

# SAFETY DATA SHEET

## MOUSTIQUAIRE PHARMAVOYAGE

Version:2


Review date:11/04/2016

RE EC/830/2015 - ISO 11014-1

### 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1. 1. Product identifier: MOUSTIQUAIRE PHARMAVOYAGE
1. 1. 1. EC number: Not applicable.
1. 2. Relevant identified uses of the substance or mixture and uses advised against: Impregnated mosquito nets  
Domestic animals such the cat should not have to sleep in the presence of the impregnated mosquito net  
It is not recommended to wash an impregnated Mosquito bed net
1. 3. Details of the supplier of the safety data sheet: KATADYN FRANCE  
5 rue Gallice  
38100, Grenoble  
France  
Phone: +33 4 76 96 42 46  
E-mail: info@katadyn.fr
1. 4. Emergency telephone number: UK - National Poisons Information Service Phone: 44 (0) 844 892 0111  
B - Centre Antipoisons Tél: +32(0) 70.245.245
- Modèles : Triangular Circular Rectangular Military Sheets
- N°code formula EU 0101-0102 EU 0201-0202- EU 0301-0302-0303-0304 EU 0401-0402-0403-0404 EU0501-0502

### 2. HAZARDS IDENTIFICATION

2. 1. Classification of the substance or mixture: \* Aquatic. Chronic 1 / SGH09 - H410 \*
2. 2. Label elements:
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Warning
2. 2. 1. Symbol(s) and signal word: .
2. 2. 2. Hazard statement: H410 Very toxic to aquatic life with long lasting effects.
2. 2. 3. Prevention: P273 Avoid release to the environment.
2. 2. 4. Response:
2. 2. 5. Disposal: P501a Dispose of contents / container in accordance with national regulation
2. 3. Further information(s): Use only as indicate usage and as the instructions for use  
It is not recommended to wash an impregnated Mosquito bed net  
P102 Keep out of reach of children.  
P280 Wear protective gloves in case of sensitive skin  
'Read attached instructions before use'  
P264 Wash hands thoroughly after handling.  
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.  
P101 If medical advice is needed, have product container or label at hand.  
Keep away from food, drink and animal feedingstuffs.  
Domestic animals such the cat should not sleep in the presence of the impregnated mosquito net  
Among other ingredients contains:  
- insecticide TP18 PERMETHRINE CAS 52645-53-1 : 0.9%/m - 9g/kg et 270mg/m²
- EUH208 Contains • permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate. May produce an allergic reaction.
2. 4. Other hazards: Synthetic pyrethroids can produce parasthesias ((change of the sensations often described as a burn, itches or pinpricks)

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

3. 1. Description of the mixture: permethrine pure adsorbed on an inert support
3. 2. Component(s) contributing to the hazard:
- permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate
  - Id nr: 613-058-00-2 - CE nr: 258-067-9 - CAS nr: 52645-53-1
  - Conc. (weight %): 0 < C ≤ 1
  - SGH :
  - \* SGH07 - Exclamation mark - Warning - Acute Tox. 4 - H302 - H332 - Skin Sens. 1 - H317
  - \* SGH09 - Environment - Warning - Aquatic. Chronic 1 - H410
- The wording of the sentences are mentioned at heading 16.

### 4. FIRST AID MEASURES

4. 1. Description of first aid measures:
4. 1. 1. General advice: Never give anything by mouth to an unconscious person.
4. 1. 2. Inhalation: - Take victim to fresh air, in a quiet place, in an half laying position and if necessary take medical advice.
4. 1. 3. Skin contact: Wash off with soap and plenty of water.  
- If skin irritation persists, take medical advice.
4. 1. 4. Eye contact: Wash with plenty of water (during 20 minutes minimum) with eyes wide open after taking off soft contact lenses and immediately take medical advice.
4. 1. 5. Ingestion: - Do NOT induce vomiting.  
- Rinse mouth, do not drink anything, keep quiet, and go immediately to hospital or to a doctor.
4. 2. Most important symptoms and effects, both acute and delayed:
4. 2. 1. Inhalation: Irritating to the respiratory system, may cause throat pain and cough.
4. 2. 2. Skin contact: Components of the product may be absorbed into the body through the skin. Including if it is about a cat  
Synthetic pyrethroids can produce paresthesias ((change of the sensations often described as a burn, itches or pinpricks)
4. 2. 3. Eyes contact: mild eye irritation (pain, redness)
4. 2. 4. Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
4. 3. Indication of any immediate medical attention and special treatment needed : Call a POISON CENTER or doctor / physician if you feel unwell.

