

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

1.1. Product identifier

Name of product Anti-Spider Spray
Art-Nr 02.1928.00

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

Recommended intended purpose(s)

Remedy against spiders.

Effect of the substance / the mixture

The product is used as a biocide.

1.3. Details of the supplier of the safety data sheet

Manufacturer/distributor Yachticon A. Nagel GmbH
Bürgermeister-Bombeck-Str. 1, D-22851 Norderstedt
Phone +49 40 511 3780, Fax +49 40 51 74 37
E-Mail yachticon@yachticon.de
Internet www.yachticon.de

Advice

Phone +49 40 511 37 80
Fax +49 40 51 74 37
E-mail (competent person):
yachticon@yachticon.de

1.4. Emergency telephone number

Emergency advice Giftinformationszentrale Berlin
Phone +49 (0)30 192 40
Information in German.

! SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

! Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
Flam. Liq. 2	H225	
Eye Irrit. 2	H319	
Skin Sens. 1	H317	
Aquatic Chronic 1	H410	

! Hazard statements for physical hazards

H225 Highly flammable liquid and vapour.

! Hazard statements for health hazards

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

! Hazard statements for environmental hazards

H410 Very toxic to aquatic life with long lasting effects.

Additional hints

This mixture is classified as hazardous according to Regulation (EC) No 1272/2008 [GHS].

Anti-Spider Spray

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]



GHS02



GHS07



GHS09

! Signal word

Danger

! Hazard statements for physical hazards

H225 Highly flammable liquid and vapour.

! Hazard statements for health hazards

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

! Hazard statements for environmental hazards

H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements

General

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

! Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P261 Avoid inhalation of vapors / spray.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

! Response

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

P391 Collect spillage.

! Storage

P403 + P235 Store in a well-ventilated place. Keep cool.

! Disposal

P501 Dispose of contents/container to an approved waste handling.

! Hazardous ingredients for labeling

Citronellal, m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate

Additional information

Special rules on packaging

Touchable warning sign (EN/ISO 11683).

Anti-Spider Spray**Remark**

Use biocides safely. Always read the label and product information before use.

2.3. Other hazards

No information available.

! SECTION 3: Composition/ information on ingredients**3.1. Substances**

not applicable

3.2. Mixtures**Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/ GHS]
52645-53-1	258-067-9	m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate	0,5 - 1	Acute Tox. 4, H332 / Acute Tox. 4, H302 / Skin Sens. 1, H317 / Aquatic Acute 1, H400 M=1000 / Aquatic Chronic 1, H410 M=1000
69011-36-5	500-241-6	Isotridecanol, ethoxylated < 2.5 EO	< 0,5	Skin Irrit. 2, H315 / Eye Dam. 1, H318 / Aquatic Chronic 3, H412
64-17-5	200-578-6	ethanol	> 70 < 90	Flam. Liq. 2, H225 / Eye Irrit. 2, H319
106-23-0	203-376-6	Citronellal	> 0,1 < 0,3	Skin Irrit. 2, H315 / Skin Sens. 1, H317 / Flam. Liq. 3, H226 / Aquatic Chronic 2, H411

REACH

CAS No	Name	REACH registration number
69011-36-5	Isotridecanol, ethoxylated < 2.5 EO	01-2119976362-32-XXXX
64-17-5	ethanol	01-2119457610-43-XXXX

! Additional advice

Contains permethrin (CAS Nr. 52645-53-1)

Contains Piperonyl butoxide/PBO

Labelling for contents according to regulation (EC) No 648/2004, annex VII

CITRONELLOL (CAS 106-22-9)

LIMONENE (CAS 5989-27-5)

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Remove contaminated soaked clothing immediately.

In the event of persistent symptoms receive medical treatment.

In case of inhalation

Ensure of fresh air.

In case of skin contact

In case of contact with skin wash off immediately with soap and water.

In case of eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

Remove contact lenses.

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In case of ingestion

Do not induce vomiting.
Seek medical advice immediately.
Rinse out mouth thoroughly with water.

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

No information available.

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

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam
Dry fire-extinguishing substance
Carbon dioxide
Water spray jet

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Fire gas of organic material has to be classed invariably as respiratory poison.

In the event of fire the following can be released:

Carbon monoxide (CO)
Carbon dioxide (CO₂)

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply (isolated).

Additional information

Cool endangered containers with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

High risk of slipping due to leakage / spillage of product.

Residues of fire and contaminated fire extinguishing water must not enter drains, surface water or groundwater.

Remove containers from the danger area, if possible without risk.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Ensure adequate ventilation.
Avoid skin and eye contact.
Use personal protective clothing.
Keep away sources of ignition.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

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6.3. Methods and material for containment and cleaning up

Take up with absorbent material (e.g. sand, general-purpose binder, kieselguhr).
After taking up the material dispose according to regulation.

6.4. Reference to other sections

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

Emergency telephone number: see section 1

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid formation of aerosols.

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

Hot product produces combustible vapours.

Avoid inhalation of vapors.

Take the usual precautions when handling with chemicals.

Handle in accordance with good industrial hygiene and safety practice.

General protective measures

Do not inhale vapours.

Avoid contact with eyes and skin

Hygiene measures

Clean skin thoroughly after working.

At work do not eat, drink and smoke.

Remove soiled or soaked clothing immediately.

Keep away from food and drink.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking

Vapours can form an explosive mixture with air.

Precautionary measures against electrostatic charging necessary.

Avoid effect of heat.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in closed original container.

Only use containers that are approved specifically for the substance/product.

Advice on storage compatibility

Do not store with acids.

Do not store together with oxidizing agents.

Further information on storage conditions

Keep container tightly closed and store at cool and aired place.

