

**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:** EPA REGISTRATION NO. 34704-1009  
TRADE NAME: MALICE® 75 WSP
- 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
Eye Damage/Irritation	Category 2B	H320
Acute Toxicity – Inhalation	Category 4	H332

**2.2 Label elements**



Signal word: WARNING  
Hazard Statement: H302 – Harmful if swallowed.  
H320 – Causes eye irritation.  
H332 – Harmful if inhaled.

Precautionary Statement: (Prevention): P261 – Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 – Wash hands and face thoroughly and exposed areas after handling.  
P270 – Do not eat, drink or smoke when using this product.  
P271 – Use only outdoors or in a well-ventilated area.  
P272 – Contaminated work clothing should not be allowed out of the workplace.  
P280 – Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statement: (Response): P301+P312 – IF SWALLOWED: Call a poison center or doctor/physician if you fell unwell.  
P330 – Rinse mouth.  
P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
P337+P313 – If eye irritation persists: Get medical advice/attention.  
P304+P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P312 – Call a poison center or doctor/physician if you fell unwell.

Precautionary Statement: (Storage): Not required or applicable.

Precautionary Statement: (Disposal): P501 – Dispose of contents/container according to local, state, and federal regulations.



# SAFETY DATA SHEET

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2.3 Other hazards  
None known.

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## 3. COMPOSITION, INFORMATION ON INGREDIENTS

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### 3.1 Substances

### 3.2 Mixtures

#### Classification according to 29 CFR 1910.1200

Chemical Name:	CAS No.	Concentration [%]
Imidacloprid	138261-41-3	75.00
*Other ingredients		25.00

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

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## 4. FIRST AID MEASURES

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### 4.1 Description of First Aid Measures

General Advice: Get medical attention if symptoms occur.

<b>If swallowed:</b>	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 a poison control centre or doctor. Do not give anything by mouth to an unconscious person.
<b>If in eyes:</b>	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.
<b>If inhaled:</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.
<b>If on skin or clothing:</b>	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.

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

Symptoms: Harmful if swallowed. Causes eye irritation. 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. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

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## 5. FIRE FIGHTING MEASURES

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### 5.1 EXTINGUISHING MEDIA:

Suitable Extinguishing Media: Dry chemical, carbon dioxide (CO<sub>2</sub>), alcohol foam, foam, water spray or fog. Do not use water jet as this will spread the fire.

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

Specific Hazards During Firefighting: During a fire, hazardous by-products can be released.

### 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 in fighting large fires involving chemicals. Use water spray to keep fire exposed containers cool. Keep people away. Isolate fire and deny unnecessary entry.



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**6. ACCIDENTAL RELEASE MEASURES**

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

Personal Precautions: Avoid breathing dusts. And contact with skin and eyes. Ensure adequate ventilation. Wear suitable protective clothing.

**6.2 ENVIRONMENTAL PRECAUTIONS**

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not contaminate water. Do not allow to enter drains, sewers, or watercourses.

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

**Methods for Clean-Up:**

Sweep up dry spills immediately and transfer to suitable containers for possible land application according to label use or for disposal. Check local, state and federal regulations for proper disposal. Never return spills to original containers for re-use.

**7. HANDLING AND STORAGE**

**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: Keep/store in original container. Store locked up. Keep out of reach of children. Do not contaminate water, food, or feed by storage or disposal.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**8.1 CONTROL PARAMETERS:**

**OCCUPATIONAL EXPOSURE LIMITS**

**U.S. Workplace Exposure Level (OSHA, ACGIH or AIHA) Guides**

Components	Type	Value
No data available	TWA	
Particulates not otherwise classified / regulated (PNOC; PNOR)	TWA	15 mg/m <sup>3</sup> (Total dust); 5 mg/m <sup>3</sup> (Respirable fraction)

**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 dusts and spray mists. Provide eyewash station and safety shower.

**Individual Protection Measures:**

Eye / Face Protection: Goggles or shielded safety glasses are recommended.  
 Skin Protection: Wear chemical-resistant gloves. Long-sleeved shirt, long pants, and socks.  
 Respiratory Protection: In case of inadequate ventilation or risk of inhalation of mists or vapors, use suitable respiratory equipment such as MSHA/NIOSH approved respirator with approved filter. 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.



