

## Chloro-IPC®1

Date of Issue: 19 December 2005

### 1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

**Chemical name of active ingredient(s):** Chlorpropham

**Recommended use:** Herbicide

**Supplier:** Elliott Technologies Limited  
45 Kitchener Road  
Pukekohe  
Phone 0800 100 325

**Emergency telephone number:** 0800 Poison (0800 764 766) 24 Hours

### 2. HAZARDS IDENTIFICATION

**Hazard Classification:** Flammable - 3.1C,  
Toxic - 6.1E, 6.3B, 6.4A, 6.9B,  
Ecotoxic - 9.1B, 9.2A

**Required identification Details:** FLAMMABLE LIQUID  
Keep away from sources of ignition  
ECOTOXIC

HARMFUL – may be harmful if swallowed, inhaled or absorbed through the skin.

May cause eye irritation

May cause skin irritation

May cause damage to blood system.

Toxic to aquatic organisms

Very toxic in the soil environment

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance/preparation Information on hazardous ingredients

| Common name   | CAS No     | %   |
|---------------|------------|-----|
| Chlorpropham  | 101-21-3   | 40% |
| Shellsol A    | 64742-95-6 | 48% |
| Cyclohexanone | 108-94-1   | 5%  |

### 4. FIRST-AID MEASURES

**Description of necessary first aid measures:**

#### Effects and symptoms

#### First-aid measures

#### **Inhalation:**

May be harmful if inhaled. Remove to fresh air. Apply artificial

respiration if necessary. Get medical help if breathing difficulty persists.

Moderately toxic if ingested. Give a glass or two of water. Get medical help. Never give anything by mouth to an unconscious person.

May cause skin irritation. Remove contaminated clothing. Wash with soap and water. If irritation persists see a doctor.

May cause eye irritation. Immediately flush with water for 15 minutes. If irritation persists see a doctor.

Treat symptomatically. Animal tests have shown inflammation of the stomach, intestinal lining, congestion of the brain, lungs and other organs. For gastric lavage protect the airways.

**Ingestion:**

**Skin contact:**

**Eye contact:**

**Notes to a physician:**

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## 5. FIRE-FIGHTING MEASURES

**HAZCHEM Code:** 3WE

**Extinguishing media :** Water spray, dry chemical, carbon dioxide. Do not use high power water jet.

**Hazardous thermal (de)composition products:** Chloroaniline, isocyanates, oxides of nitrogen, chlorine-containing compounds and other unknown hazardous material may be formed. Incomplete combustion may lead to formation of carbon monoxide and/or other asphyxiants.

**Protection of fire-fighters:** Wear full protective clothing and self contained breathing apparatus. Do not breath smoke or gases.

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## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Release or Spill: Wear chemical safety glasses with side shields or chemical goggles, rubber gloves, rubber boots, long-sleeved shirt, long pants, head covering, and an approved pesticide respirator or air-supplied respirator.

**Environmental precautions:** Prevent runoff from entering sewer drains and waterways.

**Methods for cleaning up:** Clear area of unnecessary personnel. Extinguish any sources of ignition. Spills may be slippery and should be cleaned up immediately. Large spill: Dike and pump as much as possible to a salvage container. Absorb the remaining liquid and any small spills with clay granules, sand or other absorbent material and sweep to a waste container. Cover the spill area with water and absorb. Minimise runoff into waterways or drains.

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## 7. HANDLING AND STORAGE

**Handling & Storage:** Store in original container, tightly closed under lock and key, away from food stuffs. Wash protective clothing daily after work. Keep from extreme heat. Harmful - Keep out of reach of children.

**Packaging materials:** HDPE Plastic. Containers.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Workplace Exposure Guidelines

**Workplace exposure standards:** Not Established

**Exposure Standards outside:** Not Established

**The workplace:**

## **Engineering measures**

**Exposure control measures:**

Aerate enclosed areas

## **Personal Protective Equipment**

**Detail specifications for equipment:**

**Respiratory system:**

Not normally required except when exposed to mists or vapours from heated material. Use air respirator with organic vapour canister or self contained breathing apparatus.

