



## SECTION 1 - PRODUCT & COMPANY IDENTIFICATION

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**Substance:** chlpropham  
**Product Name:** NEOSTOP 500 HN  
**Product Use:** Plant growth regulator  
**Creation Date:** November 2010  
**Revision Date:** August 2017

### 24 Hr Emergency Number:

#### In case of Poisoning:

Poisons Helpline 0861 555 777

#### In case of Spillage:

HAZMAT: 0800 147 112

## SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

**Common Name:** Chlorpropham (C.I.P.C) 1%  
**Chemical Name:** isopropyl-3-chlorocarbanilate  
**Chemical family:** Carbamate  
**Use:** Plant growth regulator with preventative action.  
**Formulation:** Hot fogging concentrate 500g/l

### Hazardous ingredients of toxicological concern:

Inert:	concern:	% present:
Solvent	harmful, irritant	> 30 % v/v

**Symbol:** Xn, N  
**Indication of Danger:** Harmful, Environmentally Hazardous Substance

**RISK-PHRASE(S)** R22, R36/38, R50/53

## SECTION 3 - HAZARD IDENTIFICATION

### Likely routes of exposure:

**Skin contact:** Not expected to present a significant skin hazard.

**Eye contact:** Not expected to present a significant eye contact hazard. Under anticipated conditions of normal.

**Inhalation:** must not come into contact with food or be consumed.

**Inhalation:** Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

## SECTION 4 - FIRST AID MEASURES AND PRECAUTIONS

### Inhalation:

Immediately remove source of contamination or move victim to fresh air. If breathing has stopped, perform artificial respiration and administer oxygen. Do not give mouth-to-mouth resuscitation if victim ingested or inhaled the substance. Keep person warm and at rest. Treat symptomatically and supportively as and when required. Obtain medical advice if necessary.

### Skin contact:

Remove contaminated clothing, shoes and leather goods immediately. Gently wipe of excess chemical. Wash skin gently and thoroughly with non-abrasive soap or mild detergent and large amounts of water until no evidence of chemical remains (approximately 15 to 20 minutes). Seek medical advice if irritation develops and persists.

### Eye contact:

Immediately flush the eyes with gently flowing lukewarm water or sodium bicarbonate solution for 20 to 30 minutes, occasionally lifting the upper and lower lids. If irritation persists, seek medical advice immediately.

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**Ingestion:**

Do not induce vomiting. Never induce vomiting or give anything to drink to an unconscious person. No antidote available. Treat symptomatically and supportively.

**SECTION 5 - FIRE-FIGHTING MEASURES****Fire hazard and explosion hazard:**

Not Flammable. No fire hazard.

**Extinguishing agents:**

Extinguish fires with carbon dioxide, dry powder, or alcohol-resistant foam. Water spray as a fog can be used for cooling of unaffected stock, but avoid water coming in contact with the product. Contain water used for fire-fighting for later disposal.

Avoid the accumulation of polluted run-off from the site.

**Fire fighting:**

Remove spectators from surrounding area. Remove container from fire area if possible without risk. Eliminate all ignition sources in immediate area. Fight fire from maximum distance. For massive fire, use unmanned hose holder or monitor nozzles. Contain fire control agents for later disposal. Use a recommended extinguishing agent for the type of surrounding fire. Avoid inhaling hazardous vapours. Keep upwind.

This product will emit toxic fumes when burned, including fumes of CO, CO<sub>2</sub>. May produce irritating or poisonous mists or other products of combustion.

**Personal protective equipment:**

Fire-fighters and others that may be exposed should wear full protective impervious clothing, including gloves and eye protection, and self-contained breathing apparatus. Contact with the fumes and vapours should be avoided by staying upwind.

Clean all clothing before re-use. Severely contaminated clothing cannot be adequately decontaminated, and must be disposed as a hazardous waste. Shower with soap and water after contact with this product.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES (SPILLAGE)****Personal precautions:**

For personal protection see Section 8.

**Environmental precautions:**

Do not allow entering drains or watercourses. Spillage or uncontrolled discharges into water courses (or public waters) to be reported immediately to the Police and to the Department of Water/Environmental Affairs.

**Occupational spill:**

For small liquid spills, soak up with lime, damp earth or sand, or other non-combustible absorbent material and place into containers for later disposal. For large liquid spills, contain the liquid for later disposal. In situations where product comes in contact with water, contain contaminated water for later disposal. Do not flush spilled material into drains. Keep spectators away.

**SECTION 7 - HANDLING AND STORAGE REQUIREMENTS****Handling:**

Use with adequate ventilation. Wash hands before eating, drinking, chewing gum, smoking, or using the toilet. Remove clothing immediately if the product gets inside. Then wash skin thoroughly using a non-abrasive soap and put on clean clothing.

Do not apply directly to areas where surface water is present, or to intertidal areas below the mean high water mark. Water used to clean equipment must be disposed of correctly to avoid contamination.

