

SAFETY DATA SHEET

Page : 1

Revised edition no : 3

Date : 19 / 10 / 2009

Supersedes : 6 / 11 / 2007

DIGRAIN ONE SHOT**UK ONE SHOT**

N : Dangerous for the environment



F : Highly flammable



Xi : Irritant

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

Trade name : DIGRAIN ONE SHOT
Type of product : Insecticide.
Use : Biocide
Responsible for placing on the market : LODI UK
Pensnett Trading Estate 3rd Avenue
West Midlands
DY6 7FD KINGSWINFORD United Kingdom
Tel. 00 44 1628 779 027
Email contact: regulatory@lodi.fr
Emergency phone nr : NPIS 0121 5078 4123 BIRMINGHAM CENTRE

2 HAZARDS IDENTIFICATION

Risk Phrases : Highly flammable.
Irritating to skin.
May cause sensitization by skin contact.
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Primary route of exposure : Skin contact.

Symptoms relating to use
- **Skin contact** : Irritating to skin. May cause sensitization by skin contact.

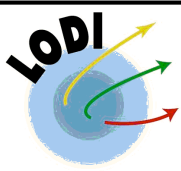
3 COMPOSITION / INFORMATION ON INGREDIENTS

Components / Impurities : This product is hazardous.

Substance name	Contents	CAS No	EC No	Index No	Classification
permethrin	: 1 to 25 %	52645-53-1	258-067-9	613-058-00-2	Xn; R20/22 R43 N; R50-53
Hexane, mixture of isomers (containing < 5 % n-hexane (203-777-6))	: 25 to 100 %	-----	-----	601-007-00-7	F; R11 Xn; R65 R67 Xi; R38 N; R51-53
Pentane and isopentane	: 1 to 25 %	-----	-----	601-006-00-1	F+; R12 Xn; R65 R66 R67 N; R51-53
n-hexane	: 2.5 to 5 %	-----	-----	-----	F; R11 Repr. Cat. 3; R62 Xn; R65-48/20 R67 Xi; R38 N; R51-53
1,1,1,2-Tetrafluoroethane (R 134a)	: 25 to 50 %	811-97-2	212-377-0	-----	

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4 FIRST AID MEASURES

First aid measures

- **Skin contact** : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- **Eye contact** : Rinse immediately with plenty of water. Contact ophthalmologist immediately.
- **Ingestion** : Rinse mouth.
- General information** : In all case : Obtain medical attention.

5 FIRE-FIGHTING MEASURES

- Flammable class** : Highly flammable.
- Prevention** : No smoking. Keep away from sources of ignition.
- Extinguishing media** : Foam. Carbon dioxide. Dry powder. Use extinguishing media appropriate for surrounding fire.
- 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.
Exercise caution when fighting any chemical fire.
Use water spray or fog for cooling exposed containers.

6 ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Equip cleanup crew with proper protection. Wear recommended personal protective equipment.
- Environmental precautions** : Notify authorities if product enters sewers or public waters. Toxic to aquatic life.
- Clean up methods** : Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal.

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 tightly closed packings. Use special care to avoid static electric charges. Keep only in the original container in a cool, well ventilated place.
- Storage - away from** : Direct sunlight. Heat sources. Sparks. Open flame.
- Handling** : Do not breathe gas, fumes, vapour or spray. Where contact with eyes or skin is likely, wear suitable protection. Ensure prompt removal from eyes. For even minor contact, immediately remove contaminated clothing/wash skin thoroughly with mild soap / water. Handle in accordance with good industrial hygiene and safety procedures. Keep away from food, drink and animal feeding stuffs. Keep away from food, drink and animal feeding stuffs. 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

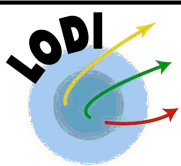
- Personal protection**
- **Skin protection** : When skin contact is possible, protective clothing including gloves, apron, sleeves, boots, head and face protection must be worn.
- **Others** : Ventilate area.
- Industrial hygiene** : Ensure prompt removal from eyes, skin and clothing. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
- Occupational Exposure Limits** : 1,1,1,2-Tetrafluoroethane (R 134a) : OEL (UK)-LTEL [ppm] : 1000

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8 EXPOSURE CONTROLS / PERSONAL PROTECTION (continued)

Exposure controls : n-hexane : OEL (UK)-LTEL [ppm] : 20
: 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. (sous pression)
Colour : Yellow.
Odour : Characteristic.
Density : (principe actif) < 1
Flash point [°C] : < 21°C

10 STABILITY AND REACTIVITY

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

11 TOXICOLOGICAL INFORMATION

- Dermal : Product: May cause sensitization by skin contact.
Rat oral LD50 [mg/kg] : Permethrin : 430 mg/Kg

12 ECOLOGICAL INFORMATION

Ecological effects information : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Environmental precautions : Do not allow minor leaks or spills to accumulate on walking surfaces.
Prevent entry to sewers and public waters.
Do not contaminate water with the product or its container. Do not clean application equipment near surface water.
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.
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

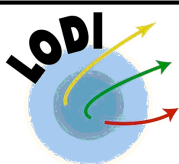
Shipping name : UN1950 AÉROSOLS, 2.1, 5F
UN No. : 1950
H.I. nr : --
ADR/RID : LQ 2
Combination packagings - Inner packaging : Maximum : 1 l
Combination packagings - Package : Maximum : 30 kg
Inner packagings placed in shrink-wrapped or stretch-wrapped trays - Inner

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14 TRANSPORT INFORMATION (continued)

packaging : Maximum contents : 1 l
Inner packagings placed in shrink-wrapped or stretch-wrapped trays - Package
Maximum : 20 kg
Class : 2
Group : F

15 REGULATORY INFORMATION

- **Symbol(s)** : Xi : Irritant
F : Highly flammable
N : Dangerous for the environment
- **R Phrase(s)** : R11 : Highly flammable.
R38 : Irritating to skin.
R43 : May cause sensitization by skin contact.
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.
S24 : Avoid contact with skin.
S37 : Wear suitable gloves.
S51 : Use only in well-ventilated areas.
S61 : Avoid release to the environment. Refer to special instructions/Safety data sheets.
- Composition : Dangerous substance** : Hexane, mixture of isomers (containing < 5 % n-hexane (203-777-6)) - 1,1,1,2-Tetrafluoroethane (R 134a) - Pentane and isopentane - n-hexane - permethrin

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.
R38 : Irritating to skin.
R43 : May cause sensitization by skin contact.
R48/20 : Harmful : danger of serious damage to health by prolonged exposure through inhalation.
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.
R62 : Possible risk of impaired fertility.
R65 : Harmful : may cause lung damage if swallowed.
R66 : Repeated exposure may cause skin dryness or cracking.
R67 : Vapours may cause drowsiness and dizziness.
- Revision** : Revision - See : *
- Further information** : See product bulletin for detailed information.
None.

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

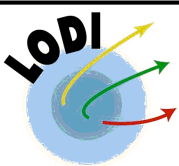
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End of document

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