

Safety Data Sheet
According to 91/155 EEC

Printing date 19.04.2001

Reviewed on 18.04.2001

1 Identification of substance

- **Product details**
- **Trade name:** PREVICUR 607 SL
Synonym: PREVICUR N ROT, SPINAKER 607 SL, CQ 1492
AE-Code: AE B066752 00 SL67 A1 (Spec. 0836)
- **MSDS-No.:** SD 332.7
- **Article number:** 107518
- **Manufacturer/Supplier:**
Aventis CropScience GmbH, Werk Wolfenbüttel
Postfach 18 62
D-38288 Wolfenbüttel
phone: +49 5331/401-1
- **Informing department:**
Transport safety department
phone: +49 5331/401 935
- **Emergency information:**
Safety centre
+49 5331/401 225

2 Composition/Data on components:

- **Chemical characterization**
- **Description:**
Soluble concentrate (SL), contains:
66,5% propamocarb-hydrochloride (722 g/l)
- **Dangerous components:** Void

3 Hazards identification

- **Information pertaining to particular dangers for man and environment void**

4 First aid measures

- **General information** Instantly remove any clothing soiled by the product.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact**
Instantly wash with water and soap and rinse thoroughly.
In case of skin irritation consult a doctor.
- **After eye contact**
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **After swallowing**
Do not initiate vomiting. Rinse out mouth and then drink plenty of water.
Consult a doctor.
Administer medicinal carbon

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- **Information for doctor**
Although it is a Carbamate it is NOT a Cholinesterase-inhibitor.
- **Treatment:** Symptomatic treatment.

5 Fire fighting measures

- **Suitable extinguishing agents**
Use fire fighting measures that suit the environment.
Non-combustible. In case of fire in the environment, cool container with water spray.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective clothing.
- **Measures for environmental protection:**
Do not allow to enter drainage system, surface or ground water.
Inform respective authorities in case product reaches water or sewage system.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.
- **Additional information:** See Section 13 for information on disposal.

7 Handling and storage

- **Handling**
- **Information for safe handling:** Keep containers tightly sealed.
- **Information about protection against explosions and fires:**
No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:**
Store only in the original container.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
- **Further information about storage conditions:**
- **Minimum storage temperature** -20°C
- **Recommended storage temperature:**
In unopened original containers below +28°C and protected from sunlight the product is stable at least for 2 years.
- **Storage class** 12
- **Class according to regulation on inflammable liquids:** Void

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8 Exposure controls and personal protection

- **Additional information about design of technical systems:**
No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:**
Not required.
- **Additional information:**
The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
The usual precautionary measures should be adhered to in handling the chemicals.
Keep away from foodstuffs, beverages and food.
Take off immediately all contaminated clothing.
Wash hands during breaks and at the end of the work.
- **Breathing equipment:**
Use breathing protection only when aerosol or mist is formed.
Filter A/P2 (according DIN 3181).
- **Protection of hands:** Protective gloves.
- **Eye protection:** Tightly sealed safety glasses.
- **Body protection:** Impervious protective clothing

9 Physical and chemical properties:

- Form:	Fluid
- Colour:	Light red
- Odour:	Recognizable
- Change in condition	
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	100°C
- Flash point:	Not applicable
- Self-inflammability:	Product is not self-igniting.
- Danger of explosion:	Product is not explosive.
- Vapour pressure at 20°C:	38 mbar
- Density at 20°C	1.085 g/cm3
- Solubility in / Miscibility with	
Water:	Fully miscible
- pH-value (100 g/l) at 20°C:	2-4
- Solvent content:	
Organic solvents:	0.0 %
Water:	33.5 %

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- Solids content: 66.5 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known
- **Dangerous products of composition:** No dangerous decomposition products known

