

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Trade name: Mosquito Stop**

**UFI: XY00-X0KT-N00Q-3QWR**

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

#### Application of the substance / the mixture

Fuel for lamps

Repellent against insects

### 1.3 Details of the supplier of the safety data sheet

#### Manufacturer/Supplier:

**Candol Produktions- und HandelsgesmbH**

Kalterer Gasse 8

2340 Mödling

Austria

T: +43 2236 22625

Email: sales@candol.com

#### Further information obtainable from:

Johanna THOMAS

Email: johanna.thomas@candol.com

### 1.4 Emergency telephone number:

+43 2236 22625

Available during office hours:

Mo - Th 08:00 - 16:00 h

Fr 08:00 - 13:00 h

**Call the national emergency number!**

## \* SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

**Additional information:** For the wording of the hazard categories, see section 16.

### 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008

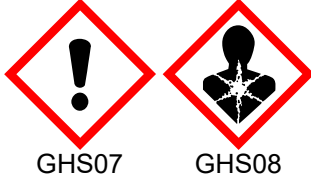
The product is classified and labelled according to the CLP regulation.

(Contd. on page 2)

Trade name: Mosquito Stop

(Contd. of page 1)

Hazard pictograms



Signal word Danger

Hazard-determining components of labelling:

Hydrocarbons, C11 – C13, isoalkanes, <2% aromatics  
geraniol

Hazard statements

H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H304 May be fatal if swallowed and enters airways.

Precautionary statements

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
P331 Do NOT induce vomiting.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501 Dispose of contents/container to hazardous waste collection point.

Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.  
Contains biocidal products: geraniol

2.3 Other hazards

Fumes can combine with air to form an explosive mixture.  
Even a small sip of lamp oil - or even just sucking on a lamp wick - can cause life-threatening damage to the lungs. Lamps filled with this liquid must not get into the hands of children.

Results of PBT and vPvB assessment

PBT: The mixture does not contain PBT substances  $\geq 0,1$  %.  
vPvB: The mixture does not contain vPvB substances  $\geq 0,1$  %.

Determination of endocrine-disrupting properties

The product does not contain substances with endocrine-disrupting properties  $\geq 0.1$  %(w/w).


SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture: consisting of the following components.

Dangerous components:



[% (w/w)]

EC number: 920-901-0 Reg.nr.: 01-2119456810-40-XXXX	Hydrocarbons, C11 – C13, isoalkanes, <2% aromatics Alternative CAS number: 246538-78-3  Asp. Tox. 1, H304 EUH066	80 - < 100%
--	--	-------------

(Contd. on page 3)

**Trade name: Mosquito Stop**

(Contd. of page 2)

CAS: 106-24-1 EINECS: 203-377-1 Index number: 603-241-00-5 RTECS: RG 5830000 Reg.nr.: 01-2119552430-49-XXXX	geraniol  Eye Dam. 1, H318  Skin Irrit. 2, H315; Skin Sens. 1, H317	1 - < 3%
---	---	----------

**Additional information:** For the wording of the listed hazard phrases refer to section 16.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**General information:**

In case of discomfort or doubt, seek medical advice.

If unconscious, use a stable lateral position and do not administer anything through mouth.

**After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

Take off contaminated clothing and wash it before reuse.

Seek medical treatment in case of complaints.

**After eye contact:**

Rinse opened eye for several minutes under running water.

Remove contact lenses, if present and easy to do. Continue rinsing.

Seek medical treatment.

**After swallowing:**

Rinse mouth.

Do NOT induce vomiting.

Call a doctor immediately.

May be fatal if swallowed and enters airways.

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

No further relevant information available.

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

Depending on the condition of the patients, the doctor must assess the symptoms and the overall general condition.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**For safety reasons unsuitable extinguishing agents:** Water with full jet

**5.2 Special hazards arising from the substance or mixture**

Combustible.

In case of fire, the following can be released:

Products of incomplete combustion

(Contd. on page 4)

**Trade name: Mosquito Stop**

(Contd. of page 3)

COx

Smoke, soot, harmful vapours

**5.3 Advice for firefighters**

**Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

**Additional information**

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Restricted access to the affected area until cleaning work is completed.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Avoid contact with skin and eyes.

Do not breathe vapour/spray.

Keep away from ignition sources.

Particular danger of slipping on leaked/spilled product.

**6.2 Environmental precautions:**

Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

**6.3 Methods and material for containment and cleaning up:**

Dike larger quantities, pump into suitable containers.

Smaller quantities:

Absorb with liquid-binding, inert material (sand, diatomite, acid binders, universal binders).

Clean again.

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

**6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Keep receptacles tightly sealed.

Prevent formation of aerosols.

Avoid contact with skin and eyes.

Avoid breathing mist/vapours/spray.

Use personal protective equipment as required.

Observe protective measures and safety instructions.

