



## **MATERIAL SAFETY DATA SHEET**

### **(Complying with Regulation 1907/2006, 453/2010)**

<b>1.</b>	<b>Identification of the substance/ mixture and of the company/ undertaking</b>
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#### **1.1. - Product identifier**

VINFERMATON FLIES AND MOSQUITOS

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

Insecticide used against flying insects. Insecticide intended for general public use

#### **1.3. - Details of the supplier of the safety sheet**

##### **Responsible for marketing and manufacturer:**

Laboratorios Vinfer S.A.  
Polígono Industrial Campollano, C/D nº 2  
Albacete  
Phone: 967 523501  
Fax: 967 242914  
WEB: [www.vinfer.com](http://www.vinfer.com)

##### **Persona responsible for the Safety Data Sheet:**

e-mail: [laboratorio@vinfer.com](mailto:laboratorio@vinfer.com)

#### **1.4.- Emergency telephone number**

967 Toxicology Information Service.  
Telephone: +34 915620420  
Information in Spanish (24h/ 365 days). Only for urgencies.

<b>2.</b>	<b>Hazards identification</b>
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#### **2.1. - Classification of the substance or mixture**

Directive 67/548/CEE and amendments, Directive 1999/45/CE and amendments:  
Extremely flammable  
Irritant  
Dangerous for the environment



## 2.2. - Label elements

F+



EXTREMELY  
FLAMMABLE

N



DANGEROUS FOR  
THE ENVIROMENT

Xi



IRRITANT

Risk phrases (R):

R12. - Extremely flammable.

R38. - Irritating to skin

R51/53. - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67. - Vapours may cause drowsiness and dizziness.

Safety advices (S):

S2. - Keep out of the reach of children.

S13. - Keep away from food, beverage and feed

S23. - - Do not breathe spray

S24/25. - Avoid contact with skin and eyes

S35. - This material and its container must be disposed of in a safe way.

S45. - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S51. - Use only in well-ventilated areas.

## 2.3. - Other hazards

Pressurized container. Keep away from sunbeams and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray into open flames or smouldering objects. Keep away from sources of ignition. Do not smoke. The aerosol may explode because of pressure built in under temperatures exceeding 50°C. Do not spray near fire, hot surfaces or electric equipment. It may create explosive mixtures in contact



with air. Propellant is heavier than air and spreads at ground level. Content: "Citral". May cause allergic reaction

### 3. Composition/information on ingredients

**3.1. - Substances:** Not applicable. This product is regulated as a mixture

#### 3.2.- Mixtures

CHEMICAL NAME	Registration Number REACH	CAS Number	INECS Number	Number of the CEE index	Content	Classification according to Directive 67/548/CEE	Classification according to Regulation 1272/2008
Hydrocarbons, C3-4-rich, petroleum distillate; Petroleum gas (BUTANE/PROPANE/ISOBUTANE) <sup>(3)(1)</sup>	Not applicable according to section 7 of Annex V of Regulation 1907/2006	68512-91-4	270-990-9	649-083-00-0	50.00-60.00	F+, R12	Flam. Gas 1 Press. Gas H220
HYDROCARBONS, C7-C9, N-ALKANES, ISOALKANES, CYCLICS <sup>(2)(1)</sup>	01-2119473851-33-0005	No available	920-750-0	No application	30.00-40.00	F,Xn,N R11, R65, R66, R51/53,R67	Flam. Liq. 2 Asp. Tox. 1 STOT SE 3 Aquatic Chronic 2 H225 H304 H336 H411 EUH066
DECANE <sup>(1)</sup>	01-2119474199-26-0003	124-18-5	204-686-4	No application	10.00-20.00	Xn, R10,R65,R66	Flam. Liq. 3 Asp. Tox. 1 H226 H304 EUH066
CITRAL (Perfume ingredient)	Not application	605-019-00-3	226-394-6	5392-40-5	< 0.40	Xi,R38, R43	Skin Irrit. 2 Skin Sens. 1 H315 H317
D-TRANS-TETRAMETHRIN	Not application – BIOCID	1166-46-7	214-619-0	Not application	0.15	N, R50/53	Aquatic Acute 1 Aquatic Chronic 1 H400 H410
D-PHENOTHHRIN	Not application - BIOCID	188023-86-1	247-404-5	Not application	0.075	N, R50/53	Aquatic Acute 1 Aquatic Chronic 1 H400 H410
(R)-P-MENTA-1,8-DIENO <sup>(1)</sup> (Perfume ingredient)	01-2119529223-47	5989-27-5	227-813-5	601-029-00-7	< 0.05	Xi,N R10,R38,R43, R50/53	Flam. Liq. 3 Skin Irrit. 2 Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1 H226 H315 H317 H400 H410



PIN-2(10)-ENO <sup>(1)</sup> (Perfume ingredient)	Not applicable	127-91-3	204-872-5	Not applicable	<0.05	Xn,N,R10,R43, R50/53,R65	Flam. Liq. 3 Asp. Tox. 1 Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1 H226 H304 H317 H400 H410
ALPHA-PINENE <sup>(1)</sup> (Componente del perfume)	Not applicable	80-56-8	201-291-9	Not applicable	<0.009	Xn,N,R10,R38, R43,R65	Flam. Liq. 3 Asp. Tox. 1 Skin Irrit. 2 Skin Sens. 1 H226 H304 H315 H317

\* Complete text of R phrases, please check section 16.

