



## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product information

Trade name : **PERMASECT C**

Usage : Pesticide, insecticide

Company : Nufarm UK Limited  
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## 2. HAZARDS IDENTIFICATION

Flammable.  
Harmful if swallowed.  
Irritating to eyes, respiratory system and skin.  
Harmful: may cause lung damage if swallowed.  
Vapours may cause drowsiness and dizziness.  
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
Repeated exposure may cause skin dryness or cracking.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	EINECS-No. ELINCS-No.	Symbol(s)	R-phrases(s)	Concentration (w/w)
cypermethrin	52315-07-8	257-842-9	<b>Xn, N</b>	R20/22, R37, R50/53	10% - 15%

## 4. FIRST AID MEASURES

Eye contact : Rinse eyes and eye-lids thoroughly with plenty of water for at least 15 minutes(remove contact lenses if possible) If eye irritation persists, consult a specialist.

Skin contact : Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.

Inhalation : Move to fresh air. In case of respiratory arrest artificial respiration. Obtain medical attention.



Ingestion : Do NOT induce vomiting. Rinse mouth. Obtain medical attention.

## 5. FIRE-FIGHTING MEASURES

- Specific hazards during fire fighting : In the event of fire (HCl, Cl<sub>2</sub>, NO<sub>x</sub>, CO<sub>x</sub>, SO<sub>x</sub>, HCN) may be formed.
- Special protective equipment for fire-fighters : Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.
- Suitable extinguishing media : Dry powder, Sand, Carbon dioxide (CO<sub>2</sub>), Water spray
- Extinguishing media which shall not be used for safety reasons : High volume water jet
- Further information : Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Keep people away from and upwind of spill/leak. Use personal protective equipment.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
- Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

## 7. HANDLING AND STORAGE

### Handling

Safe handling advice : Do not breathe vapours or spray mist. Keep out of reach of children.

### Storage

Requirements for storage areas and containers : Keep away from heat. Keep containers tightly closed in a dry, cool and well-ventilated place.

Advice on common storage : Keep out of reach of children. Keep away from food, drink and animal feeding stuffs.

### Storage stability

Storage temperature : > -10 °C



## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Personal protective equipment

- Respiratory protection : Respirator must be worn if exposed to dust.
- Hand protection : chemical resistant gloves
- Eye protection : Goggles, or, Safety glasses
- Skin and body protection : protective suit
- Hygiene measures : Keep away from food, drink and animal feeding stuffs. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Provide adequate ventilation.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

- Physical state : liquid
- Colour : yellow

### Other data

- Autoignition temperature : 465 °C
- Water solubility : insoluble
- pH : 5.3
- Viscosity, dynamic : 1.2 mPa.s

## 10. STABILITY AND REACTIVITY

- Conditions to avoid : Keep away from heat and sources of ignition.
- Type of listing : Hazardous decomposition products
- Hazardous decomposition products : Carbon monoxide, Hydrogen chloride gas



## 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	:	LD50 rat Dose: 1,850 mg/kg
Acute dermal toxicity	:	LD50 Dose: > 2,000 mg/kg
Acute inhalation toxicity	:	LD50 rat Dose: > 3.37 mg/l

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity effects

Toxicity to fish	:	LC50 Dose: < 1 mg/l Testing period: 96 h
Toxicity to daphnia	:	EC50 Daphnia magna (Water flea) Dose: < 1 mg/l Testing period: 48 h

## 13. DISPOSAL CONSIDERATIONS

Product	:	Dispose of product and packaging in accordance with The Green Code. (The Code of Practice for the safe use of Pesticides on Farms and Holdings.) A MAFF Publication.
Contaminated packaging	:	Do not re-use empty containers. Dispose of as unused product.

## 14. TRANSPORT INFORMATION

UN-Number	:	<b>1993</b>
Description of the goods	:	UN1993 Flammable liquid, n.o.s.(Hydrocarbons, mixture)



**ADR/RID**

Class : 3  
Packaging group : III

**IMDG**

Class : 3.1  
Packaging group : III  
Marine pollutant : Y

**IATA-DGR**

Class : 3  
Packaging group : III

**15. REGULATORY INFORMATION**

Symbol(s)	: Xn N	Harmful Dangerous for the environment
R-phrases(s)	: R10 R36/37/38  R22 R50/53  R65  R67  R66	Flammable. Irritating to eyes, respiratory system and skin. Harmful if swallowed. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness. Repeated exposure may cause skin dryness or cracking.
S-phrases(s)	: S 2 S23 S35  S13  S36/37  S20/21 S45	Keep out of the reach of children. Do not breathe fumes. This material and its container must be disposed of in a safe way. Keep away from food, drink and animal feedingstuffs. Wear suitable protective clothing and gloves. When using do not eat, drink or smoke. In case of accident or if you feel unwell,



**SAFETY DATA SHEET**  
according to regulation (EC) no 1907/2006

**PERMASECT C**

Version 4 (UK)

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seek medical advice immediately (show the label where possible).  
Avoid release to the environment. Refer to special instructions/ Safety data sheets.

## 16. OTHER INFORMATION

Print Date : 03/11/2009

(Alterations are indicated in the left hand margin by: || )

Full text of any R phrases referred to under heading 3:

R20/22 - Harmful by inhalation and if swallowed.

R37 - Irritating to respiratory system.

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The information contained herein is based on the present state of our knowledge and does therefore not guarantee certain properties.