

# SLAY™ HERBICIDE

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Slay Herbicide  
**Active Ingredient:** Ammonium salt of imazethapyr  
(±)-2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-3-pyridinecarboxylic acid  
**Chemical Formula:** C<sub>15</sub>H<sub>18</sub>N<sub>3</sub>O<sub>3</sub>•NH<sub>4</sub>

#### COMPANY IDENTIFICATION:

Whitetail Institute of North America  
239 Whitetail Trail  
Hope Hull, AL 36043  
UNITED STATES

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Imazethapyr,  
ammonium salt      CAS No. 101917-66-2      22.87%

### 3. HAZARD IDENTIFICATION

#### EMERGENCY OVERVIEW

Harmful if inhaled or absorbed through skin. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:**  
None known

### 4. FIRST AID

**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.

**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 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. Call a poison control center or doctor for further treatment advice.

### 5. FIRE-FIGHTING MEASURES

**Flash point:** >200°F

**Flammable Limits:** Lower: N/D    Upper: N/D

**Fire/Explosion Hazards:** None known.

**Means of Extinguishing:** Use water fog, foam, CO<sub>2</sub> or dry chemical extinguishing media.

**Fire Fighting Instructions:** Firefighters should be equipped with self-contained breathing apparatus and turnout gear.

**NFPA 704 Hazard Codes:** Health – N/R, Flammable – N/R, Instability – 0, Other – N/R

**Hazardous Combustion Products:** Including but not limited to oxides of carbon and nitrogen.

### 6. ACCIDENTAL RELEASE MEASURES

For a liquid spill: Dike and contain the spill with inert material (sand, earth, etc.) and transfer the liquid and solid diking materials to separate containers for disposal.

For a large spill, isolate and post spill area, keep unprotected persons and animals out of area, and call CHEMTREC (800-424-9300). Wear protective clothing and personal protective equipment as prescribed in Section 8 "Exposure Controls/Personal Protection".

For a small spill, wear personal protective equipment as specified on the product label.

### 7. HANDLING AND STORAGE

Keep out of reach of children and animals. Keep from freezing. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal.

Wash hands prior to eating, drinking, chewing gum, using tobacco or using toilet. Wash thoroughly after handling this product.

If pesticide gets inside clothing, remove clothing immediately. Then wash thoroughly and put on clean clothing.

Remove PPE immediately after handling this product. Thoroughly wash the outside of gloves with soap and water prior to removing.

Whitetail Institute of North America

Emergency Phone: Chemtrec 800-424-9300

Effective Date: December 14, 2004

EPA Reg. No. 79676-12-81883

REV 0105

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use local exhaust at all process locations where vapor or mist may be emitted.

**Personal Protective Equipment:**

**Respiratory Protection:** Wear supplied air respirators if large quantities of mist/dust are generated or prolonged exposure is possible.

**Eyes and Face:** Wear chemical goggles if respirator does not provide eye protection.

**Protective Clothing:** All pesticide handlers must wear a long-sleeved shirt and long pants, socks, shoes.

**Gloves:** All pesticide handlers must wear chemical resistant gloves such as butyl rubber  $\geq 14$  mils, or natural rubber  $\geq 14$  mils, or neoprene rubber  $\geq 14$  mils, or nitrile rubber  $\geq 14$  mils. Inspect gloves regularly for leaks.

Additional information on personal protective clothing for applicators of this product may be found on the product label.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Brown or green liquid

**Odor:** Musty

**pH:** 6.9-7.4

**Boiling Point:**  $\sim 100^{\circ}\text{C}$

**Specific Gravity:** 1.1-1.2 g/ml

**Vapor Pressure:** Similar to water

**Solubility in Water:** Miscible

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Store in original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame.

**CHEMICAL INCOMPATIBILITY:** Oxidizing agents. Corrosive to zinc, iron, mild steel, brass and copper.

**CHEMICAL STABILITY:** Stable. Do not store below  $32^{\circ}\text{F}$ . If product crystallizes, thaw at room temperature before use.

**POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE ORAL TOXICITY

Oral  $\text{LD}_{50}$  (rat; male and female):  $>5000$  mg/kg

### ACUTE DERMAL TOXICITY

Dermal  $\text{LD}_{50}$  (rabbit; male and female):  $>5000$  mg/kg

### ACUTE INHALATION TOXICITY

Inhalation  $\text{LC}_{50}$  (rat):  $>2.7$  mg/L (4 hr., actual)

Inhalation  $\text{LC}_{50}$  (rat):  $>10.8$  mg/L (calculated)

### EYE IRRITATION

Rabbit: Non-irritating

### SKIN IRRITATION

Rabbit: Non-irritating

### SKIN SENSITIZATION

Guinea pig: Non-sensitizing

### CARCINOGENICITY:

ACGIH: Not listed

IARC: Not listed

NTP: Not listed

OSHA: Not listed

CA Prop 65: Not listed

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** 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.

Refer to the pesticide product label for groundwater advisory information and proper handling instructions.

## 13. DISPOSAL CONSIDERATIONS

**PESTICIDE 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). 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

This product is not regulated by the Department of Transportation.

U.S. DOT PROPER SHIPPING NAME: None

HAZARD CLASS OR DIVISION: None

UN/NA NUMBER: None

DOT PACKING GROUP: None

REPORTABLE QUANTITY: None

MARINE POLLUTANT: No

DOT EMERGENCY RESPONSE GUIDE: N/A

## 15. REGULATORY INFORMATION

### U.S. FEDERAL REGULATIONS

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 Hazard Categories  
Immediate

SARA Title III – Section 312 Threshold Planning Quantity  
10,000 lbs.

SARA Title III – Section 313 Reportable Ingredients  
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.

### **DISCLAIMER:**

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