

# SAFETY DATA SHEET



## Lannate SP Insecticide

Version	Revision Date:	SDS Number:	Date of last issue: 01/25/2022
1.1	11/09/2022	800080006109	Date of first issue: 01/25/2022

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Corteva Agriscience™ encourages you and expects you to read and understand the entire SDS as there is important information throughout the document. This SDS provides users with information relating to the protection of human health and safety at the workplace, protection of the environment and supports emergency response. Product users and applicators should primarily refer to the product label attached to or accompanying the product container. This Safety Data Sheet adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

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### SECTION 1. IDENTIFICATION

Product name : Lannate SP Insecticide

#### Manufacturer or supplier's details

##### COMPANY IDENTIFICATION

Manufacturer/importer : CORTEVA AGRISCIENCE LLC  
9330 ZIONSVILLE RD  
INDIANAPOLIS, IN, 46268-1053  
UNITED STATES

Customer Information Number : 1-800-258-3033  
E-mail address : customerinformation@corteva.com

Emergency telephone : INFOTRAC (CONTRACT 84224).  
+1 800-992-5994 or +1 317-337-6009

#### Recommended use of the chemical and restrictions on use

Recommended use : End use insecticide product

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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity (Oral) : Category 2  
Acute toxicity (Inhalation) : Category 2  
Specific target organ toxicity - single exposure : Category 3 (Central nervous system)

#### GHS label elements

# SAFETY DATA SHEET



## Lannate SP Insecticide

Version 1.1      Revision Date: 11/09/2022      SDS Number: 800080006109      Date of last issue: 01/25/2022  
Date of first issue: 01/25/2022

Hazard pictograms :  

Signal Word : Danger

Hazard Statements : H300 + H330 Fatal if swallowed or if inhaled.  
H336 May cause drowsiness or dizziness.

Precautionary Statements : **Prevention:**  
P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P284 Wear respiratory protection.  
**Response:**  
P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Rinse mouth.  
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.  
**Storage:**  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.  
**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**  
None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
methomyl (ISO)	16752-77-5	90
Amorphous precipitated silica	112926-00-8	>= 3 - < 10

Actual concentration is withheld as a trade secret

### SECTION 4. FIRST AID MEASURES

General advice : For medical emergencies involving this product, call toll free 1-888-226-8832. See Label for Additional Precautions and Directions for Use.  
Information presented in Section 4 conforms to the require-

## Lannate SP Insecticide

Version	Revision Date:	SDS Number:	Date of last issue: 01/25/2022
1.1	11/09/2022	800080006109	Date of first issue: 01/25/2022

---

ments of the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard of 2012. See Section 15 for applicable information conforming to the requirements of the Federal Insecticide Fungicide and Rodenticide Act (FIFRA), as required by the US Environmental Protection Agency (EPA), or by state Regulatory Agencies.

**ATROPINE IS AN ANTIDOTE - SEEK MEDICAL ATTENTION AT ONCE IN ALL CASES OF SUSPECTED POISONINGS.**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies involving this product, call toll free 1-888-226-8832. See Label for Additional Precautions and Directions for Use.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

- If inhaled : Move to fresh air.  
If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.  
Call a poison control center or doctor for treatment advice.
- In case of skin contact : Take off all contaminated clothing immediately.  
Rinse skin immediately with plenty of water for 15-20 minutes.  
Call a poison control center or doctor for treatment advice.
- In case of eye contact : Hold eye 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 eye.  
Call a poison control center or doctor for treatment advice.
- If swallowed : Call a physician or poison control center immediately.  
If swallowed, drink 1 or 2 glasses of water and try once or twice to induce vomiting by touching the back of throat with finger.  
Induce vomiting if person is conscious.  
Never give anything by mouth to an unconscious person.
- Most important symptoms and effects, both acute and delayed : Poisoning produces effects associated with anticholinesterase activity which may include:  
Poisoning produces effects associated with anticholinesterase activity which may include:  
Weakness  
blurred vision  
Headache  
Nausea  
Abdominal pain  
discomfort in the chest  
constriction of pupils  
Sweating  
slow pulse  
muscle twitching  
Weakness

## Lannate SP Insecticide

Version	Revision Date:	SDS Number:	Date of last issue: 01/25/2022
1.1	11/09/2022	800080006109	Date of first issue: 01/25/2022

---

blurred vision  
Nausea  
Headache  
Abdominal pain  
discomfort in the chest  
constriction of pupils  
slow pulse  
Sweating  
muscle twitching

Notes to physician : Morphine, 2-PAM and oxime therapy are contra-indicated.