<sup>(1)</sup> Substance for which these are Community workplace exposure limits.

<sup>(2)</sup> Benzeno Content < 0.1% w/w.

<sup>(3)</sup> 1,3-Butadieno Content < 0.1% w/w.

<sup>(4)</sup> Substances those are persistent, bio accumulative and toxic or very persistent and very bio accumulative.

<sup>(5)</sup> Classification issued by the supplier.

## 4. First aid measures

### 4.1.- Description of first aid measures

Remove the person from the contaminated area. Remove stained clothing immediately. Wash eyes with abundant water for at least 15 minutes. Do not forget to remove the contact lenses. Wash skin with abundant soap and water. Do not rub. In case of ingestion, do not provoke the vomit. Leave patient to stand. Preserve the body temperature. Control respiration. If necessary apply artificial respiration. If the person is unconscious, lay down on the side with the head lower than the rest of the body and the legs in semi bent position. Transfer the intoxicated person to a hospital taking the container label whenever possible. NEVER LEAVE AN INTOXICATED PERSON UNATTENDED. Therapeutic advices for doctors and health staff: If no more than two hours from the ingestion, realize gastric emptying, giving later a dose of activated coal (25g). Antidote: vitamin k1(Konakion®). Control the time of prothrombin or INR. Symptomatic treatment IN CASE OF POISONING CONTACT A POISON CONTROL CENTRE (NATIONAL INSTITUTE OF TOXICOLOGY – PHONE +34 91 562 04 20)

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

The irritation may cause:

Hemorrhagic diathesis, derived from anti-prothrombin effect - prothrombin long time – that can become evident in the minimum period of 24 hours and maximum of 72 hours (A normal prothrombin time in the admission does not exclude diagnosis).



### **4.3. - Indication of any immediate medical attention and special treatment needed**

Immediate medical attention: Preferably, seek medical attention.

<b>5. Firefighting measures</b>
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#### **5.1.- Extinguishing media**

Dry chemical powder and CO<sub>2</sub>

Unauthorized extinguishers: None in particular.

#### **5.2. - Special hazards arising from the substance or mixture**

A) Unusual fire and explosion hazards: Spray may explode because of pressure built in under temperatures exceeding 50°C. Containers liable to burst may be violently flung during a fire. Keep containers cool with water spray.

B) Hazardous thermal decomposition products

The thermal decomposition and the burning may release carbon monoxide, carbon dioxide and other toxic vapours. Do not pour chemically contaminated water on the soil or into water or drains.

#### **5.3. - Advice for firefighters**

Firefighters must use self-contained breathing apparatus (SCBA) and full firefighting equipment. Make sure approved equipment and breathing apparatus are used.

<b>6. Accidental release measures</b>
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#### **6.1. - Personal precautions, protective equipment and emergency procedure**

Keep ignition sources away, ensure that the area is well ventilated, protect breathing. Anti-splash glasses. Full protection garments. Boots. Gloves.

#### **6.2.- Environmental precautions**

Avoid spill to reach drains, surface water, or underground water and soil contamination by using suitable substances.

#### **6.3. - Methods and material for containment and cleaning up**

Absorb spill with the suitable absorbing substances for chemicals and dispose of according to local regulations.

#### **6.4. - Reference to other sections**

For elimination please check Section 13.



**7. Handling and storage**

**7.1.- Precautions for safe handling**

Handle complying with right use regulations on manufacture and hygiene and in well-ventilated areas. Do not eat, drink or smoke during use. Keep away from heat and sources of ignition. Empty containers may be cause of fire. Do not ingest. Do not inhale the vapours. In case of ingestion seek immediate medical attention and show the label or container.

**7.2. - Conditions for safe storage, including any incompatibilities**

Suitable places for aerosol storage according to the quantity (Complementary technical instruction MIE-APQ1, R.D. 379/2001). Keep away from sunlight. Keep away from sources of ignition. Do not expose to temperatures exceeding 50°C. Keep in cool and well-ventilated place

**7.3.- Specific end uses**

General public use. Eliminate flying insects.

