



## SAFETY DATA SHEET

SDS NUMBER: 000931-16-LPI

SDS REVISIONS: FORMAT

DATE OF ISSUE: 09/08/16

**WRANGLER® INSECTICIDE**

SUPERSEDES: 05/01/13

**FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300**

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

#### 1.1 PRODUCT IDENTIFIER:

TRADE NAME: **WRANGLER® INSECTICIDE**

#### 1.2 RECOMMENDED USE:

GROUP 4A INSECTICIDE

#### 1.3 SUPPLIER DETAILS:

LOVELAND PRODUCTS, INC.

P.O. Box 1286 • Greeley, CO 80632-1286

#### 1.4 24 Hour Emergency Phone: 1-800-424-9300 - Medical Emergencies: 1-866-944-8565 – Product Information: 1-888-574-2878 (LPI-CUST)

U.S. Coast Guard National Response Center: 1-800-424-8802

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### Classification according to 29 CFR 1910.1200

Acute Toxicity - Oral

Category 4

H302

Acute Toxicity - Dermal

Category 4

H312

Acute Toxicity – Inhalation

Category 4

H332

#### 2.2 Label elements



Signal word:

WARNING

Hazard Statement:

H302 – Harmful if swallowed.

H312 – Harmful in contact with skin.

H332 – Harmful if inhaled.

Precautionary  
Statement:

(Prevention):

P264 – Wash hands and face thoroughly after handling.

P270 – Do not eat, drink or smoke when using this product.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P261 – Avoid breathing dust/fume/gas/mist/vapors/spray.

P271 – Use outdoors or in a well-ventilated area.

Precautionary  
Statement:

(Response):

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P330 – Rinse mouth.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P312 – Call a POISON CENTER or doctor/physician if you feel unwell.

P321 – Specific treatment (see Note to Physician on the product label).

P362 – Take off contaminated clothing and wash it before reuse.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 – Call a POISON CENTER or doctor/physician if you feel unwell.

Precautionary  
Statement:

(Storage):

Not required or applicable.

Precautionary  
Statement:

(Disposal):

P501 – Dispose of contents/container on site or at an approved waste disposal facility or in accordance with local, state, and federal requirements.



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### 2.3 Other hazards

Risk to bees and other pollinators.

## 3. COMPOSITION, INFORMATION ON INGREDIENTS

### 3.1 Substances

### 3.2 Mixtures

#### Classification according to 29 CFR 1910.1200

Chemical Name:	CAS No.	Concentration [%]
Imidacloprid	138261-41-3, 105827-78-9	40.70
*Other ingredients	n/a	59.30

\*Ingredients not specifically listed are non-hazardous or are to be considered proprietary or confidential business information per 29 CFR 1910.1200(i)

## 4. FIRST AID MEASURES

### 4.1 Description of First Aid Measures

General Advice: Get medical attention if symptoms occur.

- If swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
- If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
- If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
- If in eyes:** 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.

### 4.2 Most Important Symptoms and Effects, Acute and Delayed

Symptoms: Oral: Harmful if swallowed.  
Dermal: Harmful in contact with skin.  
Inhalation: Harmful if inhaled.

### 4.3 Immediate Medical Attention and Special Treatment

Treatment: Treat symptomatically. Symptoms may be delayed.

**FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565**

Take container, label or product name with you when seeking medical attention.

**NOTES TO PHYSICIAN:** No specific antidote is available. Treat the patient symptomatically.

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## 5. FIRE FIGHTING MEASURES

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### 5.1 EXTINGUISHING MEDIA:

Suitable Extinguishing Media: Use medium appropriate to surrounding fire. Dry chemical, carbon dioxide (CO<sub>2</sub>), dry chemical, alcohol foam, foam, water spray or fog.

### 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Specific Hazards During Firefighting: None known.

### 5.3 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

Special Protective Equipment for Firefighters: Self-contained breathing apparatus and full protective gear should be worn. Fight fire from upwind and keep all non-essential personnel out of the area. Use water spray to keep fire exposed containers cool. Contain run-off by diking to prevent contamination of water supplies.