Administer atropine sulphate as an antidote until complete atropinisation (1.2-2.0 mg i.v. every 10-30 minutes). However, for exposure to methomyl in combination with organophosphorous insecticides, 2-PAM (1-2 g slow i.v.) may be used as required to supplement the atropine sulfate treatment as described above.

Artificial respiration and/or oxygen may be necessary. Allow no further exposure to any cholinesterase inhibitor until full recovery is assured.

Morphine, 2-PAM and oxime therapy are contra-indicated.

2-PAM may be used as an antidote in conjunction with atropine sulphate but must not be used alone.

**SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media : Water spray  
Alcohol-resistant foam

Unsuitable extinguishing media : None known.

Specific hazards during fire fighting : Exposure to combustion products may be a hazard to health. Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating.

Specific extinguishing methods : Remove undamaged containers from fire area if it is safe to do so.  
Evacuate area.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray to cool unopened containers.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

## Lannate SP Insecticide

Version	Revision Date:	SDS Number:	Date of last issue: 01/25/2022
1.1	11/09/2022	800080006109	Date of first issue: 01/25/2022

---

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.  
Use personal protective equipment.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Avoid dust formation.  
Avoid breathing dust.  
Use personal protective equipment.  
Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Environmental precautions : If the product contaminates rivers and lakes or drains inform respective authorities.  
Discharge into the environment must be avoided.  
Prevent further leakage or spillage if safe to do so.  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages cannot be contained.  
Prevent from entering into soil, ditches, sewers, underwater.  
See Section 12, Ecological Information.

Methods and materials for containment and cleaning up : Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in.  
Pick up and arrange disposal without creating dust.  
Recovered material should be stored in a vented container.  
The vent must prevent the ingress of water as further reaction with spilled materials can take place which could lead to over-pressurization of the container.  
Keep in suitable, closed containers for disposal.  
Sweep up or vacuum up spillage and collect in suitable container for disposal.  
See Section 13, Disposal Considerations, for additional information.

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**SECTION 7. HANDLING AND STORAGE**

Local/Total ventilation : Use with local exhaust ventilation.

Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.  
Do not breathe vapors/dust.  
Do not smoke.  
Handle in accordance with good industrial hygiene and safety practice.  
Avoid exposure - obtain special instructions before use.  
Smoking, eating and drinking should be prohibited in the application area.  
Avoid inhalation of vapor or mist.  
Avoid contact with skin and eyes.  
Avoid prolonged or repeated contact with skin.  
Take care to prevent spills, waste and minimize release to the

# SAFETY DATA SHEET



## Lannate SP Insecticide

Version 1.1      Revision Date: 11/09/2022      SDS Number: 800080006109      Date of last issue: 01/25/2022  
Date of first issue: 01/25/2022

environment.  
Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Conditions for safe storage : Store in a closed container.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Keep in properly labeled containers.  
Store in accordance with the particular national regulations.

Materials to avoid : Strong oxidizing agents

Packaging material : Unsuitable material: None known.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
methomyl (ISO)	16752-77-5	TWA (Inhalable fraction and vapor)	0.2 mg/m <sup>3</sup>	ACGIH
		TWA	2.5 mg/m <sup>3</sup>	OSHA P0
Amorphous precipitated silica	112926-00-8	TWA (Dust)	20 Million particles per cubic foot (Silica)	OSHA Z-3
		TWA (Dust)	80 mg/m <sup>3</sup> / %SiO <sub>2</sub> (Silica)	OSHA Z-3
		TWA	6 mg/m <sup>3</sup>	OSHA P0

#### Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
methomyl (ISO)	16752-77-5	Acetylcholinesterase activity	In red blood cells	End of shift	70 % of an individual's baseline	ACGIH BEI
		Butyrylcholinesterase activity	In serum or plasma	End of shift	60 % of an individual's baseline	ACGIH BEI

Engineering measures : Information presented in Section 8 conforms to the requirements of the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard of 2012. See Section 15 for applicable information conforming to the requirements of the Federal Insecticide Fungicide and Rodenticide Act (FIFRA), as required by the US Environmental Protection Agency (EPA), or by state Regulatory

Use only with adequate ventilation.

