

Safety data sheet in accordance with regulation (EC) No 1907/2006

Trade name: cit MuscaBlock pour-on

Version: 3 / DE

Date revised: 10.10.2024

Substance number:: R-15443

Replaces Version: 2 / DE

Print date: 12.11.2025

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Warning

Hazard statements

H226	Flammable liquid and vapour.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P405	Store locked up.
P501	Dispose of contents/container to a hazardous or special waste collection point (problem waste collection point), in accordance with local, regional, national and/or international regulations.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains Permethrin; Geraniol; 1-methoxy-2-propanol

2.3. Other hazards

No special hazards have to be mentioned.

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients

1-methoxy-2-propanol

CAS No.	107-98-2		
EINECS no.	203-539-1		
Concentration	>=	50	%
Classification (Regulation (EC) No. 1272/2008)			
	Flam. Liq. 3		H226
	STOT SE 3		H336

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Permethrin

CAS No.	52645-53-1		
EINECS no.	258-067-9		
Concentration	>=	1	< 10 %
Classification (Regulation (EC) No. 1272/2008)			
	Acute Tox. 4	H302	
	Acute Tox. 4	H332	
	Skin Sens. 1	H317	
	Aquatic Acute 1	H400	
	Aquatic Chronic 1	H410	

Concentration limits (Regulation (EC) No. 1272/2008)

	Aquatic Acute 1	M = 1000
	Aquatic Chronic 1	M = 1000
ATE	oral	480 mg/kg
cATpE	inhalative, Dust/Mist	1,5 mg/l

Geraniol

CAS No.	106-24-1		
EINECS no.	203-377-1		
Concentration	>=	0,1	< 1 %
Classification (Regulation (EC) No. 1272/2008)			
	Skin Sens. 1	H317	

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

In case of accident or if you feel unwell, seek medical advice immediately.

After inhalation

Ensure supply of fresh air. Remove affected person from danger area. In the event of symptoms take medical treatment.

After skin contact

Take off contaminated clothing. Wash skin with plenty of soap and water. Consult a doctor if skin irritation persists. Wash contaminated clothing before reuse.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Remove contact lenses. Continue rinsing. In case of irritation consult an oculist.

After ingestion

Rinse mouth thoroughly with water. If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting - aspiration hazard. Provide for body rest, protect against loss of heat. Doctor must assess whether observation and inpatient follow-up treatment are required.

Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

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

May cause allergic skin reactions.

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

Hints for the physician / treatment

Treat symptomatically

Hints for the physician / hazards

No further relevant information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide, Dry powder, Water spray jet, Foam

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus. Wear full protective suit.

Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations. Observe manufacturer's / distributor`s instructions.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away sources of ignition. Ensure adequate ventilation. Use breathing apparatus if exposed to vapours/dust/aerosol. Avoid contact with skin, eyes and clothing. Use personal protective clothing. Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. Retain and dispose of contaminated wash water. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Pick up rest with suitable absorbent materials. Do not pick up with the help of saw-dust or other combustible substances. Clean contaminated floors and objects thoroughly, observing environmental regulations. Containers in which spilt substance has been collected must be adequately labelled. Dispose of as prescribed.

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

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7.1. Precautions for safe handling

Advice on safe handling

Ensure adequate ventilation. Observe safety references and application instructions mentioned on can. Keep away from sources of ignition! If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Keep container tightly closed. Avoid contact with skin, eyes and clothing. Do not breathe gas/fumes/vapour/spray.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition. No smoking. Take action to prevent static discharges. Avoid impact and friction. Use only explosion-proof equipment. Keep away from combustible material. Wear shoes with conductive soles.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in original packaging, tightly closed. Storage rooms must be properly ventilated. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Provide solvent-resistant and impermeable floor. Protect against direct sunlight. Protect from heat. Store in a cool and dry place.

Hints on storage assembly

Do not store together with foodstuffs.

Storage classes

Storage class according to TRGS 510	3	Flammable liquid
Storage category (Switzerland)	3	Flammable liquid

Further information on storage conditions

Keep container tightly closed and in a well-ventilated place. Keep in a cool place

7.3. Specific end use(s)

Insecticide

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

1-methoxy-2-propanol

List	TRGS 900			
Type	AGW			
Value	370	mg/m ³	100	ppm(V)

Maximum limit value: 2(l)Pregnancy group: YRemarks: DFG, EU

Other information

There are not known any further control parameters.

