

Section 1. Identification

Product identifier	Garden Insect Dust
Chemical Family	Pyrethroid
Chemical Name	Mixture - Active Ingredient, Permethrin
Synonyms	None
Recommended use	Insecticide
Uses advised against	None Non-hazardous
Company	Southern Agricultural Insecticides, Inc. P.O. Box 218 Palmetto, FL 34220
Company Telephone/Fax	(941) 722-3285/(941) 723-2974
Emergency Telephone Number	For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, Call CHEMTREC Day or Night: 1-800-424-9300

This product is an EPA FIFRA registered pesticide. Some of the classifications on this SDS are not the same as the FIFRA label. Certain sections of this SDS are superseded by federal law governed by EPA for a registered pesticide. Please see Section 15. REGULATORY INFORMATION for explanation.

Section 2. Hazards identification

OSHA/HCS status	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
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Classification of the substance or mixture	Not classified. Non-hazardous product.
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GHS label elements

Signal word
Hazard pictograms

WARNING



Hazard statements
Precautionary statements

Very toxic to fish and aquatic organisms.
Avoid release to environment. Do not allow this product to enter or run off into drainage ditches, gutters or surface waters.

Storage Store in a well ventilated secure place for pesticides.

Disposal If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local regulations.

Section 3: Composition Information

Chemical Name	CAS No.	Percent
Permethrin	52645-53-1	.25
Ingredients not identified are proprietary or non-hazardous.		

Section 4: First-Aid Measures

Description of necessary first-aid measures

General advice	If potential for exposure exists, refer to Section 8 for specific personal protective equipment. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the SDS and label where possible).
If inhaled	Move person to fresh air. If person is not breathing, call an emergency responder or ambulance, then give artificial respiration. Call a poison control center or doctor for treatment advice.
In case of skin contact	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes, followed by warm water rinse. Call a poison control center or doctor for treatment advice.
In case of eye contact	Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.
If swallowed	Rinse mouth without swallowing. Do NOT induce vomiting. Call a poison control center or doctor for treatment advice.

Most important symptoms/effects, acute and delayed

Not expected to present a significant hazard under anticipated conditions of normal use.

Indication of immediate medical attention and special treatment needed, if necessary

No data available.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Foam, Water Spray, Sand

Specific hazards arising from the chemical

No data available.

Special protective actions for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved (or equivalent) and full protective gear. Keep upwind. Isolate hazard area. Avoid inhalation of smoke and fumes. Use water or foam to reduce fumes. Do not touch spilled material. If possible, move containers from area. Extinguish only if flow can be stopped. Use flooding amounts of water as a fog. Cool containers with flooding amounts of water from as far a distance as possible. Avoid breathing vapors.

Further information

No additional data.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Evacuate non-essential personnel from the area to prevent human exposure.

Ventilate area.

Avoid creation of dust.

Stop the source of the spill.

Contain the spill to prevent further contamination of the soil, surface water, or ground water.

Remove all sources of ignition.

Environmental precautions

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. Spills or discharge to natural waterways is likely to kill aquatic organisms.

Methods and materials for containment and cleaning up

Sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials in marked containers.

SECTION 7: Handling and storage

Precautions for safe handling

Keep out of reach of children. Do not swallow. Avoid contact with eyes, skin, and clothing. Avoid breathing dust. Use with adequate ventilation. Wash thoroughly after handling. See Section 8, Exposure Controls and Personal Protection.

Conditions for safe storage, including any incompatibilities

Store in a dry place. Store in original container. Keep containers closed when not in use. Do not store near food, foodstuffs, drugs or potable water supplies.

Incompatible materials: Heat sources.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

Avoid all unnecessary exposure. Keep area well ventilated. When using, do not eat, drink or smoke.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Use safety glasses (with side shields).

Skin protection

Use gloves chemically resistant to this material when prolonged or frequently repeated contact could occur. Examples of preferred glove barrier materials include: Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyvinyl chloride ("PVC" or "vinyl"). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Body protection

Wear clean, body-covering clothing.

Respiratory protection

Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. For most conditions, an approved mask should be needed; however, in dusty atmospheres, use an approved particulate respirator. The following should be effective types of air-purifying respirators: Organic vapor cartridge with a particulate pre-filter.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	Beige/tan solid
Odor	Insecticide type odor
Odor threshold	No data available.
pH	5.5-7
Melting point/freezing point	130 °C / 266 ° F
Initial boiling point and boiling range	No data available.
Flash point	No data available.

Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	1
Partition coefficient:	n-octanol/water
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

SECTION 10: Stability and reactivity

Reactivity	Stable
Chemical stability	Not established
Possibility of hazardous reactions	Not established
Conditions to avoid	Moisture. Extremely high or low temperatures and sources of ignition.
Incompatible materials	Strong acids. Strong bases.
Hazardous decomposition products	No additional information available

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Not Classified
 Permethrin (52645-53-1)
 LD50 oral rat - >383 mg/kg (Rat)
 LD50 dermal rat - 4000 mg/kg (Rat)
 LD50 dermal rabbit - >2000 mg/kg (Rabbit)

Skin corrosion/irritation

Not Classified
 pH: 5.5 - 7

Serious eye damage/irritation

Not Classified
 pH: 5.5 - 7

Respiratory or skin sensitization

Not Classified

Germ cell mutagenicity

Not Classified

Carcinogenicity

Permethrin: A statistically significant increase in the incidence of lung and liver tumors was observed in female mice receiving diets containing 375 and 750 mg/kg/day of permethrin technical over 85 weeks.

Reproductive toxicity

Not Classified

Summary of evaluation of the CMR properties

Permethrin was not teratogenic when tested in rats.

Permethrin did not produce any mutagenic effects when tested in the Ames test.

Aspiration hazard

Not Classified

Additional information

Potential Adverse human health effects and symptoms: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

Toxicity

This product is highly toxic to fish.

Persistence and degradability

Not established

Bioaccumulative potential

Not established

Other adverse effects

Do not discharge effluent containing this product into lakes streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination system (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water board or Regional Office of the EPA. Do not contaminate water when disposing of equipment wash waters.

SECTION 13: Disposal considerations

Disposal of the product

If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

SECTION 14: Transport information

DOT (US)	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

SECTION 15: Regulatory information

Safety, health and environmental regulations

Massachusetts Right To Know Components

Chemical name: 3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropane carboxylic acid, (3-phenoxy-phenyl)methyl ester

CAS number: 52645-53-1

New Jersey Right To Know Components

Common name: PERMETHRIN

CAS number: 52645-53-1

SARA 313 Components

Title III - Permethrin .25%

California Prop. 65 Components

Permethrin contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Chemical Safety Assessment

CAUTION: KEEP OUT OF REACH OF CHILDREN

May be harmful if swallowed or absorbed through skin.

Avoid breathing dust.

SECTION 16: Other information

Disclaimer

Southern Agricultural Insecticides, Inc. urges each customer or recipient of this (M)SDS study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.