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## 6. ACCIDENTAL RELEASE MEASURES

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### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal Precautions: Avoid inhalation of vapors and spray mist and contact with skin and eyes. Ensure adequate ventilation. Wear suitable protective clothing.

### 6.2 ENVIRONMENTAL PRECAUTIONS

Environmental Precautions: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. This pesticide is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops/plants or weeds if bees are foraging. This product is toxic to wildlife and highly toxic to aquatic invertebrates. This chemical demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

### 6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP

Methods for Clean-Up: Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. After removal flush contaminated area thoroughly with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to Remove residual contamination. Never return spills to original containers for re-use.

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## 7. HANDLING AND STORAGE

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### 7.1 PRECAUTIONS FOR SAFE HANDLING:

Advice on Safe Handling: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### 7.2 CONDITIONS FOR SAFE STORAGE:

Requirements for Storage Areas and Containers: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Handle and open container in a manner as to prevent spillage. If the container is leaking, invert to prevent leakage. If container is leaking or material spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides below. In spill or leak incidents, keep unauthorized people away. Do not contaminate water, food or feed by storage or disposal.



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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### 8.1 CONTROL PARAMETERS:

##### OCCUPATIONAL EXPOSURE LIMITS

###### U.S. Workplace Exposure Level (ACGIH) TLVs

Components	Type	Value
No listings		

###### U.S. Workplace Exposure Level (OSHA) PELs

Components	Type	Value
No listings		

##### Biological limit values

###### ACGIH Biological Exposure Indices

Components	Value	Specimen
No listings		

#### 8.2 EXPOSURE CONTROLS:

##### Engineering Measures

Provide adequate general and local exhaust ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors and spray mists. Provide eyewash station and safety shower.

##### Individual Protection Measures:

Eye / Face Protection: Goggles or shielded safety glasses are recommended.  
Skin Protection: Long-sleeved shirt and long pants. Chemical-resistant gloves. Shoes plus socks.  
Respiratory Protection: In case of inadequate ventilation or risk of inhalation of mists or vapors, use suitable respiratory equipment such as MSHA/NIOSH TC-84A with NIOSH equipped N, R, or P class filter media. Wear respiratory protection during operations where spraying or misting occurs. If respirators are used, a program should be in place to assure compliance with 29 CFR 1910.134, the OSHA Respiratory Protection standard. Wear air supplied respiratory protection if exposure concentrations are unknown.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 APPEARANCE : Liquid suspension  
ODOR: Negligible.  
ODOR THRESHOLD: No data available.  
COLOR: Brown.  
pH: 7.36.  
MELTING POINT / FREEZING POINT: No data available.  
BOILING POINT: No data available.  
FLASH POINT: Not applicable.  
FLAMMABILITY (solid, gas): No data available.  
UPPER / LOWER FLAMMABILITY OR EXPLOSIVE LIMITS: No data available.  
VAPOR PRESSURE: No data available.  
SOLUBILITY: Dispersible.  
PARTITION CO-EFFICIENT, n-OCTANOL / WATER: No data available.  
AUTO-IGNITION TEMPERATURE: No data available.  
DECOMPOSITION TEMPERATURE: No data available.  
VISCOSITY: No data available.  
SPECIFIC GRAVITY (Water = 1): 1.206 g/ml  
DENSITY: 10.06 lbs./gal | 1.21 kg/L

Note: These physical data are typical values based on material tested but may vary from sample to sample.  
Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.



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### 10. STABILITY AND REACTIVITY

#### 10.1 REACTIVITY

Stable

#### 10.2 CHEMICAL STABILITY

Stable under normal temperature conditions.

#### 10.3 POSSIBILITY OF HAZARDOUS REACTIONS

Will not polymerize at normal temperatures.

#### 10.4 CONDITIONS TO AVOID

None known.

