

# Material Safety Data Sheet

## PIN NIP 2 EC

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: PIN NIP 2 EC  
 Chemical Name: Chlorpropham \* (Isopropyl N-(3-chlorophenyl) carbamate)  
 Synonyms: Isopropyl-m-chlorocarbanilate-chlorpropham  
 General Use: Potato Sprout Inhibiting  
 EPA Registration Number: 72790-1-65726

Company Information:  
 Pin/Nip, Inc.  
 P.O. Box 860  
 Meridian, ID 83680-0860

24-Hour Emergency Telephone Number  
 Call PERS 1-800-633-8253

### 2. COMPOSITION/ INFORMATION ON INGREDIENTS

Chlorpropham* (Isopropyl N-(3-chlorophenyl) carbamate) (CAS #: 101-21-3) .....	23.8%
OTHER INGREDIENTS: .....	76.2%
TOTAL .....	100.0%

\*Contains 2 pounds active ingredient per gallon.

#### POTENTIAL HEALTH EFFECTS

ROUTES OF ENTRY: Inhalation; Skin contact; Eye Contact; Ingestion

SYMPTOMS OF OVEREXPOSURE:

#### EMERGENCY OVERVIEW

Colorless, flammable liquid with alcoholic odor. Causes eye irritation. Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling. This product may cause allergic skin reaction. Remove contaminated clothing and wash clothing before reuse.

**Inhalation:** Inhalation may cause nose, throat and respiratory tract irritation.

**Skin Contact:** Considered to be of low toxicity. Repeated dermal exposure could result in skin reactions and adverse effects on the blood, liver, bone marrow and spleen.

**Eye Contact:** May cause mild to moderate eye irritation.

**Ingestion:** Ingestion of this product may cause gastro-intestinal irritation, nausea, or other symptoms of toxicity.

**Carcinogenicity:** Not known. None of the components in this product is listed by IARC, NTP, or OSHA as a potential carcinogen.

### 4. FIRST AID MEASURES

If **Swallowed**: If conscious, drink large quantities of water, then induce vomiting by administering an emetic such as ipecac syrup. If an emetic is not available, vomiting should be induced by placing a finger far back in the throat. Administer additional water. Take immediately to a hospital or physician. If unconscious or in convulsions, take immediately to a hospital. DO NOT attempt to induce vomiting or give anything by mouth to an unconscious or convulsing person.

If **Inhaled**: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

If in **Eyes**: Hold eyelids open and flush with a gentle stream of water for 15 minutes. Get medical attention.

If on **Skin**: Wash with plenty of soap and water. If irritation persists, get medical attention.

---

## 5. FIRE FIGHTING MEASURES

---

### FLAMMABLE PROPERTIES

**Flash Point**: 75.4 F

Flammable

**Extinguishing Media**: Water. Wear protective clothing. Dike to prevent any material from entering drains or sewers or contaminating the environment. Evacuate people downwind from the fire. Wear self contained breathing apparatus. Fumes and/or vapors may be toxic if inhaled or contacted by the skin.

**Fire Fighting Procedures**: Prevent human exposure to fire, smoke, vapors and products of combustion.

Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. If possible, move containers from fire area. Keep non-leaking containers cool with water, fog or spray to prevent rupture from excessive heat. Dike fire water for later disposal. Do not allow contaminated water to enter waterways.

**Hazardous Decomposition Products**: Product can decompose under fire conditions to form highly toxic and corrosive gases.

---

## 6. ACCIDENTAL RELEASE MEASURES

---

For spill, leak, fire, exposure, or accident call **PERS 1-800-633-8253**

**Clean-up**: Soak up using an absorbent and dispose of absorbent in accordance with federal, state, and local regulations. Wash spill area with detergent/water. Dike wash water for proper disposal. Observe all local, state and federal laws and regulations regarding disposal, spill, cleanup, removal and discharge.

---

## 7. HANDLING AND STORAGE

---

Precautions apply to emptied containers.

**Handling**: Keep containers closed when not in use. Use only approved equipment for transporting containers to avoid puncturing or rupturing. Wear appropriate protective equipment (See Section 8) when working with this product. During application procedure wear designated protective equipment to avoid inhalation, skin, or eye contact.

**Storage**: Do not contaminate water, food, or feed by storage or disposal. Store containers in a cool, dry, well-ventilated area away from flammable, combustible or incompatible material such as strong oxidizers, strong bases and sources of heat or flame. Do not heat or cut empty container with a cutting torch. Avoid storage below freezing temperatures. Prolonged storage may cause crystal formation. Warming contents and agitation will restore material to usable condition, but do not heat above 120°F. Vent caps when using indirect heat such as a warm water bath, and do not use direct heat or flame.

---

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

---

**Skin Protection Requirements**: Skin contact with liquid or aerosol spray should be prevented by the use of impervious clothing and footwear, selected with regard to use conditions and exposure potential. Applicators and

other handlers must wear chemical resistant gloves. Following application, workers (e.g. baggers) must wear chemical resistant gloves while potatoes are wet. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

**Engineering Controls:** This material, when aerosolized, is required to be handled under specific process conditions according to the EPA-registered product label instructions. Local exhaust ventilation may be needed to control emissions for some operations.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

---

Physical State	Liquid
Color	Colorless
Odor	Alcoholic
Density	1.03 g/mL
PH	5.11 @ solution of 23°C
Viscosity	98.81 mm <sup>2</sup> /s @ 20°C and 35.07 mm <sup>2</sup> /s @ 40.0°C
Flash Point	75.4°F

---

## 10. STABILITY AND REACTIVITY

---

**Stability:** Stable under most conditions, but avoid acid and alkali products, excessive heat; ignition sources.

**Hazardous Polymerization:** Does not occur.

**Incompatibilities:** (Avoid contact with): Strong oxidizers, acids, alkalis (bases)

**Hazardous Decomposition Products:** Chloroaniline, isocyanates, oxides of nitrogen, carbon monoxide and carbon dioxide.

---

## 11. DISPOSAL CONSIDERATIONS

---

**Waste Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of federal and state law. If these wastes cannot be disposed of by application according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Section of the nearest EPA Regional Office for guidance. Do not allow waste to enter sewers or surface waters.

**Container Disposal:** Do not reuse the empty container. **Plastic:** 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. **Metal:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

