

MATERIAL SAFETY DATA SHEET

SUPER CLOPRID 4 AG

J. Oliver Products, LLC.

Spill Emergency Phone: Chemtrec 800-424-9300

Effective Date: May 2, 2008

EPA Reg. No. 53883-225-83222

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT NAME: SUPER CLOPRID 4 AG

Active Ingredient: Imidacloprid

Chemical Name: 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine

Chemical Formula: C₉H₁₀ClN₅O₂

COMPANY IDENTIFICATION:

J. Oliver Products, LLC
3187 Robertson Gin Rd.
Hernando, MS 38632
UNITED STATES

2. COMPOSITION/INFORMATION ON INGREDIENTS:

Imidacloprid	CAS No. 138261-41-3	42.30%
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3. HAZARD IDENTIFICATION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS: Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes, or clothing.

ENVIRONMENTAL HAZARDS: This 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 the foliage of blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

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.

4. FIRST AID

IF ON SKIN OR CLOTHING: Call a poison control center or doctor for treatment advice. Take off contaminated clothing. Rinse skin immediately with water for 15-20 minutes.

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.

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 a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration (preferably by mouth-to-mouth) if possible.

NOTE TO PHYSICIAN: No specific antidote is available. Treat patient symptomatically.

5. FIRE-FIGHTING MEASURES

Flash point: N/A

Flammable Limits (LFL-UFL): Unknown

Fire and Explosion Hazards: Can burn in fire releasing irritating and toxic gasses due to thermal decomposition or combustion.

Means of Extinction: Use foam, dry chemical, carbon dioxide or water spray.

Fire Fighting Instructions: Evacuate area and fight fire upwind a safe distance to avoid hazardous vapors and decomposition products. Cool closed containers exposed to fire with water spray. Dike and collect water used to fight fire to prevent environmental damage due to runoff. Foam or dry chemical extinguishing systems are preferred to prevent environmental damage due to runoff. Equipment or materials involved in pesticide fires may become contaminated.

Firefighting Equipment: Self-contained breathing apparatus with full face piece.

Hazardous Combustion Products: Hydrogen cyanide, hydrogen chloride, carbon monoxide and nitrogen oxide.

6. ACCIDENTAL RELEASE MEASURES

Clean up spills immediately observing the precautions in Section 8 of this MSDS. Isolate the hazard area and keep unnecessary and unprotected personnel from entering. Do not walk through spilled material and avoid breathing vapors and skin contact. Do not allow material to enter streams, sewers or other waterways or to contact vegetation.

For large spills, material should be recovered. For small spills, absorb with absorbent granules, spill control pads or other absorbent material. Carefully sweep up absorbed spilled material and place in covered container for disposal. Scrub contaminated area with soap and water and use dry absorbent granules to collect wash solution for disposal. Contaminated soil may have to be removed and disposed.

7. HANDLING AND STORAGE

Avoid breathing dust or vapor. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: To avoid exceeding exposure limits, handle only with adequate ventilation. Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

Protective Clothing: Tight fitting safety goggles. Chemical resistant gloves made of waterproof material such as polyethylene or polyvinyl chloride (PVC). Long-sleeved shirt, long pants and shoes plus socks. A respirator is not required when handled under normal conditions. When handling in enclosed areas with inadequate ventilation, use a dust / mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C).

General: Wash thoroughly with soap and water after handling. Discard clothing and other absorbent materials that have been heavily contaminated with this product; do not reuse them. Follow the

manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Off-white viscous liquid

Odor: mild

pH: 7.62

Flashpoint (PMA-4): Not established

Density: 1.111 g/cm³

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Extreme Temperatures.

CHEMICAL STABILITY: Stable but may decompose if heated.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen chloride, hydrogen cyanide and oxides of nitrogen and carbon.

INCOMPATIBILITY WITH OTHER MATERIALS: None known.

POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY

Oral LD₅₀ (rat): 1,190 mg/kg

ACUTE DERMAL TOXICITY

Dermal LD₅₀ (rat): > 5,000 mg/kg

ACUTE INHALATION TOXICITY

Inhalation LC₅₀ (rat): > 3.452 mg/L

EYE IRRITANT

Rabbit – Non-Irritating.

SKIN IRRITATION

Rabbit – Non-Irritating

SENSITIZATION

Guinea Pig – Not a Contact Sensitizer

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

CARCINOGENICITY:

ACGIH: Not listed

IARC: Not listed

NTP: Not listed

OSHA: Not listed

MUTAGENIC DATA: No evidence of mutagenic effects during *in vivo* and *in vitro* assays.

ADDITIONAL DATA: Not known to cause reproductive or birth defects at normal exposure levels.

12. ECOLOGICAL INFORMATION

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13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food or feed by disposal.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

14. TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME: Not Regulated by DOT

DOT HAZARD CLASS OR DIVISION: N/A

DOT UN/NA NUMBER: N/A

DOT PACKING GROUP: N/A

REPORTABLE QUANTITY: N/A

MARINE POLLUTANT: Not Listed

DOT EMERGENCY RESPONSE GUIDE: N/A

15. REGULATORY INFORMATION

FIFRA –

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act. The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide.

SARA Title III – Section 302 Extremely Hazardous Substances

Not Listed

SARA Title III – Section 311/312 Hazard Categories

Immediate

SARA Title III – Section 312 Threshold Planning Quantity

N/A

SARA Title III – Section 313 Reportable Ingredients

None

CERCLA –

None Listed

CALIFORNIA PROP 65 STATUS –

Not listed

16. OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

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