

## Safety Data Sheet according to COMMISSION REGULATION (EU) 2015/830 (REACH)

**SWISSINNO Mosquito Stop Lantern, Refill mats  
Mosquito Stop Mats**

Validity	EU, CH, NO
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Version	V23 EN

### 01 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**1.1 Product identifier** SWISSINNO Mosquito Stop Lantern, Refill mats  
Mosquito Stop Mats

Item number: 1 230 000, 1 232 000, 1 251 000, 3 032 001 (RAC813) , 3 034 001, 3 041 001

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

Relevant identified uses Biocide

**1.3 Details of the supplier of the  
safety data sheet** SWISSINNO SOLUTIONS AG

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**1.4 Emergency telephone number** +44 (0)20 8762 8322 (UK)

### 02 HAZARDS IDENTIFICATION

**2.1 Classification of the substance  
or mixture** Classification corresponding to regulation (EC 1272/2008) (CPL):  
- Physical and Chemical Hazards: Not classified.  
- Human health: Acute Tox. 4 - H302; Acute Tox. 4 - H332;  
- Environment: Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410

**2.2 Label elements** Dangerous for the environment  
**corresponding to regulation (EC 1272/2008) (CPL):**

Signal Word

Warning GHS07 + GHS09





Safety Data Sheet according to COMMISSION REGULATION (EU) 2015/830 (REACH),  
SWISSINNO Mosquito Stop Lantern, Refill mats  
Mosquito Stop Mats

<b>Hazard statements</b>	H302 Harmful if swallowed. H332 Harmful if inhaled. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.
<b>Precautionary statements</b>	P261 Avoid breathing vapours. P264 Wash hands thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  Supplementary precautionary statements: P102 Keep out of reach of children. P270 Do not eat, drink or smoke when using this product. P301+312 IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell. P330 Rinse mouth. P391 Collect spillage. P501 Dispose of contents in accordance with local regulations.

**2.3 Other hazards** This product does not contain any PBT or vPvB substances.

**03 COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2 Mixtures**

**Dangerous Ingredients**

Description	CAS-No.	EG-No.	Classification	Concentration
d-Allethrin (	231937-89-6	687-634-7	Classification (EC 1272/2008): Acute Tox. 4 - H302; Acute Tox. 4 - H332; Aquatic Acute 1 - H400; Aquatic Acute 1 - M-factor=100; Aquatic Chronic 1 - H410; Aquatic Chronic 1 - M-factor=100	60.5%
ANTIOXIDANT 425 (2,2'-methylenebis(6-tert-butyl-4-ethylphenol))	88-24-4	201-814-0	Classification (EC 1272/2008): Skin Irrit. 2 - H315; Eye irrit. 2 - H319; STOT SE 3 - H335	3.03%

**04 FIRST AID MEASURES**

**4.1 Description of first aid measures**

<b>Inhalation</b>	Remove victim immediately from source of exposure to fresh air. Seek medical help if any discomfort continues.
<b>Skin contact</b>	Wash the skin immediately with soap and water. Remove contaminated clothing. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Rinse mouth thoroughly. Consult a physician for specific advice.



Safety Data Sheet according to COMMISSION REGULATION (EU) 2015/830 (REACH),  
SWISSINNO Mosquito Stop Lantern, Refill mats  
Mosquito Stop Mats

**4.2 Most important symptoms and effects, both acute and delayed** The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

**4.3 Indication of any immediate medical attention and special treatment needed** No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

## 05 FIRE-FIGHTING MEASURES

### **5.1 Extinguishing media**

**Suitable extinguishing media** Carbon Dioxide (CO<sub>2</sub>), Dry powder.

**Unsuitable extinguishing media** Water

**5.2 Special exposure hazards arising from the substance or mixture** Toxic gases/vapours/fumes of: Carbon monoxide (CO).

**5.3 Advice for firefighters** Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## 06 ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions, protective equipment and emergency procedures** Wear protective clothing as described in Section 8.

**6.2 Environmental precautions** Do not allow to enter drains, sewers or watercourses. In case of pollution of such areas, inform the responsible authorities.

**6.3 Methods and material for containment and cleaning up** Absorb in vermiculite, dry sand or earth and place into containers.