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### 9. PHYSICAL AND CHEMICAL PROPERTIES

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9.1 APPEARANCE:	Powder.
ODOR:	Faint.
ODOR THRESHOLD:	No data available.
COLOR:	Off-white to beige.
pH:	7.0 (1% suspension in water).
MELTING POINT / FREEZING POINT:	No data available.
BOILING POINT:	Not applicable.
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, kinematic:	No data available.
SPECIFIC GRAVITY (Water = 1):	0.48 g/ml
DENSITY:	30 lbs/ft <sup>3</sup> (tapped)   480.5 kg/m <sup>3</sup> (tapped)

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

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#### 10.1 REACTIVITY

Stable

#### 10.2 CHEMICAL STABILITY

Stable under normal temperature conditions

#### 10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No reactions known under normal use conditions. Will not polymerize.

#### 10.4 CONDITIONS TO AVOID

None known.

#### 10.5 INCOMPATIBLE MATERIALS

No data available.

#### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

May include but are not limited to oxides of carbon, hydrogen chloride, oxides of nitrogen, hydrogen cyanide (hydrocyanic acid).

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### 11. TOXICOLOGICAL INFORMATION

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#### 11.1 LIKELY ROUTES OF EXPOSURE

Ingestion. Eye contact. Inhalation. Skin contact.

**LC<sub>50</sub> (male rat):** 2.65 mg/l (4 HR) | **LC<sub>50</sub> (female rat):** 2.75 mg/l (4 HR)

**LD<sub>50</sub> Oral (male rat):** 2,591 mg/kg | **LD<sub>50</sub> Oral (female rat):** 1,858 mg/kg

**LD<sub>50</sub> Dermal (rat):** > 2,000 mg/kg

**Acute Toxicity Estimates:** No data available

**Skin Irritation (rabbit):** Causes slight skin irritation.

**Eye Irritation (rabbit):** Causes eye irritation.

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

**Aspiration:** No data available

**Skin Sensitization (mouse):** Not a sensitizer.

**Carcinogenicity:** No data available

**Germ Cell Mutagenicity:** No data available

**Interactive Effects:** None known



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### 12. ECOLOGICAL INFORMATION

#### 12.1 ECOTOXICITY

The product is highly toxic to aquatic invertebrates. 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 product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are foraging. This product is toxic to wildlife. 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 groundwater contamination.

#### Ecotoxicological Data

	Species	Test Results
Imidacloprid	Oncorhynchus mykiss	211 mg/l, 96-hour LC <sub>50</sub>
	Daphnia magna	85 mg/l, 48-hour EC <sub>50</sub>
	Chironomus riparius	0.0552 mg/l (24-hour Lc <sub>50</sub> )

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: Not rapidly biodegradable.

#### 12.3 BIOACCUMULATIVE POTENTIAL

Bioaccumulation: Does not bioaccumulate.

#### 12.4 MOBILITY IN SOIL

Moderately mobile in soils.

#### 12.5 OTHER ADVERSE EFFECTS

Assessment: No data available.

### 13. DISPOSAL CONSIDERATIONS

#### 13.1 WASTE TREATMENT METHODS

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal: Do not reuse or refill this container. Outer Packaging:** Outer Packaging for this product is secondary packaging to contain either non water soluble plastic bags or water soluble plastic bags: Thoroughly rinse any soluble powder residue from pail or box into application equipment; then offer for recycling if available or dispose of in a sanitary landfill. **Non water-soluble plastic bags:** Completely empty plastic bags into application equipment, ensure that all product is removed from the bag and then offer for recycling if available or dispose of in a sanitary landfill. **Water-soluble plastic bags:** After adding water-soluble plastic bags to the spray tank, allow sufficient time for bags to dissolve before spraying. There is no container disposal once the bag has been dissolved in the spray tank. Do not contaminate water, food or feed by storage or disposal.

### 14. TRANSPORT INFORMATION

#### 14.1 LAND TRANSPORT

DOT Shipping Description: NOT REGULATED.

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

HMIS

1 Health

0 Least

1 Health

0 Flammability

1 Slight

0 Flammability

0 Instability

2 Moderate

0 Reactivity

3 High

B PPE

4 Severe



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## SARA Hazard Notification/Reporting

SARA Title III Hazard Category: Immediate Y Fire N Sudden Release of Pressure N  
Delayed N Reactive N

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, inhaled, or absorbed through skin.  
Causes eye irritation.  
Avoid contact with skin, eyes or clothing.  
Avoid breathing dust or vapor.  
Wash thoroughly with soap and water after handling.  
Remove contaminated clothing and wash before reuse.  
Keep children or pets off treated areas until spray is dry.

## 16. OTHER INFORMATION

SDS STATUS: Format change

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental Health and Safety

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