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Moderately and reversibly irritating.
- **Sensitization:** Non-sensitizing
- **Other information (about experimental toxicology):**
Studies with Previcur N:
LD50 oral rat: 4361 mg Previcur N/kg = 2900 mg propamocarb hydrochloride /kg male rat and 3008 mg Previcur N/kg = 2000 mg propamocarb hydrochloride/kg female rat. (A85409)
LD50 dermal rat: >4511 mg Previcur N/kg = >3000 mg propamocarb hydrochloride/kg. (A85412)
LC50 (4 h) inhal. rat: >11.4 ml Previcur N/m³ = >8,0 g propamocarb hydrochloride/m³ (based on actual aerosol concentrations) (A85360)
Up to 3000 mg Previcur N/kg rat/day, there was no cholinesterase inhibition.
- **Subacute to chronic toxicity:**
In 2-year feeding trials with propamocarb hydrochloride in rats, mice and dogs the NOEL (no observable effect level) was:

Species	ppm in diet	mg/kg body weight
rat	1000	41
mouse	500	53
dog	3000	70
- **Additional toxicological information:**
The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version.

12 Ecological information:

- **Behaviour in environmental systems:**
- **Mobility and bioaccumulation potential:**
Partition coefficient n-octanol/water for propamocarb-hydrochloride:
log Po/w -2.6 (at pH 4.1).

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- **Ecotoxicological effects:**
- **Aquatic toxicity:**
- **Type of test**

Acute toxicity of Previcur N expressed as propamocarb hydrochloride to aquatic organisms:

LC50 (96 h) rainbow trout: >99 mg propamocarb hydrochloride/l (A85569)
 LC50 (96 h) bluegill sunfish: >92 mg propamocarb hydrochloride/l (A85566)
 EC50 (48 h) daphnia magna: >106 mg propamocarb hydrochloride/l (A85590)
 IrC50(90 h) algae (Scenedesmus quadricauda): 595 mg propamocarb hydrochloride/l
 IbC50(90 h) algae (Scenedesmus quadricauda): 378 mg propamocarb hydrochloride/l (A85503)

- **Other information:**

Toxicity to birds:

LD50 for pheasants: 3050 mg propamocarb-hydrochloride/kg and for mallard ducks >6289 mg propamocarb-hydrochloride/kg.

Dietary LC50 (5 d) for mallard ducks 12915 mg propamocarb-hydrochloride/kg and for pheasants and quail >25000 mg propamocarb-hydrochloride/kg.

Toxicity to earth-worm:

LC50 (14 d) for eisenia foetida >700 mg propamocarb-hydrochloride/kg soil.

Toxicity to bacteria:

LOEC Pseudomonas putida: 145 mg propamocarb-hydrochloride/l water.

- **General notes:**

Water hazard class 1 (Self-assessment) (German Regulation): slightly hazardous for water.

13 Disposal considerations

- **Product:**
- **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue**

02 01 05	agrochemical wastes
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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

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14 Transport information

- Land transport ADR/RID (cross-border)

- ADR/RID Class: --
- Number/Letter: --
- Hazard number: --
- UN-Number: --

- Maritime transport IMDG:

- IMDG Class: --
- UN Number: --
- Packaging group: --
- EMS Number: --
- MFAG: --

- Air transport ICAO-TI and IATA-DGR:

- ICAO/IATA Class: --
- UN/ID Number: --
- Packaging group: --
- Remarks: Not Restricted

- Transport/Additional information: Non-dangerous good!

15 Regulatory information

- Designation according to EC guidelines:

The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).
The classification is in line with Annex I of Directive 88/379/EEC and is not applicable to pesticides in consumer packages.
Observe the normal safety regulations when handling chemicals

- German regulations

- Classification according to VbF: Void

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- Technical instructions (air):

Class	Share in %
water	33.5
III	66.5

- Water hazard class:

Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

All dangerous components, their hazards identification and the necessary measures in this Safety Data Sheet according to 91/155/EEC are based on our present knowledge.

Sources:

Informationen zum Wirkstoff Propamocarb-hydrochlorid, Schering AG
Pflanzenschutz Deutschland, Januar 1990.

Reports: C002310, C002314.

- Department issuing data specification sheet:

Transport safety department, Wolfenbüttel

- Contact: Mr. Oehne: +49 5331/401 935