

SAFETY DATA SHEET

Page : 1

Revised edition no : 3

Date : 6 / 11 / 2007

Supersedes : 15 / 6 / 2006

DIGRAIN WASPS AND HORNETS DESTROYER

18057

N : Dangerous for the environment



F+ : Extremely flammable

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

Trade name : DIGRAIN WASPS AND HORNETS DESTROYER
Identification of the product : Aerosol.
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

Risk Phrases : Extremely flammable.
Environmental hazard : 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
permethrin	: 0.25 %	52645-53-1	258-067-9	613-058-00-2	Xn; R20/22 R43 N; R50-53
Tetraméthrine	: 0.24 %	7696-12-0	231-711-6	-----	N; R50-53
Acetone	: 1 to 20 %	67-64-1	200-662-2	606-001-00-8	F; R11 R66 R67 Xi; R36
Butane n-	: 1 70 % Wt/Wt	106-97-8	203-448-7	601-004-00-0	F+; R12
Propan-2-ol	: 1 to 20 %	67-63-0	200-661-7	603-117-00-0	F; R11 R67 Xi; R36
Piperonyl butoxide	: 1 to 25 %	51-03-6	-----	-----	N; R50-53
Propane	: 1 to 5 %	74-98-6	200-827-9	601-003-00-5	F+; R12

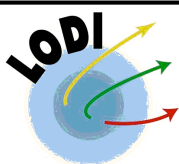
4 FIRST AID MEASURES

First aid measures

- Inhalation : Assure fresh air breathing.
Remove victim to uncontaminated area.
- Skin contact : Wash skin thoroughly with mild soap and water.
- Eye contact : Rinse immediately with plenty of water. Seek medical attention if ill effect or irritation develops.

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4 FIRST AID MEASURES (continued)

- Ingestion : Ingestion unlikely. Rinse mouth.
General information : In all case : Obtain medical attention.

5 FIRE-FIGHTING MEASURES

- Specific hazards : Vapour mixes readily with air, forming explosive mixtures.
Extinguishing media : Dry powder. Carbon dioxide.
Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.
Special procedures : Use water spray or fog for cooling exposed containers.
Avoid (reject) fire-fighting water to enter environment.
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.
Clean up methods : Remove ignition sources. Dilute residues and flush. Waste mixtures containing propane/butane may not enter into drains or sewers where vapours could accumulate and ignite.

7 HANDLING AND STORAGE

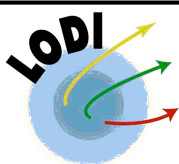
- General : Avoid all unnecessary exposure.
Precautions in handling and storage : Keep away from sources of ignition - No Smoking.
Storage : Store in dry, cool, well-ventilated area. Use special care to avoid static electric charges.
Storage - away from : Direct sunlight. Heat sources. Sparks. Open flame.
Handling : Handle in accordance with good industrial hygiene and safety procedures. Keep away from food, drink and animal feeding stuffs.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

- Personal protection
- Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
- Skin protection : Gloves.
- Eye protection : Not required.
Industrial hygiene : Provide adequate ventilation to minimize dust and/or vapour concentrations. When using, do not eat, drink or smoke.
Occupational Exposure Limits :
Butane n- : TLV[©] -TWA [ppm] : 800
Butane n- : OEL (UK)-LTEL [ppm] : 600
Butane n- : OEL (UK)-STEL [ppm] : 750
Butane n- : VME - France [ppm] : 800
Butane n- : MAK - Germany [ppm] : 1000
Propane : TLV[©] -TWA [ppm] : 2500
Propane : MAK - Germany [ppm] : 1000
Acetone : OEL (UK)-LTEL [ppm] : 500
Acetone : OEL (UK)-STEL [ppm] : 1500
Propan-2-ol : OEL (UK)-LTEL [ppm] : 400
Propan-2-ol : OEL (UK)-STEL [ppm] : 500

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9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 20 °C	: Compressed gas.
Colour	: Yellow.
Odour	: Lemon.
Boiling point [°C]	: < 35°C
Density	: <1
Solubility in water [vol/vol]	: Soluble in water with difficulty.
Flash point [°C]	: < 0°C

10 STABILITY AND REACTIVITY

Hazardous decomposition products	: None under normal conditions.
Hazardous reactions	: In use, may form flammable/explosive vapour-air mixture.
Conditions to avoid	: Heat. Direct sunlight. Open flame. Sparks.

11 TOXICOLOGICAL INFORMATION

Toxicity information	: contains pyrethroids (permethrin&tetramethrin) After skin contact, cutaneous sensations may occur, such as burning or stinging on the face and mucosae. However, these sensations cause no lesions and are a transitory nature (max 24 hours).
Rat oral LD50 [mg/kg]	: Permethrin: 430 mg/Kg Tetramethrin: > 5000 mg/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: 0.0037 mg/L
48 H-LC50 - Daphnia magna [mg/l]	: Permethrin: 0.0006 mg/L

13 DISPOSAL CONSIDERATIONS

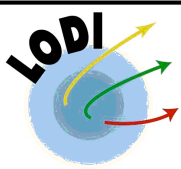
General	: Container under pressure. Do not drill or burn even after use. WHEN TOTALLY EMPTY, containers are recyclable like any other packing. When not empty dispose of this container at hazardous or special waste collection point. Dispose in a safe manner in accordance with local/national regulations.
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14 TRANSPORT INFORMATION

Shipping name	: UN1950 AÉROSOLS, 2.1, 5F (butane propane)
UN No.	: 1950
H.I. nr	: --
ADR/RID	: LQ 2 Combination packagings - Inner packaging : Maximum : 1 l Combination packagings - Package : Maximum : 30 kg Inner packagings placed in shrink-wrapped or stretch-wrapped trays - Inner packaging : Maximum contents : 1 l Inner packagings placed in shrink-wrapped or stretch-wrapped trays - Package Maximum : 20 kg Group : F Class : 2

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14 TRANSPORT INFORMATION (continued)

- Proper shipping name : AEROSOLS

15 REGULATORY INFORMATION

- **Symbol(s)** : F+ : Extremely flammable
N : Dangerous for the environment
- **R Phrase(s)** : R12 : Extremely flammable.
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **S Phrase(s)** : S2 : Keep out of the reach of children.
S23 : Do not breathe spray.
S46 : If swallowed seek medical advice immediately and show this container or label.
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.
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)** : R11 : Highly flammable.
R12 : Extremely flammable.
R20/22 : Harmful by inhalation and if swallowed.
R36 : Irritating 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.
R66 : Repeated exposure may cause skin dryness or cracking.
R67 : Vapours may cause drowsiness and dizziness.
- Revision** : Revision - See : *
- Print date** : 6 / 11 / 2007
- Further information** : None.

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

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