**8. Exposure controls/ personal protection**

**8.1.- Control parameters**

Extreme exposure values:

Material	Origin	Type	Ppm	mg/m3	Observations
BUTANE	VLA (ES)	VLA-ED	1000 ppm		
	VLA (ES)	VLA-EC			
PROPANE	VLA (ES)	VLA-ED	1000 ppm		
	VLA (ES)	VLA-EC			IDLH (Level immediately dangerous for the life and the health): 2100 ppm
DECANE	EU OEL (Europa)	TWA(8h)		1200 mg/m3	
HYDROCARBONS, C7-C9, N-ALKANES, ISOALKANES, CYCLICS		TWA(8h)		1200 mg/m3	
(R)-P-MENTA-1,8-DIENO	VLA (ES)	VLA-ED	20 ppm	110 mg/m3	Sen
	VLA (ES)	VLA-EC	40 ppm	220 mg/m3	
CITRAL	VLA (ES)	VLA-ED	5 ppm		Dermal, Sen, FIV



	VLA (ES)	VLA-EC			
PIN-2(10)-ENO	VLA (ES)	VLA-ED	20 ppm	113 mg/m3	Dermal, Sen,FIV
	VLA (ES)	VLA-EC			
ALFA-PINENE	VLA (ES)	VLA-ED	20 ppm	113 mg/m3	Dermal, Sen,FIV
	VLA (ES)	VLA-EC			

## 8.2.- Exposure controls

According with articles 4 to 6 of Directive 98/24/CE and article 3 to 5 of Directive 2004/37/CE:

### 1.-Exposure controls:

Engineering controls: Ensure exhaustive ventilation or other engineering controls to keep vapour concentration in air under the appropriate working exposure limit.

Hygienic measures: Wash your hands after handling the products and before eating, smoking or using toilet, and at the end of the day.

### 2.-Controles de la exposición profesional:

1º Breathing protection: No specific protection equipment is required. Avoid direct inhalation of the product. Handle the product in well-ventilated areas.

2º Skin protection. Hands: None under normal use conditions.

3º Eye protection: Avoid contact with eyes.

4º Skin protection. Body: Working coat or suit. Boots.

3.- Environmental exposure controls: Keep waste products in suitable containers to be disposed of via a licensed waste contractor. Keep product from contaminating drains.

## 9. Physical and chemical properties

### 9.1.- Information on Basic physical and chemical properties

Appearance:	Aerosol
Colour:	Not applicable
Odour:	Characteristic
pH:	Not applicable, being an aerosol
Boiling point/interval:	Not applicable, being an aerosol
Ignition point/Flammability:	No information available. Extremely flammable
Combustion properties:	No combustible components
Explosive properties:	Risk explosive at temperatures over 50°C
Vapour pressure:	2.2-4 atm (25°C)
Vapour density:	No information available
Relative density:	0.59-0,63 g/ml
Solubility:	
Hydrosolubility:	No soluble
Liposolubility:	Not applicable (No information available)
N-octanol/water partition coefficient :	Not applicable (No information available)
Viscosity:	Not applicable, being an aerosol
Vapour density:	Not applicable (No information available)
Evaporation rate:	Not applicable (No information available)



## 9.2. - Other information

More details aren't available. The sections with no available information is due to the relevant analysis haven't been done.

## 10. Stability and reactivity

### 10.1.- Reactivity

No information available

### 10.2.- Chemical stability

Stable under normal use conditions

### 10.3.- Possibility of hazardous reaction

Reactions or polymerizations aren't produced with other substances or mixtures.

### 10.4. - Conditions to avoid

Stable under normal conditions. Keep away from high temperatures.

### 10.5.- Incompatible materials

Avoid contact with water; prolonged exposure can cause oxidation of the product packaging and leak in the products.

### 10.6.- Hazardous decomposition products

Carbon oxides (CO,CO<sub>2</sub>) and some metal oxides.

## 11. Toxicological information

### 11.1.- Information on toxicological effects

This preparation has not been subjected to toxicological testings as an entity but has been blended from materials with established toxicological bibliographies. In view of the difficulty of using current standard toxicological evaluation techniques to predict potential hazards to susceptible individuals or arising from unforeseeable potentiating, this preparation should be considered and handled as if it displayed health hazards and treated in consequence with all possible precautions.

## 12. Ecological information

### 12.1.- Toxicity

General: Avoid contamination of soil, underground water and surface water.





This preparation has not been subjected to ecotoxicological testings as an entity. In view of the difficulty of using standard toxicological evaluation techniques to predict potential hazards to susceptible areas or specific ecosystems, this preparation should be considered and handled with all possible precaution.

Nevertheless, taking into account its ingredients and its concentrations, and complying with the conventional procedure of R.D. 255/2003, Directive 1999/45/EC and later modifications, and Directive 2006/8/EC, this product is classified as DANGEROUS FOR THE ENVIRONMENT.

