

1. IDENTIFICATION

Product name: **Pasada 75WSB**
 Chemical name of active ingredient(s): Imidacloprid (75%): 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine
 Manufacturer: Makhteshim-Agan of North America, Inc.
 4515 Falls of Neuse Road, Suite 300
 Raleigh, NC 27609
 Phone: 919-256-9300
 For fire, spill, and/or leak emergencies, contact Infotrac: Phone: 1-800-535-5053
 For medical emergencies and health and safety inquiries, contact Prosar: Phone: 1-877-250-9291

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMMON NAME	CAS NO.	%	OSHA PEL	ACIGH TLV	OTHER	NTP/IARC/OSHA (Carcinogen)
Imidacloprid	138261-41-3	75	NE	NE	-	NA
NE=not established NA=not available						

3. HAZARDS IDENTIFICATIONS

PHYSICAL PROPERTIES

Appearance: Light brown powder
 Odor: Odorless

EMERGENCY OVERVIEW: CAUTION. Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes or clothing. Avoid breathing dust or vapor.

ROUTES OF EXPOSURE: Ingestion, eye contact, skin contact, skin absorption, inhalation.

HAZARDOUS DECOMPOSITION PRODUCTS

Proposed: HCl, HCN, CO, NOx (for imidacloprid).

MEDICAL CONDITIONS LIKELY TO BE AGGRAVATED BY EXPOSURE

None known.

4. FIRST AID MEASURES

FIRST AID

- 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.
- IF IN EYES:**
- Do not give anything by mouth to an unconscious person.
 - 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 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.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

You may also contact 1-877-250-9291 for emergency medical treatment information.

Note To Physician: No specific antidote is available. Treat the patient symptomatically.

5. FIRE FIGHTING MEASURES

FLASH POINT: Not applicable

FLAMMABLE LIMITS

LFL: Not established

UFL: Not established

EXTINGUISHING MEDIA: Water, CO₂, dry chemical or foam.

HAZARDOUS DECOMPOSITION PRODUCTS

HCl, HCN, CO, NO_x (for imidacloprid).

FIRE-FIGHTING PROCEDURES

Keep out of smoke, cool exposed containers with water spray. Fight fire from upwind position. Use self-contained breathing equipment. Contain run-off by diking to prevent entry into sewers and waterways. Equipment or materials involved in pesticide fires may become contaminated.

6. ACCIDENTAL RELEASE MEASURES

ACTION TO TAKE FOR SPILLS/LEAKS: Isolate area and keep unauthorized people away. Do not walk through spilled material. Avoid breathing dusts and skin contact. Avoid generating dust (a fine water spray mist, plastic film cover, or floor sweeping compound may be used if necessary). Use recommended protective equipment while carefully sweeping up spilled material. Place in covered container for reuse or disposal. Scrub contaminated area with soap and water. Rinse with water. Use dry absorbent material such as clay granules to absorb and collect wash solution for proper disposal. Scrub contaminated area with soap and water. Rinse with water. Use dry absorbent material such as clay granules to absorb and collect wash solution for proper disposal. Contaminated soil may have to be removed and disposed. Do not allow material to enter streams, sewers, or other waterways.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING: Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

PRECAUTIONS TO BE TAKEN IN STORAGE: Store in a cool dry area designated specifically for pesticides. Do not store any material intended for use or consumption by humans or animals. Do not allow to freeze.

STORAGE TEMPERATURE (MIN/MAX):

Minimum: Normal ambient temperatures.

Maximum: 30 day average not to exceed 100° F (38° C)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING AND USE OF THIS PRODUCT.

FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

EYE PROTECTION: Goggles should be used when needed to prevent dust from getting into eyes.

SKIN PROTECTION: Wear long sleeves and trousers to prevent skin contact.

HAND PROTECTION: The use of chemical-resistant gloves to prevent skin contact is recommended as good practice.

VENTILATION REQUIREMENTS: Control exposure levels through the use of general and local exhaust ventilation where needed.

RESPIRATOR REQUIREMENTS: Under normal handling conditions, no respiratory protection is needed; however, when potential exposure to product dust is excessive, wear a NIOSH-approved respirator for dusts and mists or for pesticides.

ADDITIONAL PROTECTIVE MEASURES: Clean water should be available for washing in case of eye or skin contamination. Educate and train employees in safe use of the product. Follow all label instructions. Launder clothing after use. Wash thoroughly after handling.