**6.4 Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet.

## 07 HANDLING AND STORAGE

**7.1 Precautions for safe handling** Provide good ventilation. Protect against direct sunlight.

**7.2 Conditions for safe storage, including any incompatibilities** Store in tightly closed original container in a dry, cool and well-ventilated place.

**7.3 Specific end use(s)** Outdoor mosquito control



## 08 EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters** No exposure limits noted for ingredient d-allethrin (Pynamin Forte TG CAS: 231937-89-6).

### 8.2 Exposure controls

<b>Appropriate engineering controls</b>	Provide adequate ventilation.
<b>General protection and hygiene measures</b>	None
<b>Respiratory protection</b>	Self-contained breathing apparatus.
<b>Hand protection</b>	Protective gloves
<b>Eye / face protection</b>	Approved safety goggles
<b>Skin protection</b>	Protective work clothing
<b>Environmental exposure controls</b>	Do not let reach canalisation, drains, groundwater.

## 09 PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	Blue paper mat
<b>Odour</b>	Faint, characteristic.
<b>Odour threshold</b>	not applicable
<b>pH</b>	Not relevant. Product is an impregnated mat.
<b>Melting point/freezing point</b>	not applicable
<b>Initial boiling point and boiling range</b>	not applicable
<b>Flash point</b>	No information required: Product is paper-based and not flammable. None of the components are flammable.
<b>Evaporation rate</b>	not applicable
<b>Flammability (solid, gas)</b>	not applicable
<b>Vapour pressure</b>	not applicable
<b>Vapour density</b>	not applicable
<b>Relative density</b>	Not relevant. Product is an impregnated mat.
<b>Solubility</b>	not applicable



Safety Data Sheet according to COMMISSION REGULATION (EU) 2015/830 (REACH),  
SWISSINNO Mosquito Stop Lantern, Refill mats  
Mosquito Stop Mats

Partition coefficient: n-octanol/water	not applicable
Auto-ignition temperature	not applicable
Decomposition temperature	not applicable
Viscosity	not applicable
Explosive properties	Not considered to be explosive: Based on the composition of the product, it is not considered to have this property.
Oxidising properties	Does not meet the criteria for oxidising: Based on the composition of the product, it is not considered to have this property.
<b>9.2 Other information</b>	No information required.

## 10 STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	No specific reactivity hazards associated with this product.
<b>10.2 Chemical stability</b>	Stable under normal temperature conditions.
<b>10.3 Possibility of hazardous reactions</b>	Will not polymerise.
<b>10.4 Conditions to avoid</b>	Avoid exposure to high temperatures or direct sunlight
<b>10.5 Incompatible materials</b>	Strong oxidising substances. Bases, alkalis (inorganic). Bases, alkalis (organic).
<b>10.6 Hazardous decomposition products</b>	During fire, toxic gases (CO, CO <sub>2</sub> , NO <sub>x</sub> ) are formed.

## 11 TOXICOLOGICAL INFORMATION

### 11.1 Information on hazard classes as defined in Regulation (EC) Nr. 1272/2008

<b>11.1.0 Acute toxicity</b>	Ingredient: d-allethrin (Pynamin Forte TG (CAS: 231937-89-6)): - Acute Toxicity (Oral LD50) 900 mg/kg Rat - Acute Toxicity (Dermal LD50) > 2000 mg/kg Rat - Acute Toxicity (Inhalation LC50) 3.875 mg/l (vapours) Rat 4 hours
<b>11.1.1 skin corrosion/irritation</b>	Not irritating
<b>11.1.2 serious eye damage/irritation</b>	Not irritating
<b>11.1.3 respiratory or skin sensitization</b>	Not Sensitising



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SWISSINNO Mosquito Stop Lantern, Refill mats  
Mosquito Stop Mats