#### 10.5 INCOMPATIBLE MATERIALS

None known.

#### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Hydrogen chloride and oxides of nitrogen from thermal decomposition.

### 11. TOXICOLOGICAL INFORMATION

#### 11.3 LIKELY ROUTES OF EXPOSURE

Ingestion. Skin absorption. Inhalation.

**LC<sub>50</sub> (rat):** 2.1 mg/L (4 HR)

**LD<sub>50</sub> Oral (rat):** 4,960 mg/kg

**LD<sub>50</sub> Dermal (rat):** > 5,050 mg/kg

**Acute Toxicity Estimates:** No data available

**Skin Irritation (rabbit):** Not an irritant.

**Eye Irritation (rabbit):** Minimal irritation.

**Specific Target Organ Toxicity:** No data available.

**Aspiration:** No data available.

**Skin Sensitization (guinea pig):** Sensitizer

**Carcinogenicity:** No data available.

**Germ Cell Mutagenicity:** No data available

**Interactive Effects:** None known

### 12. ECOLOGICAL INFORMATION

#### 12.3 ECOTOXICITY

The product is highly toxic to aquatic invertebrates. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

##### Ecotoxicological Data

	Species	Test Results
Imidacloprid	Apis mellifera	0.005 – 0.07 µg/bee – LD <sub>50</sub> acute oral
	Apis mellifera	0.024 µg/bee – LD <sub>50</sub> contact

Drift or runoff may adversely affect non-target plants.

Do not apply directly to water.

Do not contaminate water when disposing of equipment wash water.

Do not apply when weather conditions favor drift from target area.

#### 12.2 PERSISTENCE AND DEGRADABILITY

Biodegradability: No data available.

#### 12.3 BIOACCUMULATIVE POTENTIAL

Bioaccumulation: No data available

#### 12.4 MOBILITY IN SOIL

No data available

#### 12.5 OTHER ADVERSE EFFECTS

Assessment: No data available.



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### 13 DISPOSAL CONSIDERATIONS

#### 13.1 WASTE TREATMENT METHODS

Wastes may be disposed of on site or at an approved waste disposal facility. Triple rinse (or equivalent), adding rinse water to spray tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by appropriate authorities. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at <http://www.acrecycle.org/>. Do not contaminate water, food or feed by storage or disposal.

### 14 TRANSPORT INFORMATION

#### 14.3 LAND TRANSPORT

DOT Shipping Description: NOT REGULATED BY DOT

U.S. Surface Freight Classification: INSECTICIDES OR FUNGICIDES, INSECT OR ANIMAL REPELLENTS, NOI, OTHER THAN POISON (NMFC 102120, CLASS: 60)

### 15 REGULATORY INFORMATION

#### 15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS

##### NFPA & HMIS Hazard Ratings:

##### NFPA

2	Health	0	Least
1	Flammability	1	Slight
0	Instability	2	Moderate
		3	High
		4	Severe

##### HMIS

2	Health
1	Flammability
0	Reactivity
B	PPE

##### SARA Hazard Notification/Reporting

SARA Title III Hazard Category:	Immediate	<u>N</u>	Fire	<u>N</u>	Sudden Release of Pressure	<u>N</u>
	Delayed	<u>N</u>	Reactive	<u>N</u>		

Reportable Quantity (RQ) under U.S. CERCLA: Not listed.

SARA, Title III, Section 313: Not listed.

RCRA Waste Code: Not listed.

CA Proposition 65: Not applicable.

This chemical is a pesticide product registered by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

#### CAUTION

Harmful if swallowed, absorbed through skin, or inhaled.

Avoid breathing vapor or spray mist.

Wash thoroughly with soap and water after handling.

Remove contaminated clothing and wash before reuse.



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### 16 OTHER INFORMATION

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**SDS STATUS:** Format revised.

**PREPARED BY:** Registrations and Regulatory Affairs

**REVIEWED BY:** Environmental Health and Safety

**EPA REG. NO.:** 34704-931

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