Derived No/Minimal Effect Levels (DNEL/DMEL)

Geraniol

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	161,6	mg/m ³

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Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	47,8	mg/m ³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	12,5	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	7,5	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	13,75	mg/kg/d

8.2. Exposure controls

General protective and hygiene measures

Do not smoke during work time. Hold emergency shower available. Hold eye wash fountain available. Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Take off immediately all contaminated clothing. Do not eat or drink during work time. Storage of foodstuffs in work rooms is forbidden. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

Respiratory protection

If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection

Use chemical-resistant gloves! Suitable for short-term use: 1,4mm Latex or 0,85mm Nitrile (Recommended: Kerbl Fletex (Latex), or Kerbl Chemex (Nitrile))
Hand protection must comply with EN 374.

Eye protection

Safety glasses with side protection shield; Face shield; Eye protection must comply with EN 166.

Body protection

Clothing as usual in the chemical industry. Fire-resistant antistatic protective clothing; Protective shoes

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state liquid

Melting point

Remarks not determined

Freezing point

Remarks not determined

Boiling point or initial boiling point and boiling range

Remarks not determined

Flammability

Highly flammable liquid and vapour.

Upper and lower explosive limits

Remarks not determined

Flash point

Remarks Not applicable

Auto-ignition temperature

Remarks not determined

Decomposition temperature

Remarks not determined

pH value

Remarks not determined

Viscosity

Remarks not determined

Solubility(ies)

Remarks not determined

Partition coefficient n-octanol/water (log value)

Remarks not determined

Vapour pressure

Remarks not determined

Density and/or relative density

Value 0,958 g/ml

Temperature °C

Relative vapour density

Remarks not determined

9.2. Other information

Odour threshold

Remarks not determined

Evaporation rate (ether = 1) :

Remarks not determined

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Solubility in water

Remarks not determined

Explosive properties

evaluation not determined

Oxidising properties

Remarks not determined

Other information

None known

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions when stored and handled according to prescribed instructions. Flammable liquid and vapor.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions when stored and handled according to instructions.

10.4. Conditions to avoid

Sun exposure, high temperatures, ignition sources. Flames and sparks. Hot surfaces.

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

Hazardous decomposition products should not be formed under normal storage and use conditions.

SECTION 11: Toxicological information

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

Acute oral toxicity

ATE > 10.000 mg/kg
Method calculated value (Regulation (EC) No. 1272/2008)
Remarks Based on available data, the classification criteria are not met.

Acute oral toxicity (Components)

Geraniol

Species rat
LD50 3600 mg/kg

Permethrin

Species rat
LD50 480 to 554 mg/kg

Acute dermal toxicity

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

Acute dermal toxicity (Components)

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Geraniol

Species	rabbit		
LD50	>	5000	mg/kg

Permethrin

Species	rat		
LD50	>	2000	mg/kg

1-methoxy-2-propanol

Species	rat		
LD50	>	2000	mg/kg
Source	Guideline: EU Method B.3		

Acute inhalational toxicity

ATE	>	20	mg/l
Administration/Form	Dust/Mist		
Method	calculated value (Regulation (EC) No. 1272/2008)		
Remarks	Based on available data, the classification criteria are not met.		

Acute inhalative toxicity (Components)**Permethrin**

Species	rat		
LC50	>	0,45	mg/l

Skin corrosion/irritation

Remarks	Based on available data, the classification criteria are not met.
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Serious eye damage/irritation

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

evaluation	May cause sensitization by skin contact.
Remarks	The classification criteria are met.

Sensitization (Components)**Geraniol**

evaluation	sensitizing
Remarks	Allergic reaction possible.

Permethrin

evaluation	Allergic reaction possible.
Remarks	May cause an allergic skin reaction.

Subacute, subchronic, chronic toxicity

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

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

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

Remarks	Based on available data, the classification criteria are not met.
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Specific Target Organ Toxicity (STOT)

Single exposure	
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Remarks
evaluation

The classification criteria are met.
May cause drowsiness or dizziness.

Repeated exposure

Remarks

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

Specific Target Organ Toxicity (STOT) (Components)

Permethrin

Species

NOAEC

Duration of exposure

Route of exposure inhalative
rat

0,2201 mg/l

6 d

Permethrin

Repeated exposure

Species

NOAEC

Duration of exposure

Route of exposure inhalative
rat

0,2201 mg/l

6 h

1-methoxy-2-propanol

Single exposure

Remarks

May cause drowsiness and dizziness.

