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
 UN Classification [transport hazard class(es)]: 9
 Packing group (if applicable): III
 Marine pollutant (Y/N): Yes

15) REGULATORY INFORMATION

Safety, health and environmental regulations/legislation for the mixture:

Relevant information regarding authorization: Occupational Health and Safety Act 1993 Regulation for Hazardous Chemical Substances.

Relevant information regarding restrictions:

EU regulations: Regulation EC 1272/2008 [EU-GHS/CLP] and EU directives 67/548/EEC or EC 1999/45/EC.

Other National regulations: National Road Traffic Act, 1996 (ACT NO. 93 of 1996).

SANS 11014:2010 – Safety data sheet for chemical products, Content and order section.

SANS 10228:2012- The identification and classification of dangerous goods for transport by road and rail modes.

National Environmental Management: Waste Act 59 of 2008.

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Chemical Safety Assessment carried out? No.

16) OTHER INFORMATION

Indication of changes: GHS aligned.

Relevant classification and H statements (number and full text): None.

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects.

Training instructions: Use as indicated on the label, special training may be required for application.

Further information: This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Notice to readers:

To the best of our knowledge, the information contained herein is accurate and is based on the present state of our knowledge and does not therefore guarantee specific properties. However, neither the above-named supplier nor any of its subsidiaries assumes any liability whatsoever for any accuracy or completeness of the information contained herein.

Final determinations of suitability of any material are sole responsibility of the users, who must take responsibility for observing existing laws and regulations. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.