

	SAFETY DATA SHEET	Revision n°: 0
		Date: 06/02/2014
		Supersedes data sheet: 0/0/0
DIGRAIN CONTROL		



Xi: Irritant



N: Hazardous to the environment



Inflammable

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name: **DIGRAIN CONTROL**
Product identification: Aerosol

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use: Insecticide
Reserved for professional use
Biocidal preparation/product

1.3. Details of the supplier of the Safety Data Sheet

Identification of company: **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

1.4. Emergency telephone number

NPIS 0121 5078 4123 BIRMINGHAM CENTRE

SECTION 2. Hazards identification

2.1. Classification of substance or mixture

EC 67/548 or EC 1999/45 classification:

R10
R67
R43
N; R50-53

Risk class and EC 1272/2008 regulatory code category (CLP):

Not applicable.

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2.2. Label elements

EC 67/548 or EC 1999/45 labelling

- **Symbol(s):**



Irritant.

Hazardous to the environment.

Inflammable.

This preparation is subject to European regulations governing labelling in accordance with European Directive 1999/45/EC, its adaptations and annexes thereto.

- **R phrase(s):**

R10: Inflammable

R43: May induce sensitization by skin contact.

R50/53: Highly toxic to aquatic organisms, potentially harmful long-term effects upon the aquatic environment.

R67: Inhalation of vapours may cause drowsiness and dizziness.

- **S phrase(s):**

S2: Keep out of the reach of children.

S16: Keep away from any naked flame or source of sparks – No smoking.

S23: Do not inhale aerosols.

S24: Avoid contact with the skin.

S51: Only use in well-ventilated zones.

S61: Avoid discharge into the environment. See special instructions/safety data sheet.

Contains:

Permethrin (case n° 52645-53-1): 1.40% m/m

Contains permethrin, may produce an allergic reaction.

Safety instructions:

Pressurized container. Keep out of sunlight and do not expose to temperatures in excess of 50°C. Do not pierce or burn, even after use.

Do not spray towards a naked flame or incandescent light source.

Not to be used for any application, other than its intended purpose.

Product expiry date: 2 years.

In case of ingestion, do not induce vomiting, consult a doctor immediately and show them the packaging or label. Contact your nearest poison control centre.

Remove all warm-blooded and cold-blooded animals, together with all food products, from the zone to be treated.

Packaging will be subject to disposal as hazardous waste, under the full responsibility of the holder of the waste concerned. Residues

must not be discharged into drains and water courses.

Biocidal agents must be used with care. Always read the label and product information before use.

Other information:

TP-18 Reserved for professional use

Type of preparation: Ready-to-use aerosol generator (AE)

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2.3. Other hazards

None under normal conditions.

Environmental hazard: Highly toxic to aquatic organisms, potentially harmful long-term effects upon the aquatic environment.

SECTION 3. Composition/information on ingredients

This product is classified as hazardous, and contains hazardous ingredients.

Name of substance	Value(s)	CAS n°	EINECS n°	EC reference	REACH	Classification
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclic, <2% aromatics:	10 – 20%	-	927-241-2	-	01-2119471843- 32	R10 Xn; R65 R66 R67 R52-53 Aquatic Chronic 3 (H412) Asp. Tox 1 (H304) Flam. Liq. 3 (H226) STOT SE 3 (H336) Skin Irrit. 3 (H316)
Propane-2-ol:	<20%	67-63-0	200-661-7	603-117-00-0	01-2119457558- 25	F: R11 R67 Xi; R38 Flam. Liq. 2 (H225) Eye Irrit. 2 (H319) STOT SE 3 (H336)
Permethrin:	1.4%	52845-53-1	258-067-9	613-058-00-2	-	Xn; R20/22 R43 N: R50-53 (M fact. = 1000) Acute Tox. 4 (H332) Acute Tox. 4 (H302) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
1,1,1,2-Tetrafluoroethane:	<80%	811-97-2	212-377-0	-	01-2119459374- 33	Not classified (DSD/DPD) Press. Gas (H280)

SECTION 4. First Aid measures

4.1. Description of First Aid measures

First Aid

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- **Inhalation:** Move the victim into the open air.
Consult a doctor if respiratory difficulties persist.
Place the victim in the recovery position.
- **Contact with the skin:** Remove any affected clothing and wash exposed areas of the skin using a mild soap and water, then rinse with hot water. Consult a doctor if irritation develops.
- **Contact with the eyes:** In case of contact with the eyes, rinse immediately with fresh water for 10 – 15 minutes. Consult a doctor if irritation develops.
- **Ingestion:** Rinse out the mouth.
Place the victim in the recovery position.
DO NOT INDUCE VOMITING.
Consult a doctor (if possible, show them the product label).

4.2. Most important symptoms and effects, both acute and delayed

Symptoms associated with use

- **Inhalation:** Inhalation of vapours may cause respiratory difficulties.
Inhalation of vapours may cause drowsiness and dizziness.
- **Contact with the skin:** May induce sensitization by skin contact.
- **Ingestion:** Ingestion is unlikely.
- **Contact with the eyes:** Contact with the eyes is likely to cause irritation.