Storage group 3

Fire class B

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7.3. Specific end use(s)

No information available.

! SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Respiratory protection

Breathing apparatus in the event of high concentrations.

Short term: filter apparatus, filter A

! Hand protection

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

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Butyl, 0,3 mm, 480 min. e.g. "Butoject"; KCL GmbH, Email: Vertrieb@kcl.de.

Eye protection

safety goggles

Other protection measures

Light protective clothing.

Appropriate engineering controls

Ensure good ventilation, where necessary use fume hood.

! SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

liquid

Colour

yellowish

Odour

characteristic

Odour threshold

not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	ca. 7	20 °C			
boiling point	ca. 78 °C		1013 hPa		Data refer to the main component.
melting point	-114 °C				Data refer to the main component.
Flash point	ca. 19 °C				
Vapourisation rate	not determined				
Flammable (solid)	not determined				

Safety Data Sheet according to Regulation (EC)

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	Value	Temperature	at	Method	Remark
Flammability (gas)	not determined				
Ignition temperature	ca. 400 °C				The data refer to the main component.
Self ignition temperature	not determined				
Lower explosion limit	15 Vol-%				Data refer to the main component.
Upper explosion limit	3,5 Vol-%				Data refer to the main component.
Vapour pressure	ca. 60 hPa	20 °C			Data refer to the main component.
Relative density	0,83 g/cm ³	20 °C			
Vapour density	not determined				
Solubility in water		20 °C			soluble
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	-0,3	20 °C		n-Octanol/Wasser	Data refer to the main component.
Decomposition temperature	not determined				
Viscosity	not determined				
Solvent content	70 - 80 %				

Oxidising properties

No information available.

Explosive properties

Could form explosive mixtures with air.

9.2. Other information

No information available.

! SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable under normal conditions of use.

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Reactions with acids and strong oxidising agents.

10.4. Conditions to avoid

Heat, open flames, sparks

10.5. Incompatible materials

Substances to avoid

Acid

Oxidising agent, strong

10.6. Hazardous decomposition products

Concerning possible decomposition products see section 5.

Thermal decomposition

Remark No decomposition if used as directed.

! Additional information

As a general rule we recommend avoiding the contact with strong chemical reagents, such as acids, bases, reductors and oxidizers.

! SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	> 2000 mg/kg	rat	OECD 401	Information concerns to main component.
LD50 acute dermal	> 2000 mg/kg	rabbit	OECD 402	Information refers to main component.
LC50 acute inhalation	> 20 mg/l (4 h)	rat		Information concerns to main component.
Skin irritation	low irritant effect - not necessary to label			
Eye irritation	irritant			
Skin sensitization	No known sensitization.			

Anti-Spider Spray**Experiences made from practice**

May be absorbed through the skin.

Repeated and prolonged skin contact may cause defatting and irritation.

Concentrations substantial above MAK-value may effect narcotic.

After swallowing irritations in the mouth, pharynx, esophagus, gastrointestinal tract.

After Resorption large quantities: Drowsiness, dizziness, cramps, and in certain circumstances narcosis.

Additional information

The product should be handled with the care usual when dealing with chemicals.

Further hazardous properties can not be excluded.

! SECTION 12: Ecological information**12.1. Toxicity****Ecotoxicological effects**

	Value	Species	Method	Validation
Fish	LC50 15300 mg/l (96 h)	Pimephales promelas		Information refers to main component.
Daphnia	EC50 > 10000 mg/l (48 h)	Daphnia magna		Information refers to main component.
Algae	EC50 275 mg/l (3 d)	Chlorella vulgaris	OECD 201	Information refers to main component.
Bacteria	EC50 5800 mg/l (4 h)	Paramecium caudatum		Information refers to main component.

12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
Biological degradability				Main component readily degradable

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects**General regulation**

Do not allow uncontrolled leakage of product into the environment.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Recommendations for the product**

There are no harmonised regulations on the disposal of chemicals in the member states of the EU. In Germany the Recycling and Waste Management Act (KrWG) stipulates recycling as a requirement.

This means that a distinction must be made between "wastes for recycling" and "wastes for disposal".

Particular aspects - in the main concerning delivery - are also governed by the Laender.

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Recommendations for packaging

Disposal according to official regulations.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Recommended cleansing agent

water

General information

Allocation of the waste number has to be done according to the EWC directive industry- and process-specific.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	1170	1170	1170
14.2. UN proper shipping name	ETHANOL (ethanol)	ETHANOL (ethanol)	Ethanol solution (ethanol)
14.3. Transport hazard class(es)	3	3	3
14.4. Packing group	II	II	II
14.5. Environmental hazards	Yes	Yes	Yes

14.6. Special precautions for user

No information available.

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

No information available.

Land and inland navigation transport ADR/RID

Hazard label(s) 3

tunnel restriction code D/E

Classification code F1

Marine transport IMDG

MARINE POLLUTANT

! SECTION 15: Regulatory information

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

National regulations

Water hazard class 2 following VwVwS hazardous to water

Decree for case of interference/remarks Quantity limits according to Hazardous Incident Ordinance must be observed.

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15.2. Chemical Safety Assessment

No information available.

SECTION 16: Other information

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

The national special regulations have to be implemented by each user their own responsibility!

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Please note: Our Material Safety Data Sheets have been prepared in accordance with EU directives, WITHOUT taking into account the specific national regulations for handling hazardous materials and chemicals.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 2.0

Sources of key data used

Data sheets of the suppliers.

European Chemicals Agency (ECHA)

Federal Environment Agency (water hazard classes)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
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.
H412	Harmful to aquatic life with long lasting effects.