Safety Data Sheet

1. Identification

Product Name : OMNI BRAND IMIDACLOPRID 2F INSECTICIDE
Synonyms : None
Product Use : Imidacloprid insecticide
Manufacturer/Supplier : Helena Agri-Enterprises, LLC
Address : 225 Schilling Blvd. Collierville, TN 38017
General Information : 901-761-0050
Transportation Emergency Number : CHEMTREC:800-424-9300

2. Hazard Identification

Signal Word : Warning
Skin Irritation : Not classified as hazardous under 29 CFR 1910.1200 (2012)
Eye Irritation : Not classified as hazardous under 29 CFR 1910.1200 (2012)
Acute Toxicity Oral : LD50 1,030 mg/kg (female rat)
Acute Toxicity Dermal : Not classified as hazardous under 29 CFR 1910.1200 (2012)

Hazard Categories : Oral/Inhalation Toxicity-4/4

Hazard Statement : Harmful if swallowed
Harmful if inhaled

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Imidacloprid	138261-41-3	22.6 (min)
Sodium Bentonite	1302-78-9	1.5 (max)
Propylene glycol	57-55-6	5.0
Other ingredients deemed not to be hazardous	Proprietary	Balance

4. First Aid Measures

Eye : Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.
Skin : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
Inhalation : 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.
Ingestion : Call a poison control center or doctor immediately for treatment advice. Rinse mouth with water. Do not induce vomiting. Do not give anything by mouth if unconscious.
Indication of Immediate Medical Attention and Special Treatment Needed : In the event of an adverse response, treatment should be directed toward control of the symptoms.

5. Fire Fighting Measures

Extinguishing Media	: Use water spray, carbon dioxide (CO2), alcohol-resistant foam or dry chemical extinguishing agents.
Specific Hazards Arising from the Chemical	: May emit hydrogen chloride, hydrogen cyanide (hydrocyanic acid), carbon monoxide, nitrogen oxides (NOx) under fire conditions.
Special Fire Fight Proc	: Keep out of smoke. Cool exposed containers with water spray. Fight fire from upwind position. Use self-contained breathing apparatus and full protective clothing. Do not allow runoff from fire fighting to enter drains or water courses.

6. Accidental Release Measures

Personal Precautions	: Isolate area and keep unauthorized people away. Avoid breathing vapors and skin contact.
Protective Equipment	: Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.
Emergency Procedures	: Do not allow product to enter streams, sewers or other waterways. Do not allow product to contact vegetation.
Methods and Materials for Containment and Cleanup	: Take up with absorbent material, such as sand, diatomaceous earth or vermiculite. Keep in suitable closed containers for disposal. Clean contaminated floors and objects thoroughly, observing environmental regulations. Contaminate soil may have to be removed and disposed.

7. Handling and Storage

Precautions for Safe Handling	: Use only outdoors or in a well-ventilated area. Avoid breathing fumes/vapors. Handle and open container in a manner as to prevent spillage. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin or on clothing. Keep container tightly closed. Do not ingest or inhale. Use with adequate ventilation. Keep away from heat, sparks and flame.
Conditions for Safe Storage	: Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Store in a cool, dry place. Do not store diluted spray.

8. Exposure Controls / Personal Protection

TLV/PEL	: Sodium bentonite: PEL = 5 mg/m3 (respirable fraction). Imidacloprid: no TLV or PEL established.
Appropriate Engineering Controls	: Maintain exposure levels below the exposure limit through the use of general and local exhaust ventilation.
Personal Protective Equipment	: Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

Odor/Appearance	: White opaque thick liquid; aromatic-like odor.
Flash Point, ^{0}F	: >100 Degrees C.
Boiling Point, ^{0}F	: Not determined
Melting Point(Freezing point), ^{0}C	: No data available
Vapor Pressure, mm Hg @ 20 ^{0}C	: 9x10(-10) mPa (25 Deg. C.)
Vapor Density	: No data available
Solubility in Water	: Dispersible
Molecular Formula	: Not applicable, formulated mixture.
Density, g/mL @ 25 ^{0}C	: 1.11

Evaporation Rate(Butyl Acetate = 1)	: No data available
Octanol/Water Partition Coefficient	: Log P=0.57@21 Deg. C. (imidacloprid)
pH	: 5.0 to 7.0 @ 25 Deg. C.
Flammable Limits (approximate volume % in air)	: No information found
Auto-ignition Temperature	: No information found
Decomposition temperature	: >230 Deg. C.

