

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:

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.

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.

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.

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:

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.

General hygiene:

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

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

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.

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

Methods of disposal :	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

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

15. REGULATORY INFORMATION

ACVM Registered Number:	P005027
HSNO Approval Code:	HSR000823

16. OTHER INFORMATION

Additional information:	Original Issue Date: 19 th December 2005 Revision Date: N/A Replaces: N/A
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Disclaimer EXCLUSION OF LIABILITY: PLEASE READ

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