<b>11.1.4 germ cell mutagenicity</b>	This substance has no evidence of mutagenic properties
<b>11.1.5 carcinogenicity</b>	This substance has no evidence of carcinogenic properties
<b>11.1.6 reproductive toxicity</b>	This substance has no evidence of toxicity to reproduction.
<b>11.1.9 aspiration hazard</b>	Ingredient: d-allethrin (Pynamin Forte TG (CAS: 231937-89-6)): - Aspiration hazard Not relevant, due to the form of the product. - Inhalation Vapour may affect central nervous system and cause headache, discomfort, vomiting or intoxication. Vapours may cause drowsiness and dizziness. - Ingestion Harmful if swallowed. - Skin contact Not a skin sensitiser. Skin irritation is not anticipated when used normally. - Eye contact Vapour in the eyes may cause irritation and smarting. - Health Warnings Synthetic pyrethroids can produce parasthesias. Typically, symptoms begin several hours after cutaneous exposure, peaks within 12 hours and resolves within about 24 hours. Prolonged or repeated exposure may cause: Nausea, vomiting, diarrhoea, headache, tremors, convulsions.
<b>11.2 Indication of other hazards</b>	Endocrine disrupting properties: none

## 12 ECOLOGICAL INFORMATION

### Ecological information on ingredients

<b>Ecotoxicity</b>	Ingredient: d-allethrin (Pynamin Forte TG (CAS: 231937-89-6)) Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.
<b><u>12.1 Toxicity</u></b>	Acute Fish Toxicity: Very toxic to aquatic organisms. LC 50, 96 Hrs, Fish mg/l: 0.134 EC 50, 48 Hrs, Daphnia, mg/l: 0.047 IC 50, 72 Hrs, Algae, mg/l: 2.9
<b><u>12.2 Persistence and degradability</u></b>	Photodegradable.
<b><u>12.3 Bioaccumulative potential</u></b>	Will not bio-accumulate. Partition coefficient: 4.95
<b><u>12.4 Mobility in soil</u></b>	Readily absorbed into the soil.
<b><u>12.5 Results of PBT and vPvB assessment</u></b>	Not Classified as PBT/vPvB by current EU criteria.
<b><u>12.6 Endocrine disrupting properties</u></b>	None
<b><u>12.7 Other adverse effects</u></b>	None known.

**13 DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods** Dispose of waste and residues in accordance with local authority requirements.

**14 TRANSPORT INFORMATION**

**Maritime transport in bulk according to IMO instruments** Avoid releasing to the environment.

**Transport by road. ADR/RID (2008/68/EC)** Avoid releasing to the environment.

**Transport by rail. RID (2008/68/EC)** Avoid releasing to the environment.

**Transport by sea. IMDG** Avoid releasing to the environment.

**14.1 UN-number** (ADR/RID/ADN): 3077

**14.2 UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (d-allethrin)

**14.3 Transport hazard class** (ADR/RID/ADN): 9

**14.4 Packing group** III

**14.5 Environmental hazards** Environmentally Hazardous Substance / Marine Pollutant

**14.6 Special precautions for user** Hazard No. (ADR): 90



**14.7 Maritime transport in bulk according to IMO instruments** not applicable



## 15 REGULATORY INFORMATION

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

EU Legislation:  
REACH-Regulation (EG) No. 1907/2006, changed by Regulation (EU) 2015/815  
CLP-Regulation (EG) No. 1272/2008, changed by Regulation (EU) 2015/491.  
EU Biocide:  
This product falls under the biocide Regulation (EC) No 528/2012 including amendments from 5.4.2014.

15.2 Chemical safety assessment No chemical safety assessment has been carried out.

## 16 OTHER INFORMATION

<b>R phrases in full</b>	R20/22 Harmful by inhalation and if swallowed.
<b>Hazard statements in full</b>	S2 Keep out of the reach of children.
<b>S phrases</b>	P261 Avoid breathing vapours. P264 Wash hands thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  Supplementary precautionary statements: P102 Keep out of reach of children. P270 Do not eat, drink or smoke when using this product. P301+312 IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell. P330 Rinse mouth. P391 Collect spillage. P501 Dispose of contents in accordance with local regulations.
<b>Training advice</b>	not necessary
<b>Recommended restrictions on use</b>	Outdoor use ONLY.
<b>Further information</b>	The information provided by this Safety Data Sheet should enable the user to take the necessary measures relating to protection of human health, safety and protection of the environment. Information provided by this Safety Data Sheet are considered to be accurate at the time of its compilation. Information provided should enable the user to handle, store and dispose properly the preparation in the form in which it is placed on the market. Supplier is not responsible for any damage or injury resulting from failure to follow appropriate use or practices.

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