10. Stability and Reactivity

Reactivity	: Not reactive
Chemical Stability	: Stable
Hazardous Decomposition Products	: Under fire or other extreme conditions: Hydrogen chloride, hydrogen cyanide (hydrocyanic acid), carbon monoxide, nitrogen oxides.
Hazardous Polymerization	: Will not occur
Conditions to Avoid	: Excessive heat. For imidacloprid, strong exothermal reaction may occur at temperatures above 200 Degrees C.
Incompatible Materials	: None known

11. Toxicological Information

Acute Toxicity (Oral LD50)	: 1,030 mg/kg (female rat). Harmful if swallowed.
Acute Toxicity (Dermal LD50)	: 5,000 mg/kg (rabbit). Not classified as hazardous under 29 CFR 1910.1200 (2012).
Acute Toxicity Inhalation LC50	: >2.03 mg/L/4 hours (male rats). Harmful if inhaled.
Likely Routes of Exposure	: Ingestion, inhalation
Skin Irritation	: Not classified as hazardous under 29 CFR 1910.1200 (2012).
Eye Irritation	: Not classified as hazardous under 29 CFR 1910.1200 (2012).
Skin Sensitization	: No skin sensitizing reaction in Guinea pigs.
Carcinogenic	: Not listed by IARC, NTP or OSHA.
Chronic Effects	: In chronic dietary studies in rats and dogs exposed to imidacloprid, the target organs were the thyroid and/or liver.
Other Hazards	: Not a reproductive toxicant, not teratogenic, not genotoxic, not mutagenic.

12. Ecological Information

Ecotoxicity	: This product is highly toxic to bees exposed to direct treatment or residues in blooming crops, plants or weeds. Toxic to wildlife and highly toxic to aquatic invertebrates.
Persistence and Degradability	: The time required for 50% of the field-applied Imidacloprid to dissipate (DT50) can range from approximately 80 days to 2 years. Classified as persistent in soil.
Bioaccumulative Potential	: Low bioaccumulative potential.
Mobility in Soil	: Low mobility at low application rate and with aging.
Other Adverse Effects	: Imidacloprid was found to be hydrolysis stable with a half-life >1 year at pH 5 and 7. Imidacloprid has a photolysis half-life of 39 days at the soil surface, with a range of 26.5-229 days when incorporated into the soil.

13. Disposal Considerations

Waste Disposal Method : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

14. Transport Information

UN Proper Shipping Name : Not regulated by DOT.
Transport Hazard Class : None
UN Identification Number : None
Packaging Group : None
Environmental Hazards : Marine Pollutant per EU criteria but not listed on Appendix B to 49 CFR 172.101.
Transport in Bulk : Not regulated
Special Precautions for Transportation : If shipped by air (IATA) or vessel (IMDG), ship as: UN3082, Environmentally Hazardous Substance, Liquid, n.o.s., (Imidacloprid), 9, PG III, Marine Pollutant
Freight Classification : Pesticides, NOI, Insecticides, Other than Poison (NMFC Item 155050, Sub 11, Class 70)

15. Regulatory Information

National Fire Protection Association Rating :

Health: 1 Fire: 1 Reactivity: 1
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

S.A.R.A Title III Hazard Classification (Yes/No) :

Immediate(Acute) Health: Y
Delayed (Chronic) Health: Y
Sudden Release of Pressure: N
Fire: N
Reactive: N

FIFRA Information : This Chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling 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:
EPA Registration Number : 38167-36-5905
FIFRA Signal Word : Caution
FIFRA Label Statement : Keep out of reach of children.
FIFRA Label Statement : Harmful if inhaled.
FIFRA Label Statement : Harmful if swallowed.
FIFRA Label Statement : Avoid breathing spray mist.
FIFRA Label Statement : Remove and wash contaminated clothing before reuse.
FIFRA Label Statement : Wash thoroughly with soap and water after handling and before eating, drinking,
FIFRA Label Statement : chewing gum, using tobacco, or before using the toilet.

16. Other Information

Data of Preparation/Revision : 06-September-2018