#### **12.2. - Persistence ad degradability:**

No information available. The information on substances in the mixture are detailed in paragraph 12.1.

#### **12.3.- Bioaccumulative potential**

No information available. The information on substances in the mixture are detailed in paragraph 12.1

#### **12.4. - Mobility in soil**

No information available.

#### **12.5. - Results of PBT and mPmB assessment**

No information available.

#### **12.6. - Other adverse effects**

No information available.

### **13. Disposal considerations**

#### **13.1.- Waste treatment methods**

This product must be disposed of according to local regulations. Avoid contamination of drains and environment. Contaminated containers must be disposed of according to local regulations on waste. Comply with the national, regional and local regulations on waste and containers disposal.

### **14. Transport information**

**14.1.- ONU Number:** 1950

**14.2.- UN Proper name.**

Aerosols

**14.3.- Transport Hazard class(es)** 2.1



**14.4.- Packing group:** not applicable

**14.5.- Environmental hazards**

Dangerous for the environment (aquatic environment)

**14.6.- Special precautions for users**

Exemption for the transport of dangerous goods packed in limited quantities.

**14.7.- Transport bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

<b>15. Regulatory information</b>
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**15.1.- Safety, health and environmental regulations/ legislation specific for the substance or mixture**

HAZARDOUS WASTE

Not applicable

WATER LAW AND REGULATIONS ON HAZARDOUS SUBSTANCES RELEASES FROM LAND TO SEA

According to relevant local and national Laws and Regulations.

MAJOR ACCIDENTS (R.D. 1254/99 and Directive 96/82/EEC)

According to the quantity to be stored.

Restrictions on the marketing and use of certain dangerous substances and preparations (Directive 76/769/EEC)

Not applicable.

Drug precursors (Regulation (EC) n° 273/2004)

Not applicable.

CHEMICAL WEAPONS CONVENTION

Not applicable.

Export and import of dangerous chemicals (Regulation (EC) n° 304/2003)

Not applicable.

Control of exports of dual-use items and technology (Regulation 1334/2000 and amendments)

Not applicable.

**15.2. - Chemical safety assessment**

Not available



## 16. Other information

Text of the phrases R, H and EUH used in section 3:

R10: Flammable.

R11: Highly flammable.

R12: Extremely flammable

R38: Irritating to skin

R43.- May cause sensitisation by skin contact.

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

R65.- Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R67.- Vapours may cause drowsiness and dizziness.

H220: Extremely flammable gas

H225. - Highly flammable liquid and vapour

H226. - Flammable liquid and vapour

H280.- Contains gas under pressure; may explode if heated

H304. - May be fatal if swallowed and enters airways

H315: Causes skin irritation.

H317: May cause an allergic skin reaction

H336. - May cause drowsiness or dizziness

H400. - Very toxic to aquatic life

H410. - Very toxic to aquatic life with long lasting effects

H411: Toxic to aquatic life with long lasting effects

EUH066. - Repeated exposure may cause skin dryness or cracking

This product is registered in Health, Social Policy and Equality Ministry with Registration number 09-30-01464.

More information on correct use of the product in the data sheet.

Key literature references and data sources:

1. Royal Decree 363/1995, of March 10, 1995 for regulating the New Substances Notification and Classification, Packaging and Labelling of Dangerous Substances. And subsequent amendments.

2. Royal Decree 255/2003, of 28 February, which approves the Regulation on classification, packaging and labeling of dangerous preparations. And subsequent amendments.

3. REGULATION (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH). And subsequent amendments.

4. REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, and amending and repealing Directives 67/548/EEC and 1999/45 / EC and amending Regulation (EC) No 1907/2006. And subsequent amendments.

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REVISION: 2  
VERSION: 3  
VERSION REPLACED: 2



5. Occupational Exposure Limits to Chemical Agents adopted by the National Institute of Safety and Health at Work (EU OEL).
6. ECHA WEB: <http://echa.europa.eu>
7. Registration issued by the Health Ministry.
8. Material safety data sheet issued by raw material suppliers.

## **RECORD**

Issue Date	2011/21/12
Revision Date	2012/30/05 General Review. Updated paragraph nº 3 and 8  2013/01/12 General Review. Updated paragraph nº 1,3,4 and 16
Printing Date	

The above information is based on current data and current E. U. and national regulations, as users' working conditions are beyond our control and knowledge. This product is not to be used for any purpose other than those specified without obtaining before written handling instructions. It is always responsibility of the user to take all necessary measures to comply with legal requirements and regulations. The information contained in this safety data sheet is meant as a description of the safety requirements of the product and it is not to be considered as a guarantee of the product's properties.