## Lannate SP Insecticide

Version	Revision Date:	SDS Number:	Date of last issue: 01/25/2022
1.1	11/09/2022	800080006109	Date of first issue: 01/25/2022

---

**Personal protective equipment**

Respiratory protection : For exposures in enclosed areas:  
 A respirator with an organic vapor-removing cartridge with a prefilter approved for pesticides (NIOSH approval number prefix TC-23C), or a canister approved for pesticides (NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P, or HE prefilter.

For exposures outdoors:  
 A NIOSH approved dust/mist filtering respirator with any R, P, or HE filter or with approval number prefix TC-21C.

## Hand protection

Remarks : Protective gloves

Eye protection : Safety glasses

Skin and body protection : Mixers, loaders, applicators and other handlers who may be exposed to the concentrate must wear:  
 Long sleeved shirt and long pants  
 Chemical-resistant gloves  
 Chemical resistant footwear plus socks  
 Protective eyewear  
 Chemical resistant apron  
 Protective eyewear  
 Shoes plus socks  
 Chemical-resistant gloves, Category A (such as butyl rubber, naturalrubber, neoprene rubber, or nitrile rubber), all greater than or equalto 14 mils  
 Coveralls  
 PPE required for early entry to treated areas that is permitted underthe Worker Protection Standard and that involves contact with anythingthat has been treated, such as plants, soil, or water, is:  
 Applicators and other handlers exposed to the diluted material must wear:  
 Long sleeved shirt and long pants  
 Chemical-resistant gloves  
 Shoes plus socks  
 Protective eyewear  
 Wear protective clothing such as gloves, apron, boots, or coveralls, as appropriate.  
 Mixers, loaders, applicators and other handlers who may be exposed to the concentrate must wear:  
 Long sleeved shirt and long pants  
 Chemical-resistant gloves  
 Chemical resistant footwear plus socks  
 Protective eyewear  
 Chemical resistant apron  
 PPE required for early entry to treated areas that is permitted underthe Worker Protection Standard and that involves contact with anythingthat has been treated, such as plants, soil, or water, is:

# SAFETY DATA SHEET



## Lannate SP Insecticide

Version 1.1      Revision Date: 11/09/2022      SDS Number: 800080006109      Date of last issue: 01/25/2022  
Date of first issue: 01/25/2022

---

- Coveralls  
Chemical-resistant gloves, Category A (such as butyl rubber, naturalrubber, neoprene rubber, or nitrile rubber), all greater than or equalto 14 mils  
Shoes plus socks  
Protective eyewear  
Applicators and other handlers exposed to the diluted material must wear:  
Long sleeved shirt and long pants  
Chemical-resistant gloves  
Shoes plus socks  
Protective eyewear
- Protective measures : Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them.  
Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.  
Eyewash facility and safety shower should be available.  
All chemical protective clothing should be visually inspected prior to use. Clothing and gloves should be replaced in case of chemical or physical damage or if contaminated.  
End users of this product should follow label instructions for personal protection when using this product.
- Hygiene measures : Do not breathe dust or spray mist.  
Do not get in eyes, on skin, or on clothing.  
Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.  
Remove personal protective equipment immediately after handling this product.  
Wash the outside of gloves before removing.  
As soon as possible, wash thoroughly and change into clean clothing.  
Remove clothing/PPE immediately if material gets inside.  
Wash thoroughly and put on clean clothing.

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : powder
- Color : white, or, blue
- Odor : slight, sulfurous
- Odor Threshold : No data available
- pH : No data available



# SAFETY DATA SHEET



## Lannate SP Insecticide

Version 1.1      Revision Date: 11/09/2022      SDS Number: 800080006109      Date of last issue: 01/25/2022  
Date of first issue: 01/25/2022

---

Melting point/range : No data available

Freezing point : Not applicable

Boiling point/boiling range : Not applicable

Flash point : Method: closed cup  
Not applicable

Evaporation rate : Not applicable

Flammability (solid, gas) : No data available

Upper explosion limit / Upper flammability limit : Not applicable

Lower explosion limit / Lower flammability limit : Not applicable

Vapor pressure : Not applicable

Relative vapor density : Not applicable

Density : 1.2946 g/cm<sup>3</sup> (77 °F / 25 °C)

Bulk density : 290 kg/m<sup>3</sup> loose

Solubility(ies)  
Water solubility : No data available

Autoignition temperature : Not applicable

Viscosity  
Viscosity, dynamic : Not applicable

Explosive properties : No data available

Oxidizing properties : No data available

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity : Not classified as a reactivity hazard.