Other information: In all cases: Consult a doctor.

4.3. Indication of any immediate attention and special treatment needed

Advice to doctors: symptomatic treatment should be applied.

SECTION 5. Fire-fighting measures

5.1. Extinguishing media

Extinguishing media

- **Appropriate:** Foam
Water spray. Carbon dioxide.
Powder.
- **Unsuitable:** A powerful stream of water should not be used.

5.2. Special hazards arising from the substance or mixture

Specific risks: The contamination of the environment by waste fire-fighting water should be prevented.

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5.3. Advice for fire-fighters

- Inflammability class:** Inflammable.
- Fire protection:** Do not enter the fire zone without protective equipment, including breathing apparatus.
- Special procedures:** Care must be exercised when fighting any chemical fire.
- Adjacent fires:** Any projection of burning aerosols resulting from explosion in response to excessive pressure caused by fire must be controlled.
In order to prevent any overpressure, aerosols should be cooled with water.
Exposed surfaces should be cooled by water spray.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General precautions:** Measures to be implemented in case of the piercing or crushing of aerosols, resulting in the escape of products contained in aerosols.
The zone should be ventilated.
Any source of ignition should be removed.
- Specific precautions:** Evacuate the area, and restrict access.
No smoking.
Spills must be cleaned by qualified clean-up personnel, equipped with appropriate respiratory and ocular protection.

6.2. Environmental precautions

- Environmental protection precautions:** The authorities should be alerted if the liquid enters drains or waters in the public domain.
Avoid any discharge into drains or drinking water sources.

6.3. Methods and material for containment and cleaning up

- Measures to be applied in case of leaks/spills:** Contain the product, for the purposes of recovery, or absorb using an appropriate material.

6.4. Reference to other sections

- Personal protective equipment: See Section 8 for more details.
Waste disposal: See Section 13 for more details.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

- General:** Not to be used for any application other than its intended purpose.
Do not inhale gases, vapours, fumes or aerosols.
Always store and handle on the assumption that a serious risk of fire/explosion and a hazard to health are still in place.

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All appropriate precautions must be implemented to prevent the start of a fire in case of accidental perforation by the forks of a forklift truck during the handling of aerosol pallets. Do not pierce, drop or crush containers or aerosols.

All customary precautions must be implemented during the loading or unloading of vehicles, in order to prevent the dropping of aerosols.

Do not spray in the vicinity of, or in the direction of a naked flame, an incandescent light source, or an electrical appliance in service – No smoking.

Handling: Wash the hands, and any other exposed parts of the body, with mild soap and water before eating, drinking, smoking or leaving the workplace.

Technical protective measures: Appropriate grounding arrangements should be applied for the prevention of static electricity.
Any electrical/mechanical equipment used should be grounded.

Precautions during handling and storage: Good ventilation of the workplace is essential.
Pressurized container – do not pierce or burn, even after use.
Only specified equipment which is appropriate to this product, and to its service temperature and pressure, should be used.

7.2. Conditions of safe storage, including any incompatibilities

Storage: To be stored at a temperature not exceeding 50°C.
Recommendations for warehouses and enclosures for the storage of aerosols will apply.
It is recommended that aerosols should receive special treatment for storage purposes. The “aerosols” zone should be separated, either by means of a metal grille of maximum mesh size 5 cm, forming a cage, or by means of walls, in order to prevent any projection of aerosols which might ignite other stocks.
No smoking.

In order to limit the risks of falling, pallets should be positioned as close as possible to the ground.

If packages are stacked, care must be taken to ensure that packages in the lower layer are not crushed (risk of leakage by compression).

It is recommended:

- that premises should be ventilated, and that no aerosol should be stored close to a source of heat, including sunlight.
- that the fire prevention procedure should be applied, in case of the conduct of works.

Store in dry and well-ventilated premises.

Store away from: Direct sunlight.
Naked flames.
Heat.
Sparks.

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7.3. Specific end use(s)

No data available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Limits on occupational exposure: Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics: VME - France [mg/m³]: 1200
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics: VME - France [ppm]: 226
Propane-2-ol: VLE – France [mg/m³]: 980
Propane-2-ol: VLE – France [ppm]: 400
1,1,1,2-Tetrafluoroethane: VLT-TWA [mg/m³]: 4420
1,1,1,2-Tetrafluoroethane: VLT-TWA [ppm]: 1000

8.2. Exposure controls

Personal protection

- **Respiratory protection:** No protective breathing apparatus is required under normal conditions of use, subject to adequate ventilation.
- **Skin protection:** Appropriate protective clothing should be worn.
- **Eye protection:** Eye protection will only be required where there is a risk of splashing or projection of liquid.
- **Ingestion:** Do not eat, drink or smoke while using the product.
- **Industrial hygiene:** The premises should be equipped with extraction or general ventilation facilities.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Appearance

