

# FARM-AG INTERNATIONAL (Pty) Ltd

P.O. Box 1523, Durban 4000

Head Office : 61 Marshall Dr., Old Mill Industrial Park, Mount Edgecombe **South Africa**

Registration Number: 2005/011761/07

Tel + 27 31 003 3486 • Fax + 27 31 502 5825

## 1. PRODUCT & COMPANY IDENTIFICATION

**Trade name:** FARMAG EPTC S  
**Use:** Herbicide with dichlormid maize safener  
**Creation Date:** September 2015  
**Revision Date:** August 2017

**24 Hr Emergency Number:** 082 771 2712

**In case of poisoning:**  
Poison Information Centre: 082 446 8946  
Tygerberg Hospital: (021) 931 6129  
Poison Emergency Enquiries (021) 689 5227

**In case of Spillage:**  
HAZMAT:0800 147 112

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Common name:** EPTC  
**Chemical name:** S-ethyl dipropylthiocarbamate (IUPAC)  
**CAS No.:** 759-94-4  
**Chemical family:** Thiocarbamate  
**Chemical formula:** C<sub>9</sub>H<sub>19</sub>NOS (Mol. Wt. 189.3)  
**Formulation:** EPTC 720 g/lit emulsifiable concentrate (EC)

## 3. HAZARD IDENTIFICATION

### Physical properties

Amber liquid with an aromatic odour

### Symptoms of acute exposure

Exposure to the active ingredient in this product, followed by ingestion of alcohol, may cause an adverse reaction, including low blood pressure, rapid heartbeat and flushing of skin. The product is cholinesterase inhibitor.

### Primary routes of exposure

The principal routes of exposure are skin contact with the product and inhalation of its mists or vapours.

### Unusual fire, explosion and reactivity hazards

This material will support combustion and may decompose under fire conditions to give off toxic materials.

## 4. FIRST AID MEASURES AND PRECAUTIONS

Keep strictly as rest as continued movement enhances the effects of cholinesterase inhibition.

### Inhalation

Remove patient from exposure, keep warm and at rest. Obtain medical attention as a precaution.

### Skin contact

Take off all contaminated clothing. Wash skin with cold water, followed by soap and water.

### Eye contact

Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain medical attention.

### Ingestion

If swallowed seek medical advice and show the container, label or this Data Sheet. If possible, *do not* induce vomiting since product contains petroleum hydrocarbons.

### Further medical treatment

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This product contains EPTC, a thiocarbamate that inhibits cholinesterase. If symptoms of cholinesterase inhibition are present, atropine by injection is antidotal.

Pralidoxime chloride (2-PAM) is NOT recommended as an antidote for this compound. Thiocarbamates have been shown in laboratory animals to cause a disulfiran type reaction in combination with alcohol. Following ingestion, absorbents such as charcoal may be of value. If gastric lavage or emesis is considered necessary for oil-based formulations, inhalation of gastric contents must be prevented. Probable mucosal damage may contraindicate the use of gastric lavage.

## 5. FIRE-FIGHTING MEASURES

Combustible. Keep fire exposed containers cool by spraying with water.

### Extinguishing media

For small fires, use foam, carbon dioxide, dry powder or halon extinguisher. For large fires, use foam or water-fog; avoid use of water jet. Contain run-off water with temporary earth barriers.

### Fire fighting protective equipment

A self contained breathing apparatus and suitable clothing must be worn.

## 6. ACCIDENTAL RELEASE MEASURES (SPILLAGE)

Ensure suitable personal protection during removal of spillage. A mask that gives protection against vaporous, eye protection and chemical resistant gloves, boots and overalls must be worn. Absorb spillage onto sand, earth or suitable absorbent material. Transfer to a container for disposal. Spillage or uncontrolled discharges into water courses must be alerted to the Department of Environmental Affairs and Tourism.

## 7. HANDLING AND STORAGE REQUIREMENTS

### Handling

Read the label before use. Avoid contact with skin and eyes. When using do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.

### Storage

Store under lock and key. Keep in original container, tightly sealed. Store in cool, dry place away from sources of heat and naked flame. Store away from farm feeds and food stuffs.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

When using this product refer to label for details. Nitrile rubber gloves and eye protection (goggles or face shield) must be worn when handling this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form:</b>	Emulsifiable concentrate
<b>Colour:</b>	Amber
<b>Odour:</b>	Aromatic
<b>Density (g/ml)</b>	0.95
<b>Flash point:</b>	83°C

## 10. STABILITY AND REACTIVITY

Hazardous decomposition product(s): combustion or thermal decomposition will evolve corrosive, toxic and irritant vapours.

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## 11. TOXICOLOGICAL INFORMATION

<b>Inhalation:</b>	3.8 – 4.3/4hr
<b>Skin contact:</b>	Mild irritant to rabbit skin. Mild skin sensitization
<b>Acute dermal LD<sub>50</sub> (calculated):</b>	approx > 2000 mg/kg (rat)
<b>Eye contact:</b>	The concentration is a severe eye irritant
<b>Ingestion:</b>	Harmful if swallowed. Acute oral LD <sub>50</sub> > 2000 mg/kg (rat).

## 12. ECOLOGICAL INFORMATION

<b>Toxicity:</b>	Harmful to fish. LC <sub>50</sub> (rainbow trout) (96 hours) (static) 13 mg/lit
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## 13. DISPOSAL CONSIDERATIONS

Do not contaminate rivers, dams or any other water source with chemical or used containers. Drain and triple rinse containers and then destroy by perforation and flattening. Bury in an approved dumping site. Do not re-use containers for any other purpose.

## 14. TRANSPORT INFORMATION

**UN NUMBER:** 3082  
**Road Transport ADR/IRD:**  
Class: 9  
Packaging group: III  
Shipping name: Environmentally Hazardous Substance, Liquid, N.O.S (EPTC S g/l)  
**Air Transport ICAO/IATA:**  
Class: 9  
Packaging group: III  
Shipping name: Environmentally Hazardous Substance, Liquid, N.O.S (EPTC S g/l)  
**Maritime Transport IMDG/IMO:**  
Class: 9  
Packaging group: III  
Shipping name: Environmentally Hazardous Substance, Liquid, N.O.S (EPTC S g/l)

## 15. REGULATORY INFORMATION

### European information

Symbols: Xn  
Risk phrase: (R22)

### South Africa

Danger group II (SABS 0304-1)  
Registration no. L7538 (Act no. 36 of 1947)

## 16. OTHER INFORMATION

Usage: a selective herbicide

**FARMAG EPTC S is the property Farm-Ag International (Pty) Ltd.**

Disclaimer:

Read the label before use or buy.

All information is given in good faith but without guarantee in respect of accuracy, and no responsibility is accepted for errors or omissions or the consequences thereof. This document is intended only as a guide to the appropriate handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness

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