Chemical stability : No decomposition if stored and applied as directed.  
Stable under normal conditions.

Possibility of hazardous reactions : Stable under recommended storage conditions.  
No hazards to be specially mentioned.  
None known.

Conditions to avoid : None known.

## Lannate SP Insecticide

Version	Revision Date:	SDS Number:	Date of last issue: 01/25/2022
1.1	11/09/2022	800080006109	Date of first issue: 01/25/2022

---

Incompatible materials : None.

Hazardous decomposition products : Decomposition products depend upon temperature, air supply and the presence of other materials.

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**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity****Product:**

Acute oral toxicity : LD50 (Rat): 23 mg/kg

Acute inhalation toxicity : LC50 (Rat): 0.258 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Method: US EPA Test Guideline OPP 81-2

**Components:****methomyl (ISO):**

Acute oral toxicity : LD50 (Rat, male and female): 32 mg/kg  
Method: Directive 67/548/EEC, Annex V, B.1.  
Target Organs: Central nervous system

Acute inhalation toxicity : LC50 (Rat, Male and female): 0.258 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rabbit, Male and female): > 2,000 mg/kg  
Method: Directive 67/548/EEC, Annex V, B.3.

**Amorphous precipitated silica:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 2.08 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
Symptoms: No deaths occurred at this concentration.  
Assessment: The substance or mixture has no acute inhalation toxicity  
Remarks: Maximum attainable concentration.

Acute dermal toxicity : LD50: > 2,000 mg/kg  
Method: Estimated.  
Assessment: The substance or mixture has no acute dermal toxicity

## Lannate SP Insecticide

Version 1.1      Revision Date: 11/09/2022      SDS Number: 800080006109      Date of last issue: 01/25/2022  
Date of first issue: 01/25/2022

---

**Skin corrosion/irritation****Product:**

Species : Rabbit

**Components:****methomyl (ISO):**

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : No skin irritation

**Amorphous precipitated silica:**

Species : Rabbit  
Result : No skin irritation

**Serious eye damage/eye irritation****Product:**

Species : Rabbit

**Components:****methomyl (ISO):**

Species : Rabbit  
Result : No eye irritation  
Method : OECD Test Guideline 405

**Respiratory or skin sensitization****Product:**

Species : Guinea pig

**Components:****methomyl (ISO):**

Test Type : Buehler Test  
Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : Did not cause sensitization on laboratory animals.

**Germ cell mutagenicity****Components:****methomyl (ISO):**

Germ cell mutagenicity - Assessment : Animal testing did not show any mutagenic effects.

**Amorphous precipitated silica:**

## Lannate SP Insecticide

Version 1.1      Revision Date: 11/09/2022      SDS Number: 800080006109      Date of last issue: 01/25/2022  
Date of first issue: 01/25/2022

---

Germ cell mutagenicity - Assessment : In vitro genetic toxicity studies were negative.

**Carcinogenicity****Components:****methomyl (ISO):**

Carcinogenicity - Assessment : Did not cause cancer in laboratory animals.

**Amorphous precipitated silica:**

Carcinogenicity - Assessment : Animal testing and human experience demonstrate no significant risk of human cancer from exposure to relatively pure amorphous silica.

**Reproductive toxicity****Components:****methomyl (ISO):**

Reproductive toxicity - Assessment : In animal studies, did not interfere with reproduction. Did not cause birth defects in laboratory animals.

**Amorphous precipitated silica:**

Reproductive toxicity - Assessment : Did not cause birth defects or any other fetal effects in laboratory animals.

**STOT-single exposure****Product:**

Assessment : May cause drowsiness or dizziness.

**Components:****methomyl (ISO):**

Routes of exposure : Inhalation  
Target Organs : Central nervous system  
Assessment : May cause drowsiness or dizziness.

**Amorphous precipitated silica:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

**STOT-repeated exposure****Product:**

Assessment : Evaluation of available data suggests that this material is not an STOT-RE toxicant.

