

MATERIAL SAFETY DATA SHEET1. PRODUCT AND COMPANY IDENTIFICATION

Product Identity: IMICIDE™

EPA Registration No.: 7946-16

J. J. MAUGET COMPANY
 5435 PECK ROAD
 ARCADIA, CA 91006-5847

In Case of Emergency, Call
 (626) 444-1057

2. COMPOSITION/INFORMATION ON INGREDIENTS

Active ingredient (% w/w): Imidacloprid Technical (10.0%)

CAS No.: 138261-41-3

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

Synonyms: Bay NTN 33893, Imidacloprid

Chemical Class: Insecticide

EPA Signal Word: Caution

| | OSHA <u>PEL</u> | ACGIH <u>TLV</u> | <u>% Ingredients</u> |
|--------------|--------------------|---------------------|----------------------|
| Imidacloprid | N/A | N/A | 10.0 |

Inert ingredient:

| | | | |
|-----------------------------------|-----|-----|-------------|
| Tetrahydrofurfuryl alcohol (THFA) | N/A | N/A | Proprietary |
|-----------------------------------|-----|-----|-------------|

3. HAZARDS IDENTIFICATION

Symptoms of Exposure: Skin and eye contact are the most likely routes of exposure. Causes eye irritation. Slightly irritating to skin.

Routes of Entry: Inhalation, skin and through ingestion

Carcinogenicity: Not listed: NTP, IARC, and OSHA

4. FIRST AID MEASURES

INGESTION: 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.

SKIN CONTACT: 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 irritation develops.

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.

INHALATION: 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. Call a poison control center or doctor for treatment advice.

HOT LINE NUMBER: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may contact 1-800-535-5053 for emergency treatment information.

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

5. FIRE FIGHTING MEASURES

FLASH POINT: 89°C, 192°F
METHOD USED: Pensky-Martens closed cup
FLAMMABILITY LIMITS: UEL = 1.5%
LEL = 9.7%

EXTINGUISHING MEDIA: Water spray, carbon dioxide, dry chemical, or foam.

SPECIAL EXPOSURE HAZARDS: Use self-contained breathing apparatus and full protective clothing. Use water spray to cool nearby containers and structures exposed to fire.

PRODUCTS OF COMBUSTION AND DECOMPOSITION: See Section 10 – Stability and Reactivity

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: See Section 8 – Exposure Controls/Personal Protection

Environmental Precautions: Product is highly toxic to aquatic invertebrates. Do not allow material to enter streams, sewers, or other waterways.

Spill or leak procedures: Stop spill source at once. Dike area and contain. If possible, pump liquid into salvage tank. Remaining residue may be taken up with absorbent material and shoveled into containers. Evaporate until all vapors are gone. Dispose of in accordance with all State and Federal regulations.

7. HANDLING AND STORAGE

Store capsules in an upright position, above 45°F, in a cool, dry place. Do not contaminate water, food, feed by storage or disposal. Wash thoroughly with soap and water after handling.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory: Not normally needed.

Eye: Wear protective eyewear.

Ventilation: Use where adequate ventilation is available.

Other Protective Devices and Procedures: Wear chemical resistant gloves, such as polyethylene or butyl rubber, neoprene rubber or viton. Wear long sleeved shirt and long pants, shoes plus socks.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, yellow colored liquid

Odor: Fruity fragrance

pH: 5.40

Boiling Point: 178°C, 352°F

Melting Point: N/A

Vapor Pressure: 0.2 mm Hg @ 20°C, 68°F

Vapor Density: 2.7 (air = 1)

Viscosity: 5.5 cP @ 50 rpm (20°C, 68°F)
Specific Gravity: 1.109
Density: 1.107 g/mL
Evaporation Rate: Slow (< 0.01)
Solubility in Water: Limited

10. STABILITY AND REACTIVITY

Stable under normal storage conditions.

Conditions to avoid: Heat, sparks or open flame

Materials to avoid: Avoid oxidizing agents

Hazardous decomposition products: Combustion produces carbon monoxide, carbon dioxide and sulfur oxides.

Hazardous polymerization: Will not occur

11. TOXICOLOGICAL INFORMATION

Acute oral LD50: Male and female rats > 2,000 mg/kg
Acute dermal LD50: Male and female rats > 2,000 mg/kg
Primary eye irritation: Mildly irritating to the rabbit eye.
Primary skin irritation: Classified as slightly irritating to rabbit skin.
Primary Dermal Irritation Index (PDII) = 1.2.

12. ECOLOGICAL INFORMATION

Aquatic invertebrates: EC50 ≤ 1 ppm (Imidacloprid Technical)

13. DISPOSAL CONSIDERATIONS

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR Part 261. For disposal of wastes generated during use or if the material as supplied becomes a waste, dispose as directed on the label. Do not reuse container.

Observe all federal, state and local laws concerning health and environment.

14. TRANSPORT INFORMATION

PROPER SHIPPING NAME: Imidacloprid
HAZARD CLASS: Not regulated
PACKING GROUP: N/A

DOT (Domestic Surface): Not regulated
IMO (Ocean): Not regulated
ICAO and IATA (Air): Not regulated

For further information relative to spills resulting from transportation incidents, refer to the latest Department of Transportation (DOT) Emergency Response Guidebook for Hazardous Materials Incidents.

15. REGULATORY INFORMATION

OSHA: This product is considered hazardous under the criteria of the OSHA Hazard Communication Standard 29 CFR Part 1910.1200.

TSCA: The product is exempt from TSCA regulation under FIFRA Section 3 (2) (B) (ii) when used as a pesticide.

CERCLA: Reportable Quantity not applicable

California Addendum (Proposition 65) Safe Drinking Water and Toxic Enforcement Act of 1986.

The following specific warnings are hereby given relative to substances that the State of California has identified as carcinogens and/or reproductive hazards under Proposition 65:

WARNING: This product contains a chemical known to the State of California to cause cancer.

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

SARA TITLE III HAZARD CATEGORY: For reporting under Section 311 & 312

Components present in this product that require reporting under the statute are: None

16. OTHER INFORMATION

| | |
|-----------------|------------|
| HAZARD RATINGS: | NFPA |
| Health | 1 (Slight) |
| Flammability | 1 (Slight) |
| Reactivity | 1 (Slight) |

MSDS Issue Date: June 1, 2005

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein.