

**EC Safety Data Sheet**

'PIRIMOR K'

Version: 6

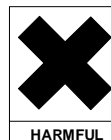
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**1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

**Product name** : 'PIRIMOR K'

**Company** : Syngenta Crop Protection AG  
Postfach  
CH-4002 Basel  
Switzerland



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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

**Product Description**

A pyrethroid and carbamate insecticide mixture.

An emulsifiable concentrate.

EC-No. : 245-430-1 Pirimicarb  
 EC-No. : 415-130-7 Lambda-cyhalothrin  
 EC-No. : 265-199-0 Solvent naphtha (petroleum), light aromatic  
 EC-No. : 202-424-3 2-Chlorotoluene  
 EC-No. : 201-148-0 Isobutanol

<b>Hazardous ingredients</b>	<b>CAS-No.</b>	<b>Hazard symbols</b>	<b>Risk Phrases</b>	<b>Concentration</b>
Pirimicarb (Classification according to Directive 67/548/EEC)	23103-98-2	T,N	R25-R50/53	100 g/l
Lambda-cyhalothrin (Classification according to Directive 67/548/EEC)	91465-08-6	T+,N	R21-R25-R26-R50/53	5 g/l
Solvent naphtha (petroleum), light aromatic	64742-95-6	Xn,N	R10-R37-R51/53-R65-R66-R67	> 500 g/l
2-Chlorotoluene	95-49-8	Xn,N	R20-R51/53	< 500 g/l
Calcium alkyl benzene sulphonate	26264-06-2	Xi	R38-R41	< 100 g/l
Isobutanol (Classification according to Directive 67/548/EEC)	78-83-1	Xi	R10-R37/38-R41-R67	< 100 g/l
Alkylphenol ethoxylates	68412-54-4	Xi	R41-R53	< 100 g/l

For the full text of the R phrases mentioned in this Section, see Section 16.

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**3. HAZARDS IDENTIFICATION**

Flammable.  
 Harmful by inhalation and if swallowed.  
 Risk of serious damage to eyes. Irritating to eyes and respiratory system.  
 May cause sensitisation by skin contact.  
 May cause tingling/numbness in exposed areas (paresthesia).  
 A cholinesterase inhibitor. Do not use if under medical advice not to work with such compounds.  
 May cause damage if aspirated into the lungs.  
 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**4. FIRST AID MEASURES**

If you feel unwell, seek medical advice (show the label where possible).  
 KEEP STRICTLY AT REST AS CONTINUED MOVEMENT ENHANCES THE EFFECT OF CHOLINESTERASE INHIBITION.

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

Skin contact : Take off immediately all contaminated clothing. Wash skin immediately with water, followed by soap and water. Such action is essential to minimise contact with skin. Contaminated clothing should be laundered before re-issue.

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

Ingestion : If swallowed seek medical advice immediately and show the container, label or this Data Sheet, if possible. Do not induce vomiting.

**Medical advice**

Atropine is the specific antidote and may be given immediately by qualified staff, at a level of 2-5mg (intramuscularly), every 20 minutes until atropinization occurs. Considerable amounts of atropine may be necessary.  
 Atropine MUST NOT be given to cyanosed patients; administer oxygen first.  
 DO NOT use opiates or barbiturates.  
 If convulsions occur, administer diazepam (10mg intravenously).  
 Take 10ml of venous blood for determination of blood cholinesterase activity.  
 Following ingestion, adsorbents such as charcoal may be of value. If gastric lavage or emesis is considered necessary for oil based or corrosive formulations, inhalation of gastric contents must be prevented.

**5. FIRE FIGHTING MEASURES**

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

Extinguishing media : For small fires, use foam, carbon dioxide or dry powder extinguishant. For large fires, use foam or water-fog; avoid use of water jet. Contain run-off water with, for example, temporary earth barriers.

Protective Equipment : A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

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**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions : Ensure suitable personal protection during removal of spillages. This means wearing a face mask that gives protection against organic vapours, eye protection, chemically resistant gloves, boots and coveralls.
- Clean up methods : Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Wash the spillage area with water. Washings must be prevented from entering surface water drains.