## Lannate SP Insecticide

Version 1.1      Revision Date: 11/09/2022      SDS Number: 800080006109      Date of last issue: 01/25/2022  
Date of first issue: 01/25/2022

---

**Repeated dose toxicity****Components:****Amorphous precipitated silica:**

Remarks : Diatomaceous earth or amorphous silica is considered a nuisance dust and does not cause the lung injury associated with crystalline silica. However, repeated excessive exposures to dust of amorphous silica (which is the main component in this product) may cause potentially reversible lung effects. Repeated exposures to dusts of this material are not anticipated to result in systemic toxicity or permanent lung injury; however, excessive exposures may cause less severe respiratory effects.

**Aspiration toxicity****Product:**

Based on physical properties, not likely to be an aspiration hazard.

**Components:****methomyl (ISO):**

Based on available information, aspiration hazard could not be determined.

**Amorphous precipitated silica:**

Based on physical properties, not likely to be an aspiration hazard.

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Product:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 2.49 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: OECD Test Guideline 203  
GLP: yes

LC50 (Lepomis macrochirus (Bluegill sunfish)): 0.63 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203  
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia): 0.017 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202  
GLP: yes

Toxicity to algae/aquatic plants : ErC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l  
Exposure time: 72 h

## Lannate SP Insecticide

Version	Revision Date:	SDS Number:	Date of last issue: 01/25/2022
1.1	11/09/2022	800080006109	Date of first issue: 01/25/2022

---

Method: OECD Test Guideline 201

GLP: yes

Toxicity to terrestrial organisms : LC50 (*Colinus virginianus* (Bobwhite quail)): > 5,620 mg/kg  
Exposure time: 8 d

Method: OECD Test Guideline 205

GLP: yes

Remarks: The toxicological data has been taken from products of similar composition.

Information source: Internal study report

LD50 (*Apis mellifera* (bees)): 0.00028 mg/kg

Exposure time: 2 d

Method: US EPA Test Guideline OPPTS 850.3020

Remarks: Oral

The toxicological data has been taken from products of similar composition.

Information source: Internal study report

LD50 (*Apis mellifera* (bees)): 0.00016 mg/kg

Exposure time: 2 d

Method: US EPA Test Guideline OPPTS 850.3020

GLP: yes

Remarks: Contact

The toxicological data has been taken from products of similar composition.

Information source: Internal study report

**Components:****methomyl (ISO):**

Toxicity to fish : LC50 (*Lepomis macrochirus* (Bluegill sunfish)): 0.63 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): 0.017 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : ErC50 (*Pseudokirchneriella subcapitata* (green algae)): > 100 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

M-Factor (Acute aquatic toxicity) : 100

Toxicity to fish (Chronic toxicity) : NOEC (*Pimephales promelas* (fathead minnow)): 0.073 mg/l  
Exposure time: 35 d  
Test Type: Early Life-Stage

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (*Daphnia magna* (Water flea)): 0.0016 mg/l  
Exposure time: 21 d

# SAFETY DATA SHEET



## Lannate SP Insecticide

Version 1.1      Revision Date: 11/09/2022      SDS Number: 800080006109      Date of last issue: 01/25/2022  
Date of first issue: 01/25/2022

---

M-Factor (Chronic aquatic toxicity) : 10

Toxicity to soil dwelling organisms : LC50 (Eisenia fetida (earthworms)): 23 mg/kg  
Exposure time: 14 d  
Method: OECD Test Guideline 207

Toxicity to terrestrial organisms : LC50 (Anas platyrhynchos (Mallard duck)): 3,952 mg/kg  
Exposure time: 8 d  
Method: OECD Test Guideline 205

LC50 (Colinus virginianus (Bobwhite quail)): > 5,620 mg/kg  
Exposure time: 8 d  
Method: OECD Test Guideline 205

LD50 (Apis mellifera (bees)): 0.00028 mg/kg  
Exposure time: 2 d  
Method: US EPA Test Guideline OPPTS 850.3020  
Remarks: Oral

LC50 (Apis mellifera (bees)): 0.00016 mg/kg  
Exposure time: 2 d  
Method: US EPA Test Guideline OPPTS 850.3020  
Remarks: Contact

oral LD50 (Colinus virginianus (Bobwhite quail)): > 24.2 mg/kg  
Remarks: Material is highly toxic to birds on an acute basis (LD50 between 10 and 50 mg/kg).