When handling wear overalls and boots.

**Skin and body:**

Waterproof gloves.

**Hands:**

Chemical goggles or face shield where splash may occur.

**Eyes:**

**General hygiene:**

Do not eat drink or smoke while working with this product. Remove clothing that becomes soaked or contaminated and wash before reuse. Wash hands before breaks and after work. The use of a skin barrier cream is useful to give additional skin protection.

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## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State:**

Liquid

**Colour:**

Yellowish.

**Odour:**

Aromatic odour.

**pH:**

7

**Vapour Pressure:**

Not Available

**Boiling Point:**

Not Available

**Melting point:**

(Technical a.i.) 38.5-40°C

**Solubility:**

Active ingredient 89 mg/litre.

**Specific gravity or density:**

0.992g/litre @ 20 degrees Celcius

**Flashpoint:**

35°C

**Octanol/water partition coefficient:**

Not Available

**Explosion properties:**

Not Explosive

**Oxidation properties:**

Not an Oxidiser

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## **10. STABILITY AND REACTIVITY**

**Stability:**

Stable under normal circumstances.

**Conditions to avoid:**

Avoid excessive heat.

**Materials to avoid:**

Strong oxidising agents.

**Hazardous decomposition Products:**

Vapours of aromatic solvent, oxides of carbon and nitrogen, chlorine containing compounds.

**Hazardous polymerization:**

Will not polymerise

**Specific Data:**

**Hazardous reactions :**

None expected

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## **11. TOXICOLOGICAL INFORMATION**

**Acute toxicity – Oral :**

Acute oral LD50 > 1200 mg/kg (Rat)

**Acute toxicity - Dermal :**

Acute dermal LD50 > 700mg/kg (Rat)

**Acute toxicity – Inhalation:**

LC50 >32mg/litre,4 hrs(Rat)

**Skin irritation :**

Irritant

**Eye irritation:**

Irritant

**Sensitization :**

Not a sensitizer

**Chronic toxicity**

**Carcinogenicity:**

Not carcinogenic

**Mutagenicity:**

Not Mutagenic

**Reproduction toxicity:**

Not a Reproductive toxin.

**Other information :**

Frequent high oral doses may cause damage to the liver.

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## 12. ECOLOGICAL INFORMATION

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|--------------------|---|
| <b>Ecotoxicity</b> | Soil Toxicity: Very toxic to worms.<br>Terrestrial Vertebrates - Birds: Not toxic to birds.                   |
| <b>Bees</b>        | Not toxic to bees.  |
| <b>Aquatic</b>     | Very toxic to aquatic organisms. Toxic to fish LC 50 = 3-6ppm (Rainbow trout), 6.3-6.8ppm (Bluegill sunfish). |
| <b>Soil</b>        | Herbicidal with short soil persistence.   |

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## 13. DISPOSAL CONSIDERATIONS

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|------------------------------|---|
| <b>Methods of disposal :</b> | Triple rinse container and add to spray tank, burn if permitted and circumstances, particularly wind direction, permit, otherwise crush and bury in an approved landfill. Do not contaminate any waterway with chemical or empty container. |
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## 14. TRANSPORT INFORMATION - International transport regulations

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| <b>UN number:</b>                                      | <b>1993</b>   |
| <b>Class or Division:</b>                              | <b>3</b>  |
| <b>Packing Group:</b>                                  | <b>III</b>  |
| <b>Marine Pollutant:</b>                               | YES   |
| <b>Proper shipping name :</b>                          | FLAMMABLE, LIQUID, N.O.S.( Contains 40% chlorpropham) |
| <b>INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):</b> |   |

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## 15. REGULATORY INFORMATION

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|--------------------------------|-----------|
| <b>ACVM Registered Number:</b> | P005027   |
| <b>HSNO Approval Code:</b>     | HSR000823 |

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## 16. OTHER INFORMATION

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| <b>Additional information:</b> | <b>Original Issue Date:</b> 19 <sup>th</sup> December 2005<br><b>Revision Date:</b> N/A<br><b>Replaces:</b> N/A |
|--------------------------------|---|

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