Spillages or uncontrolled discharges into water courses must be alerted to the appropriate regulatory body.

**7. HANDLING AND STORAGE****HANDLING**

Read the label before use.

- Safe handling advice : Avoid contact with skin and eyes. Do not breathe spray. Avoid inhalation of high concentrations of vapours. When using do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.

**STORAGE**

- Safe storage advice : Keep locked up. Keep only in the original container. Keep container tightly closed, in a cool, well-ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Personal protection**

When using this product refer to the label for details.

Where suitable engineering controls are not fitted or are inadequate, wear suitable protective equipment. When selecting personal protective equipment, users should consult their supplier to confirm that the equipment is suitable.

- Respiratory protect. : Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely. Respiratory protective equipment should conform to the appropriate EN standard.
- Eye protection : Wear suitable eye/face protection conforming to EN 166
- Hand protection : Wear suitable gloves conforming to EN 374  
Suitable materials: nitrile rubber
- Body protection : Wear suitable protective clothing.

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**Occupational exposure limits**

Hazardous ingredient : Lambda-cyhalothrin Syngenta OEL  
8 hr TWA 0.04 mg/m<sup>3</sup>  
Sk : Can be absorbed through skin

Hazardous ingredient : Pirimicarb Syngenta OEL  
8 hr TWA 1 mg/m<sup>3</sup>

Hazardous ingredient : Mixed hydrocarbon solvents OES/HSE  
8 hr TWA 100 mg/m<sup>3</sup>  
(Manufacturer/Supplier's Calculation)

Not applicable to field use.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form : liquid  
Colour : straw  
Odour : aromatic  
Flash point : 45 °C  
Explosive properties : Non-explosive.  
Density : 0.953 g/ml  
at 20 °C  
Solubility : miscible in/with water  
Oxidizing properties : Non-oxidising

**10. STABILITY AND REACTIVITY**

Hazardous decomposition products : Combustion or thermal decomposition will evolve toxic and irritant vapours.

**11. TOXICOLOGICAL INFORMATION****ACUTE TOXICITY (LETHAL DOSES)**

Oral Median Lethal Dose male rats  
: 470 mg/kg

Oral Median Lethal Dose female rats  
: 490 mg/kg

Harmful if swallowed.

The solvent(s) in this product may cause bronchopneumonia or pulmonary edema if aspirated into the respiratory system during ingestion or from vomiting.

Dermal Median Lethal Dose rabbit  
: (calculated) > 4000 mg/kg

In humans may cause tingling or numbness in exposed areas (paraesthesia). The effect may result from splash, aerosol or transfer to the face from contaminated gloves and hands. This effect is transient, lasting up to 24 hours.

Inhalation

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By consideration of the components of this mixture it is likely to be harmful.

**ACUTE TOXICITY (IRRITATION, SENSITISATION ETC.)**

Eye Irritation

: At least a severe eye irritant.

Skin Irritation

: Severe irritant to rabbit skin.

Skin Sensitisation

: It is a mild skin sensitiser in animal tests.

Respiratory Irritation

: By consideration of the components of this mixture it is likely to be irritant.

**CHRONIC TOXICOLOGICAL EFFECTS / LONG TERM EXPOSURE**

Long Term Exposure :

No long term risks to man are associated with the normal handling and use of this material.

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**12. ECOLOGICAL INFORMATION****ENVIRONMENTAL FATE AND DISTRIBUTION**

Inform. applies to : Pirimicarb  
The substance has low mobility in soil.

Inform. applies to : Lambda-cyhalothrin  
The substance has low mobility in soil.

**BIOACCUMULATIVE POTENTIAL**

Inform. applies to : Pirimicarb  
The substance has low potential for bioaccumulation.

Inform. applies to : Lambda-cyhalothrin  
The substance has high potential for bioaccumulation. It is rapidly metabolised and excreted.

**PERSISTENCE AND DEGRADATION**

Inform. applies to : Pirimicarb  
There is evidence of rapid degradation in soil.

Inform. applies to : Lambda-cyhalothrin  
There is evidence of rapid hydrolysis in soil. There is evidence of photodegradation in soil.  
There is evidence of photodegradation in water.  
There is evidence of rapid biodegradation in soil and water.