### **Amorphous precipitated silica:**

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 5,000 - 10,000 mg/l  
Exposure time: 96 h  
Test Type: Static

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 10,000 mg/l  
Exposure time: 24 h  
Test Type: Static  
Method: OECD Test Guideline 202  
GLP: yes

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 440 mg/l  
End point: Biomass  
Exposure time: 72 h

### **Persistence and degradability**

#### **Components:**

#### **methomyl (ISO):**

Biodegradability : Result: Not readily biodegradable.

## Lannate SP Insecticide

Version	Revision Date:	SDS Number:	Date of last issue: 01/25/2022
1.1	11/09/2022	800080006109	Date of first issue: 01/25/2022

---

**Bioaccumulative potential****Components:****methomyl (ISO):**

Bioaccumulation : Remarks: Does not bioaccumulate.

**Amorphous precipitated silica:**

Partition coefficient: n-octanol/water : Remarks: Partitioning from water to n-octanol is not applicable.

**Mobility in soil**

No data available

**Other adverse effects****Components:****Amorphous precipitated silica:**

Results of PBT and vPvB assessment : This substance has not been assessed for persistence, bioaccumulation and toxicity (PBT).

Ozone-Depletion Potential : Remarks: This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : 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.

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**SECTION 14. TRANSPORT INFORMATION****International Regulations****UNRTDG**

UN number	: UN 2757
Proper shipping name	: CARBAMATE PESTICIDE, SOLID, TOXIC (Methomyl)
Class	: 6.1
Packing group	: II



# SAFETY DATA SHEET



## Lannate SP Insecticide

Version 1.1      Revision Date: 11/09/2022      SDS Number: 800080006109      Date of last issue: 01/25/2022  
Date of first issue: 01/25/2022

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Labels : 6.1

**IATA-DGR**

UN/ID No. : UN 2757

Proper shipping name : Carbamate pesticide, solid, toxic (Methomyl)

Class : 6.1

Packing group : II

Labels : Toxic

Packing instruction (cargo aircraft) : 676

Packing instruction (passenger aircraft) : 669

**IMDG-Code**

UN number : UN 2757

Proper shipping name : CARBAMATE PESTICIDE, SOLID, TOXIC (Methomyl)

Class : 6.1

Packing group : II

Labels : 6.1

EmS Code : F-A, S-A

Marine pollutant : yes

Remarks : Stowage category A

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### Domestic regulation

#### 49 CFR

UN/ID/NA number : UN 2757

Proper shipping name : Carbamate pesticides, solid, toxic (Methomyl)

Class : 6.1

Packing group : II

Labels : TOXIC

ERG Code : 151

Marine pollutant : yes(Methomyl)

Reportable Quantity : Methomyl only regulated in pack sizes > 50.5 kg

### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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## SECTION 15. REGULATORY INFORMATION

**SARA 311/312 Hazards** : Acute toxicity (any route of exposure)  
Specific target organ toxicity (single or repeated exposure)

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

# SAFETY DATA SHEET



## Lannate SP Insecticide

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### US State Regulations

#### Pennsylvania Right To Know

methomyl (ISO)      16752-77-5  
Amorphous precipitated silica      112926-00-8

#### The ingredients of this product are reported in the following inventories:

TSCA      :    Product contains substance(s) not listed on TSCA inventory.

#### TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

#### Federal Insecticide, Fungicide and Rodenticide Act

EPA Registration Number      :    352-342

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

DANGER

Fatal if swallowed.  
May be fatal if inhaled or absorbed through eyes.

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## SECTION 16. OTHER INFORMATION

#### Information Source and References

This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.

#### Full text of other abbreviations

ACGIH      :    USA. ACGIH Threshold Limit Values (TLV)  
ACGIH BEI      :    ACGIH - Biological Exposure Indices (BEI)  
OSHA P0      :    USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)  
OSHA Z-3      :    USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts  
ACGIH / TWA      :    8-hour, time-weighted average  
OSHA P0 / TWA      :    8-hour time weighted average  
OSHA Z-3 / TWA      :    8-hour time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely

## Lannate SP Insecticide

Version	Revision Date:	SDS Number:	Date of last issue: 01/25/2022
1.1	11/09/2022	800080006109	Date of first issue: 01/25/2022

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Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 11/09/2022

Product code: GF-4088

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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