**Storage:**

Keep out of reach of unauthorized persons, children and animals. Store in its original labelled container in shaded, well-ventilated area. Store in dry area. Not to be stored next to foodstuffs and water supplies. Local regulations should be complied with.

**SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION**

Comply with occupational safety, environmental, fire, and other applicable regulations.

**PERSONAL PROTECTIVE EQUIPMENT:****Respirator:**

It is usually safe to use the product without respirator. Where exposure through inhalation may occur when handling and/or when preparing the dust, wear a face mask. If the product is used in dusty or confined conditions or spillage and fire conditions a respirator suitable for protection from dusts and mists of pesticides is adequate.

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**Clothing:**

Employee must wear appropriate protective (impervious) clothing, boots, hat and equipment to prevent repeated or prolonged skin contact with this substance. Do not wear leather clothing.

**Gloves:**

Employee must wear appropriate chemical resistant protective gloves to prevent contact with this substance.

**Eye protection:**

The use of safety goggles (full-face shield) is recommended.

**Emergency eye wash:** Where there is any possibility that an employee's eyes may be exposed to this substance, the employer should provide an eye wash fountain or appropriate alternative within the immediate work area for emergency use.

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**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**


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<b>Appearance:</b>	LIQUID – LIGHT BROWN
<b>Odour:</b>	Not available
<b>Flash point:</b>	Closed cup: Higher than 93.3°C
<b>Boiling point:</b>	The lowest known value is 134.2°C (Solvent)
<b>pH:</b>	Not available

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**SECTION 10 - STABILITY AND REACTIVITY**


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**Storage Stability:**

The product is stable at room temperature in normal warehouse conditions in original packaging.

**Stability:**

Avoid extreme heat and contact with incompatible materials.

**Conditions to avoid:**

All heat sources, including direct sunlight.

**Decomposition products:**

This material may decomposes and produce toxic fumes of (CO, CO<sub>2</sub>) nitrogen oxides, (NO, NO<sub>2</sub>...) halogenated compounds.

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**SECTION 11 - TOXICOLOGICAL INFORMATION**


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<b>Acute oral LD<sub>50</sub> rats:</b>	> 2000 mg/kg
<b>Acute dermal LD<sub>50</sub> rats:</b>	> 2000 mg/kg
<b>Acute toxicity of the vapour LD<sub>50</sub> rats:</b>	> 5mg/l 4 hours
<b>Specific effects:</b>	
<b>Reproduction toxicity:</b>	None for humun
<b>Acute eye irritation:</b>	Non irritation to eyes.
<b>Acute skin irritation:</b>	Non irritation to skin.

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**SECTION 12 - ECOLOGICAL INFORMATION**


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The components of this product are relatively stable under ambient, environmental conditions.

**ECOTOXICOLOGY:**

Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

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**SECTION 13 - DISPOSAL CONSIDERATION**


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**Pesticide disposal:**

Open dumping or burning of this pesticide is prohibited. Waste resulting from the use of this product that cannot be reused or reprocessed should be disposed of in a landfill approved for pesticide disposal. Do not contaminate rivers, dams or any other water sources with the product or used containers. Never pour untreated waste or surplus products into public sewers or where there is any danger of run-off or seepage into water systems. Comply with local legislation applying to waste disposal.

**Package product wastes:**

Emptied containers retain vapour and product residues. Observe all labelled safeguards. Containers and packages must be completely emptied before being disposed of.

Never re-use the empty container for any other purpose. Do not burn the empty container. Refer to label attached.

Comply with any local legislation applying to disposal.

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#### SECTION 14 - TRANSPORT INFORMATION

UN No.:	NOT CLASSIFIED
Land Transport:	NOT CLASSIFIED
Sea Transport:	NOT CLASSIFIED
Air Transport:	NOT CLASSIFIED

#### SECTION 15 - REGULATORY INFORMATION

Symbol:	Xi, Xn
Indication of Danger:	Harmful, dangerous for the environment.
<b>Risk phrases:</b>	
R 22	Harmful if swallowed.
R 43	May cause slightly sensitization by skin contact.
<b>Safety phrases:</b>	
S 2	Keep out of reach of children.
S 13	Keep away from food, drink and animal feedingstuffs.
S 20/21	When using, do not eat, drink or smoke.
S 23	Do not breath vapour
S 36/37	Wear suitable protective clothing and gloves
S 61	Avoid release to enviroment

#### SECTION 16 - OTHER INFORMATION

##### Packaging:

Packed in 250, 500 mℓ and 1, 2, 5, 10, 20, 25 & 50 litres plastic containers and labelled according to South African regulations and guidelines.

##### Disclaimer:

The information on this sheet is not a specification; it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage use of the product. It is not applicable to unusual or non-standard uses of the product not where instructions or recommendations are not followed.

All information is given in good faith but without guarantee in respect of accuracy, and no responsibility is accepted for errors and omissions or the consequence thereof.

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