(Contd. on page 5)

**Trade name: Mosquito Stop**

(Contd. of page 4)

**Information about fire - and explosion protection:**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Protect against electrostatic charges.

Fumes can combine with air to form an explosive mixture.

Residual vapours can form explosive vapour-air mixtures.

Do not use heat near the container, do not cut, drill, grind or weld.

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

**Storage:**

**Requirements to be met by storerooms and receptacles:**

Store in a dry, cool, well-ventilated area.

Prevent any seepage into the ground.

Store in accordance with local/regional/national/international regulations.

**Information about storage in one common storage facility:** Store away from oxidising agents.

**Further information about storage conditions:**

Keep container tightly sealed.

Store only in the original receptacle.

Protect from heat and direct sunlight.

**Recommended storage temperature:** room temperature

**Storage class:** 10

**7.3 Specific end use(s)** No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**Ingredients with limit values that require monitoring at the workplace:**

**CAS: 106-24-1 geraniol**

MAK (Germany) Dampf und Aerosol; vgl. Abschn. IV

**Regulatory information** MAK (Germany): MAK- und BAT-Liste

**DNELs** No data available.

**PNECs** No data available.

**Additional information:** The lists valid during the making were used as basis.

**8.2 Exposure controls**

**Appropriate engineering controls**

No further data; see section 7.

Technical measures and the use of suitable working methods take priority over the use of personal protective equipment.

**Individual protection measures, such as personal protective equipment**

**General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Do not eat or drink while working.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Immediately remove all soiled and contaminated clothing.

Do not inhale gases / fumes / aerosols.

(Contd. on page 6)

**Trade name: Mosquito Stop**

(Contd. of page 5)

Ensure good ventilation/exhaustion at the workplace.

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

**Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation.

Filter type A

**Hand protection**



Protective gloves

EN 374

The glove material has to be impermeable and resistant to the product/ the substance/ the mixture.

**Material of gloves**

Nitrile rubber gloves; recommended material thickness:  $\geq 0.38$  mm, penetration time:  $\geq 480$  min

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye/face protection**



Tightly sealed goggles

EN 166

**Body protection:** Protective work clothing

**Environmental exposure controls**

Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**General Information**

<b>Physical state</b>	Fluid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	No information available.

(Contd. on page 7)

Trade name: Mosquito Stop

(Contd. of page 6)

<b>Melting point/freezing point:</b>	No information available.
<b>Boiling point or initial boiling point and boiling range</b>	$\geq 188 - \leq 210$ °C (Hydrocarbons, C11 – C13, isoalkanes, <2% aromatics)
<b>Flammability</b>	combustible
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	0.6 Vol % (Hydrocarbons, C11 – C13, isoalkanes, <2% aromatics)
<b>Upper:</b>	6 Vol % (Hydrocarbons, C11 – C13, isoalkanes, <2% aromatics)
<b>Flash point:</b>	68 °C
<b>Auto-ignition temperature:</b>	222 °C (Hydrocarbons, C11 – C13, isoalkanes, <2% aromatics)
<b>Decomposition temperature:</b>	No information available.
<b>pH</b>	Not applicable.
<b>Viscosity:</b>	
<b>Kinematic viscosity at 40 °C</b>	1.3 mm <sup>2</sup> /s
<b>Dynamic:</b>	No information available.
<b>Solubility water:</b>	Not miscible or difficult to mix.
<b>Partition coefficient n-octanol/water (log value)</b>	

	Hydrocarbons, C11 – C13, isoalkanes, <2% aromatics	> 4 log Kow
106-24-1	geraniol	2,6 log Kow

<b>Vapour pressure:</b>	Not determined.
<b>Density and/or relative density</b>	
<b>Density at 20 °C:</b>	< 1 g/cm <sup>3</sup>
<b>Vapour density</b>	No information available.

9.2 Other information

<b>Appearance:</b>	
<b>Form:</b>	Fluid
<b>Important information on protection of health and environment, and on safety.</b>	
<b>Ignition temperature:</b>	$\geq 222$ °C
<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Change in condition</b>	
<b>Softening point/range</b>	
<b>Oxidising properties</b>	None.
<b>Evaporation rate</b>	No information available.

Information with regard to physical hazard classes

<b>Explosives</b>	void
<b>Flammable gases</b>	void
<b>Aerosols</b>	void
<b>Oxidising gases</b>	void

(Contd. on page 8)

Trade name: Mosquito Stop

(Contd. of page 7)

Gases under pressure	void
Flammable liquids	void
Flammable solids	void
Self-reactive substances and mixtures	void
Pyrophoric liquids	void
Pyrophoric solids	void
Self-heating substances and mixtures	void
Substances and mixtures, which emit flammable gases in contact with water	void
Oxidising liquids	void
Oxidising solids	void
Organic peroxides	void
Corrosive to metals	void
Desensitised explosives	void

**SECTION 10: Stability and reactivity**

**10.1 Reactivity** No further relevant information available.

**10.2 Chemical stability** No decomposition if used and stored according to specifications.

**10.3 Possibility of hazardous reactions** Hazardous Polymerization will not occur.

**10.4 Conditions to avoid**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**10.5 Incompatible materials:** strong oxidizing agents

**10.6 Hazardous decomposition products:**

No decomposition if used and stored according to specifications.

