

SAFETY DATA SHEET

Page : 1

Revised edition no : 2

Date : 7 / 11 / 2007

Supersedes : 23 / 2 / 2006

PERBIO CHOC RTU**I3030**N : Dangerous for
the environment

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

Trade name : PERBIO CHOC RTU
Type of product : Insecticide.
Responsible for placing on the market : LODI
Parc d'Activités des Quatre Routes
35390 GRAND FOUGERAY France
Email contact: regulatory@lodi.fr

Emergency phone nr : NPIS 0121 5078 4123 BIRMINGHAM CENTRE
BNPC 00 33 3 83 32 36 36 NANCY FRANCE

2 HAZARDS IDENTIFICATION

Dangerous product : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- **Inhalation** : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

- **Skin contact** : Repeated exposure to this material can result in absorption through skin.

- **Ingestion** : Must not come into contact with food or be consumed.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Components / Impurities : This product is hazardous.

Substance name	Contents	CAS No	EC No	Index No	Classification
Tetraméthrine	: 5 g/l	7696-12-0	231-711-6	----	N; R50-53
permethrin	: 5 g/l	52645-53-1	258-067-9	613-058-00-2	Xn; R20/22 R43 N; R50-53
Piperonyl butoxide	: < 40 g/l	51-03-6	----	----	N; R50-53
1-Methoxy-2-propanol	: < 1.5 %	107-98-2	203-539-1	603-064-00-3	R10
2-methoxypropanol	: < 0.5 %	1589-47-5	216-455-5	603-106-00-0	R10 Repr. Cat. 2; R61 Xi; R37/38-41

4 FIRST AID MEASURES

- **Inhalation** : Assure fresh air breathing.

- **Skin contact** : Wash skin with mild soap and water.

- **Eye contact** : Rinse with water.

- **Ingestion** : Rinse mouth. Seek medical advice (show the label where possible).

5 FIRE-FIGHTING MEASURES

Extinguishing media : All extinguishing media can be used.

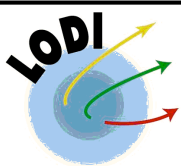
Surrounding fires : Use water spray or fog for cooling exposed containers.

Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.

Special procedures : Avoid (reject) fire-fighting water to enter environment.

LODI

Parc d'Activités des Quatre Routes 35390 GRAND FOUGERAY France
Email contact: regulatory@lodi.fr



SAFETY DATA SHEET

Page : 2

Revised edition no : 2

Date : 7 / 11 / 2007

Supersedes : 23 / 2 / 2006

PERBIO CHOC RTU

I3030

5 FIRE-FIGHTING MEASURES (continued)

Exercise caution when fighting any chemical fire.

6 ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Equip cleanup crew with proper protection.
- Environmental precautions** : Notify authorities if product enters sewers or public waters. Prevent entry to sewers and public waters. Toxic to aquatic life.
- Clean up methods** : Sweep or shovel spills into appropriate container for disposal. Use suitable disposal containers.

7 HANDLING AND STORAGE

- General** : Avoid all unnecessary exposure.
- Storage** : Store in dry, well-ventilated area.
- Handling** : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

- Personal protection**
- **Respiratory protection** : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
 - **Hand protection** : In case of repeated or prolonged contact wear gloves.
 - **Skin protection** : No special clothing/skin protection equipment is recommended under normal conditions of use.
 - **Eye protection** : Not required.
 - **Ingestion** : When using, do not eat, drink or smoke.
- Occupational Exposure Limits** : 1-Methoxy-2-propanol : OEL (UK)-LTEL [ppm] : 100
1-Methoxy-2-propanol : OEL (UK)-STEL [ppm] : 150
- Exposure controls** : This product contains hazardous components for the aquatic environment. Avoid release to the environment.

9 PHYSICAL AND CHEMICAL PROPERTIES

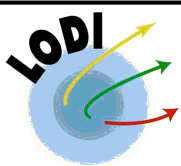
- Physical state at 20 °C** : Liquid.
- Colour** : Slightly yellow.
- Odour** : Characteristic.
- Density** : 0.795
- Viscosity** : 8.75mm²/sec (40°C)
- Solubility in water [vol/vol]** : Partial.
- Flash point [°C]** : >62°C

10 STABILITY AND REACTIVITY

- Hazardous reactions** : None under normal conditions.
- Hazardous properties** : None under normal conditions.

LODI

Parc d'Activités des Quatre Routes 35390 GRAND FOUGERAY France
Email contact: regulatory@lodi.fr



SAFETY DATA SHEET

Page : 3

Revised edition no : 2

Date : 7 / 11 / 2007

Supersedes : 23 / 2 / 2006

PERBIO CHOC RTU

I3030

11 TOXICOLOGICAL INFORMATION

- Inhalation : None under normal conditions.
 - Dermal : Not regulated under the criteria of Directive 67/548/EEC.
 - Other : Not irritating under the criteria of Directive 67/548/EEC.
- Rat oral LD50 [mg/kg] : On active ingredients:
- Permethrin: 430mg/Kg
- Tetramethrin: > 5000mg/Kg

12 ECOLOGICAL INFORMATION

- Ecological effects information : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Avoid release to the environment.
- 96 H-LC50 - Rainbow trout [mg/l] : Tetramethrin: 0.0037mg/L
48 H-LC50 - Daphnia magna [mg/l] : Permethrin: 0.0006mg/L

13 DISPOSAL CONSIDERATIONS

- General : Dispose of this material and its container at hazardous or special waste collection point. Dispose in a safe manner in accordance with local/national regulations. Avoid release to the environment.

14 TRANSPORT INFORMATION

- Shipping name : UN3082 MATIÈRE DANGEREUSE DU POINT DE VUE DE L'ENVIRONNEMENT, LIQUIDE, N.S.A., 9, III (permethrin)
- ADR/RID : LQ 7
Combination packagings - Inner packaging : Maximum : 5 l
Combination packagings - Package : Maximum : 30 kg
Inner packagings placed in shrink-wrapped or stretch-wrapped trays - Inner packaging : Maximum contents : 5 l
Inner packagings placed in shrink-wrapped or stretch-wrapped trays - Package Maximum : 20 kg

15 REGULATORY INFORMATION

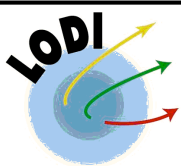
- Symbol(s) : N : Dangerous for the environment
 - R Phrase(s) : R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 - S Phrase(s) : S23 : Do not breathe spray.
S35 : This material and its container must be disposed of in a safe way.
S51 : Use only in well-ventilated areas.
S61 : Avoid release to the environment. Refer to special instructions/Safety data sheets.
- Further Phrases : Contains : - permethrin . May produce an allergic reaction.

16 OTHER INFORMATION

- Recommended uses and restrictions : See product bulletin for detailed information.
- List of relevant R phrases (heading 2) : 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 sensitization by skin contact.
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

LODI

Parc d'Activités des Quatre Routes 35390 GRAND FOUGERAY France
Email contact: regulatory@lodi.fr



SAFETY DATA SHEET

Page : 4

Revised edition no : 2

Date : 7 / 11 / 2007

Supersedes : 23 / 2 / 2006

PERBIO CHOC RTU**I3030****16 OTHER INFORMATION (continued)**

Revision : R61 : May cause harm to the unborn child.
Print date : Revision - See : *
Further information : 7 / 11 / 2007
: None.

The contents and format of this SDS are in accordance with EEC Commission Directive 2001/58EC.

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

End of document