### 5. FIREFIGHTING MEASURES

5. 1. Extinguishing media: dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>), water spray, sand, earth.
5. 2. Special hazards arising from the substance or mixture: Fire will produce dense black smoke.  
In case of fire, corrosive and harmful gases come free.  
Concerning product toxicity, see item 11 and about product stability and reactivity see item 10.
5. 3. Advice for firefighters: Use a self-contained breathing apparatus and also a protective suit.
5. 4. Specific method(s): If area is heavily exposed to fire and if conditions permit, let fire burn itself out because water may increase the area contaminated.  
  
Do not allow run-off from fire fighting to enter drains or water courses.

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5. 5. Extinguishing media w hich must NOT be used for safety reasons: Do not use a solid water stream as it may scatter and spread fire.

### 6. ACCIDENTAL RELEASE MEASURES

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|--|---|
| 6. 1. Personal precautions, protective equipment and emergency procedures: | Evacuate personnel to a safe area.<br>Remove all sources of ignition.<br>Avoid contact w ith skin, eyes, or clothing.<br>Concerning personal protective equipment to use, see item 8.   |
| 6. 2. Environmental precautions:   | Dike and contain spill.<br>Do not allow material to contaminate ground w ater system.<br>Concerning disposal elimination after cleaning, see item 13.<br>If the product enters drains or sew ers the local w ater company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the National Rivers Authority. |
| 6. 3. Methods and material for containment and cleaning up:                | Shovel into suitable and closed container for disposal.<br>Dispose as hazardous w aste.   |
| 6. 4. Reference to other sections:   | Concerning personal protective equipment to use, see item 8.<br>Concerning product toxicity, see item 11 and about product stability and reactivity see item 10.<br>Concerning disposal elimination after cleaning, see item 13.  |

### 7. HANDLING AND STORAGE

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| 7. 1. Handling:  |  |
| 7. 1. 1. Precautions for safe handling:                                | Avoid contact with skin and eyes.  |
| 7. 1. 2. Technical condition(s):                                       | No special technical protective measures required.   |
| 7. 1. 3. Safe handling advice(s):                                      | Keep container closed w hen not in use.<br>do not pollute w ater w ith product or packaging<br>Children should not play with the plastic packaging of the product. |
| 7. 2. Storage:   |  |
| 7. 2. 1. Conditions for safe storage, including any incompatibilities: | Keep out of the reach of children.<br>Keep container tightly closed.<br>Observe the label precautions.   |
| 7. 2. 2. Technical condition(s):                                       |  |
| 7. 2. 3. Storage condition(s):   | Store in original container.<br>Keep in the dark.<br>Store aw ay from direct sunlight or other heat sources.<br>Store in a w ell-ventilated place.                 |
| 7. 2. 4. Separation of incompatible product(s):                        | Store separately from oxidising agents and strongly alkaline and strongly acidic materials.  |
| 7. 2. 5. Packaging / tank material:                                    | Plastic packaging are recommended.   |
| 7. 2. 6. Unsuitable packaging materials:                               | see section 10   |
| 7. 3. Specific end use(s):   | Shelf life : 3 years after opening<br>Validity date : printed on label (3 ans)   |

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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8. 1. Control parameters:

8. 1. 1. Exposure limit(s):

8. 1. 2. Engineering measure(s): Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

8. 2. Exposure controls:

8. 2. 1. Respiratory protection: No personal breathing protective equipment is normally required.

8. 2. 2. Hand protection: PVC or other plastic material or natural rubber gloves

8. 2. 3. Skin and body protection: Wear suitable protective clothing

8. 2. 4. Eye protection: Eye protection designed to protect against exposure to dusts should be worn when there is a likelihood of exposure.

8. 2. 5. Recommended monitoring procedures: Ensure adequate ventilation.

8. 3. Hygiene measure(s): Handle in accordance with good industrial hygiene and safety practice.  
Do not eat, drink, or smoke during work.  
Wash hands immediately after handling the product.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

9. 1. Information on basic physical and chemical properties:

9. 1. 1. Appearance: polyester fibre

9. 1. 2. Colour: natural colour

9. 1. 3. Odour: characteristic

9. 1. 4. PH: Not determined.

9. 1. 5. Boiling point/range: Not determined.

9. 1. 6. Flash point: pas de point d'éclair°C

9. 1. 7. Explosion limits: Not applicable.

9. 1. 8. Relative density (water = 1): Not applicable.

9. 1. 9. Viscosity: Not applicable.

9. 2. Other information:

9. 2. 1. Water solubility: practically not soluble

9. 2. 2. Fat solubility: practically not soluble

9. 2. 3. Solvent solubility: soluble in some specific organic solvents

9. 3. Other information: grammage du textile : 75 deniers - 30g/sqm

### 10. STABILITY AND REACTIVITY

10. 1. Reactivity: No decomposition if stored normally.