**SECTION 11: Toxicological information**

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute toxicity** Based on available data, the classification criteria are not met.

**LD/LC50 values relevant for classification:**

**Hydrocarbons, C11 – C13, isoalkanes, <2% aromatics**

Oral	LD50	> 5,000 mg/kg (rat)
Dermal	LD50	> 5,000 mg/kg (Rabbit)
Inhalative	LC50/4h	> 4,951 mg/m <sup>3</sup> (rat)

**CAS: 106-24-1 geraniol**

Oral	LD50	3,600 mg/kg (rat)
Dermal	LD50	> 5,000 mg/kg (Rabbit)

**Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

Repeated exposure may cause skin dryness or cracking.

**Serious eye damage/irritation** Causes serious eye irritation.

**Respiratory or skin sensitisation** May cause an allergic skin reaction.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

(Contd. on page 9)



Trade name: Mosquito Stop

(Contd. of page 8)

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT-single exposure** Based on available data, the classification criteria are not met.

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** May be fatal if swallowed and enters airways.

**11.2 Information on other hazards**

**Endocrine disrupting properties**

None of the ingredients is listed.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Aquatic toxicity:**

**Hydrocarbons, C11 – C13, isoalkanes, <2% aromatics**

LL50 (96 h) > 1,000 mg/l (fish) (Onchorhynchus mykiss)  
read-across

**12.2 Persistence and degradability**

106-24-1 geraniol OECD 301A: 90 - 100 % (3 d)

**12.3 Bioaccumulative potential**

	Hydrocarbons, C11 – C13, isoalkanes, <2% aromatics	> 4 log Kow
106-24-1	geraniol	2,6 log Kow

**12.4 Mobility in soil** No further relevant information available.

**12.5 Results of PBT and vPvB assessment**

**PBT:** The mixture does not contain PBT substances  $\geq 0,1$  %.

**vPvB:** The mixture does not contain vPvB substances  $\geq 0,1$  %.

**12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

**12.7 Other adverse effects**

**Additional ecological information:**

**General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow product to reach ground water, water course or sewage system.

**\* SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Only dispose of product residues via authorised companies according to local legislation.

**European waste catalogue**

Notes: The European Waste Catalogue (EWC) classifies waste materials and categorises them according to what they are and how they were produced. This may cause other classifications. The final decision belongs to the last user.

(Contd. on page 10)

**Trade name: Mosquito Stop**

(Contd. of page 9)

13 07 03*	other fuels (including mixtures)
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

**Uncleaned packaging:**

**Recommendation:**

Dispose of packaging according to regulations on the disposal of packagings.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

**SECTION 14: Transport information**

**14.1 UN number or ID number**

ADR/RID/ADN, IMDG, IATA not regulated

**14.2 UN proper shipping name**

ADR/RID/ADN, IMDG, IATA not regulated

**14.3 Transport hazard class(es)**

ADR/RID/ADN, ADN, IMDG, IATA

Class not regulated

**14.4 Packing group**

ADR/RID/ADN, IMDG, IATA not regulated

**14.5 Environmental hazards:** Not applicable.

**14.6 Special precautions for user** Not applicable.

**14.7 Maritime transport in bulk according to IMO**

instruments Not applicable.

UN "Model Regulation": not regulated

**SECTION 15: Regulatory information**

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

**Directive 2012/18/EU**

**Named dangerous substances - ANNEX I** None of the ingredients is listed.

**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**REGULATION (EU) 2019/1148**

**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

(Contd. on page 11)

**Trade name: Mosquito Stop**

(Contd. of page 10)

**Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

**National regulations:**

**Information about limitation of use:** Employment restrictions concerning juveniles must be observed.

**Other regulations, limitations and prohibitive regulations**

The product is subject to the Biocide Regulation (EU) No. 528/2012.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Relevant phrases**

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

EUH066 Repeated exposure may cause skin dryness or cracking.

**Training hints**

Before handling, storage or use for the first time, employees must be informed about the properties of the substance and about measures taken to ensure safety and environmental protection.

**Classification according to Regulation (EC) No 1272/2008**

Serious eye damage/irritation	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.
Skin sensitisation	
Aspiration hazard	

**Department issuing SDS:**

UmEnA GmbH

<http://umena.at>

Email: [office@umena.at](mailto:office@umena.at)

**Date of previous version:** 20.06.2023

**Version number of previous version:** 2.0

**Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

(Contd. on page 12)

---

**Trade name: Mosquito Stop**

---

(Contd. of page 11)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Asp. Tox. 1: Aspiration hazard – Category 1

**\* Data compared to the previous version altered.**