Physical state: Liquid.
Colour: Colourless – light yellow

- Odour

Odour: Characteristic

- **Odour threshold:** /
- **pH:** /
- **Melting point/Freezing point:** /

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- Initial boiling point – Boiling range: /
- Flash point /
- Evaporation rate: /
- Flammability: /
- Explosive limits (lower – upper) /
- Vapour pressure: /
- Vapour density: /
- Relative density: /
- Solubility: /
- Partition coefficient: n-octanol/water: /
- Auto-ignition temperature: /
- Decomposition temperature: /
- Viscosity: /
- Explosive properties: /
- Oxidizing properties: /

9.2. Other information

SECTION 10. Stability and reactivity

10.1 Reactivity

/

10.2 Chemical stability

Stable under recommended conditions of handling and storage.

10.3 Possibility of hazardous reactions

None under normal conditions of use.

Hazardous reactions: None under normal conditions

Hazardous properties: None under normal conditions

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10.4 Conditions to avoid

Conditions to avoid: Direct sunlight. Heat. Naked flame. Sparks.

10.5 Incompatible materials

None

10.6 Hazardous decomposition products

Hazardous decomposition products: None under normal conditions.

SECTION 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

- **Inhalation:** Inhalation of vapours may irritate the respiratory tract.
Inhalation of vapours may cause drowsiness and dizziness.
- **Cutaneous:** May induce sensitization by skin contact.
- **Ocular:** Direct contact with the eyes is likely to cause irritation.

Oral administration (rat) LD50 [mg/kg]

SECTION 12. Ecological information

12.1 Toxicity

Information on ecological effects: Avoid discharge into the environment.
Highly toxic to aquatic organisms, potentially harmful long-term effects upon the aquatic environment.

LC50-96 hours – fish [mg/l]

12.2 Persistence and degradability

/

12.3 Bio-accumulative potential

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12.4 Mobility in soil

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12.5 Results of PBT and vPvB assessment

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12.6 Other adverse effects

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SECTION 13. Disposal considerations

13.1 Waste treatment methods

Waste disposal: Avoid discharge into the environment.
To be disposed of in accordance with local/national safety regulations in force.
Spent or damaged aerosol containers should be removed to authorized disposal sites.

SECTION 14. Transport information

14.1 UN number

General information: Aerosols may be exempt from transport labelling and declaration requirements, under arrangements for limited quantities.

UN number: 1950

14.2 UN proper shipping name

Shipping name: UN1950 AEROSOLS, 2.1, 5F, (D)
UN proper shipping name: UN 1950 AEROSOLS, 2.1, 5F, (D)

14.3 Transport hazard class(es)

Hazard label(s):

2.1.: inflammable gas.
9: Miscellaneous hazardous materials and objects

Land transport

- **ADR/RID:** Group: F
Class: 2
- **I.D. n°:** -

Transport hazard class(es): 2

Sea transport

- **IMO-IMDG:** Class 2
- **IMDG-Marine pollution:** Yes
- **Safety data sheet n°:** F-D S-U

Air transport

- **ICAO/IATA:** Packaging instructions cargo: 203
Packaging instructions passenger: 203

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- **Official transport designation:** AEROSOLS
- **IATA:** 2
- **IATA packing group:** F

14.4. Packing group

Packing group: F
IMO packing group: F

14.5 Environmental hazards

/

14.6 Special precautions for user

/

14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code

Not applicable.

SECTION 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

APPLICABLE DIRECTIVES AND REGULATIONS:

(EU) Regulation n° 453/2010, amending Regulation n° 1907/2006 concerning the registration, evaluation and authorization of chemical substances, together with applicable restrictions for these substances, as amended.

Inflammability determined in accordance with the Aerosol Generator Directive 2008/47/EC of 8th April 2008.

European Directive 98/8/EC of 16/02/98 concerning the marketing of biocidal products.

France: Schedule n° 84 of occupational diseases: Conditions caused by liquid organic solvents for professional use.

Special medical supervision under the terms of the ordinance of 11th July 1977, on the grounds of the presence of fluoride derivatives.

15.2 Chemical safety assessment

/

SECTION 16. Other information

Text of R phrases for §3:

- R10: Inflammable.
- R11: Easily inflammable.
- R20/22: Harmful if inhaled or ingested.
- R36: Irritant to the eyes.
- R43: May induce sensitization by skin contact.
- R50/53: Highly toxic to aquatic organisms, potentially harmful long-term effects upon the aquatic environment.

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R52/53: Harmful to aquatic organisms, potentially harmful long-term effects upon the aquatic environment.

R65: Harmful: may cause damage to the lungs if ingested.

R66: Repeated exposure may result in dry or cracked skin.

R67: Inhalation of vapours may cause drowsiness and dizziness.

Other date:

Imp. DL4

Date of printing:

06/02/2014

The content and format of the present safety data sheet are compliant with (EU) REGULATION n° 453/2010 Annex 2, amending Regulation n° 1907/2006.

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