10. 2. Chemical stability: Stable in use and storage conditions as recommended in item 7.

10. 3. Possibility of hazardous reactions: none

10. 4. Conditions to avoid: Do not expose at temperatures above 40°C

10. 5. Incompatible materials: Keep away from oxidising agents and strongly alkaline and strongly acidic materials to prevent the possibility of exothermic reaction.

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10. 6. Hazardous decomposition products:	Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide.
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### 11. TOXICOLOGICAL INFORMATION

11. 1. Information on toxicological effects:	There is no data available on the product itself.
11. 2. Acute toxicity:	
11. 2. 1. Inhalation:	Permethrine LC50/inhalation/4h/rat = >0.45mg/l
11. 2. 2. Skin contact:	LD50/dermal/rat = >2000 mg/kg for permethrine
11. 2. 3. Eyes contact:	No eye irritation.
11. 2. 4. Ingestion:	LD50/oral/rat = >2000mg/kg for permethrine
11. 3. Sensitisation:	May cause sensitisation of susceptible persons by skin contact.
11. 4. Toxicity of repeated or prolonged exposure:	Repeated and prolonged exposure may cause skin irritation and dermatitis due to degreasing properties of the product.

### 12. ECOLOGICAL INFORMATION

12. 1. Toxicity:	may cause long-term adverse effects in aquatic environment in cas of continuous exposition. Dangerous for bees.
12. 2. Persistence and degradability:	Product has only a limited biodegradability in soil and water.
12. 3. Bioaccumulative potential:	No bioaccumulation.
12. 4. Mobility in soil:	This product contains several dangerous substances for environment
12. 5. Results of PBT and vPvB assessment:	Not applicable.
12. 6. Other adverse effects:	.
12. 6. 1. Toxicity to fish:	Permethrine : CL50 (96h) fish 0.0089mg/l CE50 (24h) DAPHNIES 0.020mg/l CL50 algues 72h : 0.022mg/L
12. 7. General information(s):	There is no data available on the product itself. do not pollute water with product or packaging To pay attention to the instructions to avoid risks for human and The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.
12. 8. Further information(s):	Do not use in room with aquarium - To cover the aquarium

### 13. DISPOSAL CONSIDERATIONS

13. 1. Waste treatment methods:	Collect all waste in suitable and labelled containers and dispose according to local legislation.  Do not dispose of waste into sewer.
13. 2. Contaminated packaging:	Do not re-use empty containers.  Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

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13. 3. Local / national disposal regulation(s):	European waste materials catalogue 20 01 19 insecticides
13. 4. Further Information(s):	This product do not discharge in sewer, the rivers. This product do not produce ash.
<b>14. TRANSPORT INFORMATION</b>	
14. 1. General information(s):	Transport followed ADR, IMDG, IATA Comply with special provision 335 of ADR and the IMDG:contains: < 10g of an environmentally hazardous liquid
14. 2. UN number:	Not applicable.
14. 6. Environmental hazards:	see item nr 12
14. 7. Special precautions for user:	none
14. 8. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable.
<b>15. REGULATORY INFORMATION</b>	
15. 1. Safety, health and environmental regulations/legislation specific for the substance or mixture:	SEVESO regulation code 4510 RPB, Règlement (UE) No 528/2012"
15. 2. Chemical safety assessment:	Not applicable.
<b>16. OTHER INFORMATION</b>	
16. 1. According legislation(s):	This safety data sheet is in compliance with regulation (CE) 1907/2006 - 1272/2008 and adaptings.
16. 2. Text of the phrases listed in section 3:	H302 Harmful if swallowed. H332 Harmful if inhaled. H317 May cause an allergic skin reaction. H410 Very toxic to aquatic life with long lasting effects.
16. 3. Important remarks:	Information in this safety data sheet is based on actual knowledge in our possession and our experience. It is recommended to pass the information of this safety data sheet, eventually in an appropriated form, to the users. No liability will be accepted (except as otherwise provided by law) arising out of the use of information supplied in this data sheet.
16. 4. Restrictions:	This information relates to the specific material designated and may not be valid in combination with other product(s).
16. 5. Training advice:	Inform the operators on risks with the product, and cautions to use it
16. 6. 1. First edition date:	18/03/2015
16. 6. 2. Previous revision date:	18/3/2015
16. 6. 3. Review date:	11/04/2016
16. 6. 4. Version:	2
16. 6. 5. Review chapter(s) n°:	1-2-7-9-14-16
16. 7. Written by:	Danièle SAVILLE (daniele.saville@wanadoo.fr)