USER SAFETY RECOMMENDATIONS:

Users should:

- 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.

EXPOSURE GUIDELINES:

Sodium aluminum silicate (CAS#: 1344-00-9)

ACGIH 2 mg/m³ (TWA)

OSHA 2 mg/m³ (TWA)

ENGINEERING CONTROLS: Refer to product label.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Light brown powder

ODOR: Odorless

FLASH POINT: Not applicable

pH: 7 (determined as a 1% suspension in distilled water)

MELTING POINT: 120-134° C

BOILING POINT: Not established

SPECIFIC GRAVITY: Not established

BULK DENSITY: 30 lbs/cu-ft

VAPOR PRESSURE:

Imidacloprid: 1.5 X 10⁻⁹ mmHg @ 68° F (20° C)

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal use and storage conditions.

MATERIALS TO AVOID: None known.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: HCl, HCN, CO, NOx (for imidacloprid).

INSTABILITY CONDITIONS: Strong exothermic reaction above 200° C (for imidacloprid).

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY/IRRITATION STUDIES (FINISHED PRODUCT)

Acute Oral LD50 (Rat): 2,591 mg/kg (male); 1,858 mg/kg (female)

Acute Dermal LD50 (Rat): >2,000 mg/kg (male and female)

Acute Inhalation LC50 (Rat): 2.65 mg/L (4-hours-male); 2.75 mg/L (4-hours-female)

Eye Irritation (Rabbit): Mild eye irritation

Dermal Irritation (Rabbit): Slight dermal irritant

Dermal Sensitization (Guinea Pig): Not a sensitizer

CHRONIC TOXICITY: In chronic dietary studies in rats and dogs exposed to imidacloprid, the target organs were thyroid and/or liver.

SUBCHRONIC TOXICITY: In a 3-week dermal toxicity study, rabbits treated with imidacloprid showed no local or systemic effects at levels up to and including 1000 mg/kg, the limit dose. In a 4-week inhalation study, rats exposed to high concentrations of imidacloprid exhibited decreased body weight gains and changes in clinical chemistries and organ weights.

CARCINOGENICITY: There was no evidence of a carcinogenic potential observed.

MUTAGENICITY: The imidacloprid mutagenicity studies, taken collectively, demonstrate that the active ingredient is not genotoxic or mutagenic.

DEVELOPMENTAL TOXICITY: In developmental toxicity studies in rats and rabbits, there was no evidence of an embryonic or teratogenic potential for imidacloprid. In both species, development effects were observed only at high doses and in conjunction with maternal toxicity.

REPRODUCTION: In a two-generation reproduction study in rats, imidacloprid was not a primary reproductive toxicant. Offspring exhibited reduced body weights at the high dose and in conjunction with maternal toxicity.

NEUROTOXICITY: In acute and subchronic neurotoxicity screening studies in rats, imidacloprid produced slight neurobehavioral effects in each study at the highest dose tested. There were no correlating morphological changes observed in the neural tissues.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS: Do not apply directly to water, areas where surface water is present or to intertidal area 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 visiting the treatment area. This product is toxic to wildlife and highly toxic to aquatic invertebrates.

13. DISPOSAL CONSIDERATIONS

END USERS MUST DISPOSE OF ANY UNUSED PRODUCT AS PER THE LABEL RECOMMENDATIONS.

PRODUCT DISPOSAL: Do not contaminate water, food, or feed by disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

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

14. TRANSPORT INFORMATION

DOT CLASSIFICATION:

Not regulated

B/L Freight Classification: Item: 102120 [Insecticides, Fungicides, Insect or Animal Repellants]
Class 60

INTERNATIONAL TRANSPORTATION

IMO (vessel): Not regulated

IATA (air): Not regulated

15. REGULATORY INFORMATION

SARA TITLE III CLASSIFICATION:

Section 302: Not applicable.
Section 311/312: Acute health hazard (immediate)
Section 313: Not applicable.

CA PROPOSITION 65: Not applicable

CERCLA RQ: Not applicable

RCRA CLASSIFICATION: If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

TSCA STATUS: Not applicable

16. OTHER INFORMATION

NFPA HAZARD RATINGS	NFPA		
HEALTH:	1	0	MINIMAL
FLAMMABILITY:	1	1	SLIGHT
REACTIVITY:	1	2	MODERATE
		3	HIGH
		4	SEVERE

MSDS DATE: 11-11-2005

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