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**ECOTOXICITY**

Toxicity to fish : LC50 96 hours Rainbow trout  
: 57 µg/l

Toxicity to daphnia : EC50 48 hours Daphnia magna  
: 33 µg/l

Very toxic to aquatic organisms. (Not necessarily identical to the EC classification risk phrases).

**13. DISPOSAL CONSIDERATIONS**

Do not contaminate ponds, waterways or ditches with chemical or used containers. Surplus material must be disposed of as detailed in the 'Guidelines for the avoidance, limitation and disposal of pesticide waste on the farm' GCPF, 1987. Empty containers should be washed and discarded. Empty containers should be washed and discarded. Disposal should be in accordance with local, state or national legislation.

**14. TRANSPORT INFORMATION****Road transport ADR/RID**

UN No.	: UN2991
Class-primary	: 6.1 Toxic Substance
-subsidiary	: 3 Flammable Liquid
UN Pack. Group	: III
Proper shipping name	: CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, (CONTAINS PIRIMICARB 10% AND SUBSTITUTED BENZENOID HYDROCARBONS)

**Maritime transport IMDG**

UN No.	: UN2991
Class-primary	: 6.1 Toxic Substance
-subsidiary	: 3 Flammable Liquid
UN Pack. Group	: III
Proper shipping name	: CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, (CONTAINS PIRIMICARB 10% AND SUBSTITUTED BENZENOID HYDROCARBONS)
Marine pollutant	: Yes

**Air transport ICAO/IATA**

UN/ID No.:	: UN2991
Class-primary	: 6.1 Toxic Substance
-subsidiary	: 3 Flammable Liquid
UN Pack. Group	: III
Proper shipping name	: CARBAMATE PESTICIDE, LIQUID, TOXIC, FLAMMABLE, (CONTAINS PIRIMICARB 10% AND SUBSTITUTED BENZENOID HYDROCARBONS)

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## 15. REGULATORY INFORMATION

Classification	: <b>HARMFUL FLAMMABLE DANGEROUS FOR THE ENVIRONMENT</b>
Hazard symbols	: <b>Xn N</b>
Risk Phrases	: (R10) Flammable. (R20/22) Harmful by inhalation and if swallowed. (R37/38) Irritating to respiratory system and skin. (R41) Risk of serious damage to eyes. (R43) May cause sensitisation by skin contact. (R65) Harmful: May cause lung damage if swallowed. (R50/53) Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety Phrases	: (S2) Keep out of the reach of children. (S13) Keep away from food, drink and animal feeding stuffs. (S20/21) When using, do not eat, drink or smoke. (S26) In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. (S35) This material and its container must be disposed of in a safe way. (S36/37/39) Wear suitable protective clothing, gloves and eye/face protection. (S57) Use appropriate containment to avoid environmental contamination. (S62) If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
Special label	: To avoid risks to man and the environment, comply with the instructions for use.

This preparation is covered by the EEC Dangerous Preparations Directive. It has therefore been labelled in accordance with these regulations. Users should ensure that they comply with any relevant local, state or national legislation.

## 16. OTHER INFORMATION

Use: : To control insect pests.

Text of R phrases mentioned in Section 2

(R10) Flammable.  
(R21) Harmful in contact with skin.  
(R25) Toxic if swallowed.  
(R26) Very toxic by inhalation.  
(R37) Irritating to respiratory system.  
(R37/38) Irritating to respiratory system and skin.  
(R38) Irritating to skin.  
(R41) Risk of serious damage to eyes.  
(R50/53) Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
(R51/53) Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. (R53)  
May cause long-term adverse effects in the aquatic environment.  
(R65) Harmful: May cause lung damage if swallowed.  
(R66) Repeated exposure may cause skin dryness or cracking (R67) Vapours may cause drowsiness and dizziness

' ' is the property of a Syngenta Group company.

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| Read the label before you buy: use pesticides safely.

| This data sheet was prepared in accordance with Directive 91/155/EEC (93/112/EC,  
| 2001/58/EC)

| 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 and use of the  
| product. It is not applicable to unusual or non-standard uses of the product nor  
| where instructions or recommendations are not followed.

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from the previous version.