



Safety Data Sheet dated 20/6/2014, version 1

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- 1.1. Product identifier  
Mixture identification:  
Trade name: **INSECTACLEAR D**
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
- 1.3. Details of the supplier of the safety data sheet  
Company:  
LODI UK  
Pensnett Trading Estate 3rd Avenue  
West Midlands  
DY6 7FD KINGSWINFORD United Kingdom  
Tel. 00 44 1628 779 027  
Competent person responsible for the safety data sheet:  
regulatory@lodi.fr
- 1.4. Emergency telephone number  
NPIS 0121 5078 4123 Birmingham Centre

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**SECTION 2: Hazards identification**

- 2.1. Classification of the substance or mixture  
Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:  
Properties / Symbols:  
N Dangerous for the environment  
R Phrases:  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Adverse physicochemical, human health and environmental effects:  
No other hazards

- 2.2. Label elements  
Symbols:



- Symbols:  
N Dangerous for the environment  
R Phrases:  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
S Phrases  
S23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).  
S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

Special Provisions:  
None

Special provisions according to Annex XVII of REACH and subsequent amendments:

## Safety Data Sheet

### INSECTACLEAR D

- None
- 2.3. Other hazards  
vPvB Substances: None - PBT Substances: None
- Other Hazards:  
No other hazards

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#### SECTION 3: Composition/information on ingredients

- 3.1. Substances  
N.A.
- 3.2. Mixtures  
Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:
- 0.04% D-Phenothrin  
CAS: 188023-86-1, EC: 247-404-5  
N; R50-53
-  4.1/A1 Aquatic Acute 1 H400
-  4.1/C1 Aquatic Chronic 1 H410

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#### SECTION 4: First aid measures

- 4.1. Description of first aid measures
- In case of skin contact:  
Wash with plenty of water and soap.
- In case of eyes contact:  
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- In case of Ingestion:  
Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.
- In case of Inhalation:  
Remove casualty to fresh air and keep warm and at rest.
- 4.2. Most important symptoms and effects, both acute and delayed  
None
- 4.3. Indication of any immediate medical attention and special treatment needed  
Treatment:  
None

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#### SECTION 5: Firefighting measures

- 5.1. Extinguishing media  
Suitable extinguishing media:  
Water.  
Carbon dioxide (CO<sub>2</sub>).  
Extinguishing media which must not be used for safety reasons:  
None in particular.
- 5.2. Special hazards arising from the substance or mixture  
Do not inhale explosion and combustion gases.  
Burning produces heavy smoke.
- 5.3. Advice for firefighters  
Use suitable breathing apparatus .  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Move undamaged containers from immediate hazard area if it can be done safely.

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**SECTION 6: Accidental release measures**

- 6.1. Personal precautions, protective equipment and emergency procedures
  - Wear personal protection equipment.
  - Remove persons to safety.
  - See protective measures under point 7 and 8.
- 6.2. Environmental precautions
  - Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
  - Retain contaminated washing water and dispose it.
  - In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
  - Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up
  - Rapidly recover the product. To do so, wear a mask and protective clothing.
  - Wash with plenty of water.
- 6.4. Reference to other sections
  - See also section 8 and 13

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**SECTION 7: Handling and storage**

- 7.1. Precautions for safe handling
  - Avoid contact with skin and eyes, inhalation of vapours and mists.
  - Don't use empty container before they have been cleaned.
  - Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
  - Contaminated clothing should be changed before entering eating areas.
  - Do not eat or drink while working.
  - See also section 8 for recommended protective equipment.
- 7.2. Conditions for safe storage, including any incompatibilities
  - Keep away from food, drink and feed.
  - Store in dry, well-ventilated area.
  - Incompatible materials:
    - None in particular.
  - Instructions as regards storage premises:
    - Adequately ventilated premises.
- 7.3. Specific end use(s)
  - None in particular

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**SECTION 8: Exposure controls/personal protection**

- 8.1. Control parameters
  - No occupational exposure limit available
  - DNEL Exposure Limit Values
    - N.A.
  - PNEC Exposure Limit Values
    - N.A.
- 8.2. Exposure controls
  - Eye protection:
    - Not needed for normal use. Anyway, operate according good working practices.
  - Protection for skin:
    - No special precaution must be adopted for normal use.
  - Protection for hands:
    - Not needed for normal use.
  - Respiratory protection:
    - Use adequate protective respiratory equipment.
  - Thermal Hazards:
    - None
  - Environmental exposure controls:

## Safety Data Sheet

### INSECTACLEAR D

None

#### SECTION 9: Physical and chemical properties

- 9.1. Information on basic physical and chemical properties
- |   |                        |
|---|------------------------|
| Appearance and colour:                        | Liquid Slightly Yellow |
| Odour:  | Carateristic           |
| Odour threshold:                              | N.A.                   |
| pH:   | <7                     |
| Melting point / freezing point:               | N.A.                   |
| Initial boiling point and boiling range:      | N.A.                   |
| Solid/gas flammability:                       | N.A.                   |
| Upper/lower flammability or explosive limits: | N.A.                   |
| Vapour density:                               | N.A.                   |
| Flash point:                                  | N.A.                   |
| Evaporation rate:                             | N.A.                   |
| Vapour pressure:                              | N.A.                   |
| Relative density:                             | 0,99                   |
| Solubility in water:                          | N.A.                   |
| Solubility in oil:                            | N.A.                   |
| Partition coefficient (n-octanol/water):      | N.A.                   |
| Auto-ignition temperature:                    | N.A.                   |
| Decomposition temperature:                    | N.A.                   |
| Viscosity:                                    | N.A.                   |
| Explosive properties:                         | N.A.                   |
| Oxidizing properties:                         | N.A.                   |
- 9.2. Other information
- |                                      |      |
|--------------------------------------|------|
| Miscibility:                         | N.A. |
| Fat Solubility:                      | N.A. |
| Conductivity:                        | N.A. |
| Substance Groups relevant properties | N.A. |

#### SECTION 10: Stability and reactivity

- 10.1. Reactivity  
Stable under normal conditions
- 10.2. Chemical stability  
Stable under normal conditions
- 10.3. Possibility of hazardous reactions  
None
- 10.4. Conditions to avoid  
Stable under normal conditions.
- 10.5. Incompatible materials  
None in particular.
- 10.6. Hazardous decomposition products  
None.

#### SECTION 11: Toxicological information

- 11.1. Information on toxicological effects
- Toxicological information of the mixture:  
N.A.
- Toxicological information of the main substances found in the mixture:  
D-Phenothrin - CAS: 188023-86-1
- a) acute toxicity:  
Test: LD50 - Route: oral - Species: Rat : = 2,1 mg/Kg

## Safety Data Sheet

### INSECTACLEAR D

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

#### SECTION 12: Ecological information

##### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

D-Phenothrin - CAS: 188023-86-1

##### a) Aquatic acute toxicity:

Endpoint: LC50 fish = 0.0027 mg/L - Duration h: 96

##### 12.2. Persistence and degradability

N.A.

##### 12.3. Bioaccumulative potential

N.A.

##### 12.4. Mobility in soil

N.A.

##### 12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

##### 12.6. Other adverse effects

None

#### SECTION 13: Disposal considerations

##### 13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

#### SECTION 14: Transport information

##### 14.1. UN number

ADR-UN number: 3082

IMDG-Un number: 3082

##### 14.2. UN proper shipping name

ADR-Shipping Name: MATIERE DANGEREUSE DU POINT DE VUE DE L'ENVIRONNEMENT, LIQUIDE, N,S,A (D-Phenothrin), 9,III, (E)

##### 14.3. Transport hazard class(es)

ADR-Class: 9

##### 14.4. Packing group

ADR-Packing Group: III

##### 14.5. Environmental hazards

Marine pollutant: Marine pollutant

Most important toxic component:

## Safety Data Sheet

### INSECTACLEAR D

- 14.6. Special precautions for user  
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code  
N.A.

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#### SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture  
Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances)  
Dir. 99/45/EC (Classification, packaging and labelling of dangerous preparations)  
Dir. 98/24/EC (Risks related to chemical agents at work)  
Dir. 2000/39/EC (Occupational exposure limit values)  
Dir. 2006/8/EC  
Regulation (EC) n. 1907/2006 (REACH)  
Regulation (EC) n. 1272/2008 (CLP)  
Regulation (EC) n. 790/2009 (ATP 1 CLP)  
Regulation (EU) n. 453/2010 (Annex I)  
Regulation (EU) n. 286/2011 (ATP 2 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restriction 3

Where applicable, refer to the following regulatory provisions :

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

1999/13/EC (VOC directive)

- 15.2. Chemical safety assessment  
No

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#### SECTION 16: Other information

Full text of phrases referred to in Section 3:

R50 Very toxic to aquatic organisms.

R51 Toxic to aquatic organisms.

R53 May cause long-term adverse effects in the aquatic environment.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,  
Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van  
Nostrand Reinold

CCNL - Appendix 1

Insert further consulted bibliography

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR: European Agreement concerning the International Carriage of  
Dangerous Goods by Road.

CAS: Chemical Abstracts Service (division of the American Chemical  
Society).

## Safety Data Sheet

### INSECTACLEAR D

CLP:	Classification, Labeling, Packaging.
CSR:	Chemical safety report
DNEL:	Derived No Effect Level.
EC50:	
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
N.A.:	Not available
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
UN:	United Nations
WGK:	German Water Hazard Class.
N.A.:	N.A.
N.D.:	