1-methoxy-2-propanol

Repeated exposure

Species

LOAEL

Duration of exposure

Route of exposure oral
rat

2757 mg/kg

28 d

1-methoxy-2-propanol

Repeated exposure

Species

NOAEL

Duration of exposure

Source

Route of exposure dermal
rabbit

> 1000 mg/kg

28 d

OECD Guideline 410

Aspiration hazard

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

11.2. Information on other hazards

Endocrine disrupting properties with respect to humans

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

Experience in practice

No information available

Other information

There is no data available on the product apart from the information given in this subsection.

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SECTION 12: Ecological information

12.1. Toxicity

General information

Very toxic to aquatic life with long lasting effects.

Fish toxicity (Components)

Geraniol

Species	Fish		
LC50	22		mg/l
Duration of exposure	4	d	

Geraniol

Species	Fish		
LC100	46,4		mg/l
Duration of exposure	4	d	

Geraniol

Species	Fish		
NOEC	10		mg/l
Duration of exposure	4	d	

Permethrin

Species	guppy (Poecilia reticulata)		
LC50	0,0089		mg/l
Duration of exposure	96	h	

Permethrin

Species	carp (Cyprinus carpio)		
LC50	0,145		mg/l
Duration of exposure	96	h	

Daphnia toxicity (Components)

Geraniol

Species	Daphnia magna		
EC50	10,8		mg/l
Duration of exposure	48	h	

Permethrin

Species	Daphnia magna		
EC50	0,32		mg/l
Duration of exposure	48	h	

Algae toxicity (Components)

Geraniol

Species	Algae		
EC50	13,1		mg/l
Duration of exposure	72	h	

Geraniol

Species	Algae		
NOEC	1		mg/l

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Duration of exposure 72 h

Geraniol

Species Algae
EC10 3,77 mg/l
Duration of exposure 72 h

Permethrin

Species Scenedesmus subspicatus
ErC50 > 0,011 mg/l
Duration of exposure 72 h

12.2. Persistence and degradability

General information

not determined

Biodegradability (Components)

Geraniol

evaluation readily degradable

Permethrin

Remarks Not biodegradable.

12.3. Bioaccumulative potential

General information

not determined

Partition coefficient n-octanol/water (log value)

Remarks not determined

Octanol/water partition coefficient (log Pow) (Components)

Permethrin

log Pow 4,67
Temperature 25 °C

12.4. Mobility in soil

General information

not determined

12.5. Results of PBT and vPvB assessment

General information

not determined

Results of PBT and vPvB assessment

The product contains no PBT substances
The product contains no vPvB substances.

12.6 Endocrine disrupting properties

Endocrine disrupting properties with respect to the environment

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

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General information

not determined

General information / ecology

Do not allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

EWC waste code 02 01 08 S Agrochemical waste containing dangerous substances
 Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number or ID number	1993	1993	1993
14.2. UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (1-methoxy-2-propanol, Permethrin)	FLAMMABLE LIQUID, N.O.S. (1-methoxy-2-propanol, Permethrin)	FLAMMABLE LIQUID, N.O.S. (1-methoxy-2-propanol, Permethrin)
14.3. Transport hazard class(es)	3	3	3
Label			
14.4. Packing group	III	III	III
Remarks	The product is not subject to any other provisions of ADR provided packaging of not more than 5 l / 5 kg	The product can be transported in accordance with IMDG Code paragraph 2.10.2.7, provided packaging not more than 5 l / 5 kg.	The product is not subject to any other provisions of IATA provided packaging of not more than 5 l / 5 kg (A197)
Limited Quantity	5 l	5 l	
Transport category	3		
14.5. Environmental hazards			
Tunnel restriction code	D/E		

Information for all modes of transport

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14.6. Special precautions for user

None

Other information

14.7. Maritime transport in bulk according to IMO instruments

Not relevant

SECTION 15: Regulatory information

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

Water Hazard Class (Germany)

Water Hazard Class (Germany) WGK 3

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

VOC

VOC (CH) 0,768 kg/l

Other regulations, restrictions and prohibition regulations

PT18 - Insecticides, acaricides and products against other arthropods

Contains:

Permethrin

36,0 g/kg

Geraniol

5,0 g/kg

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

Hazard statements listed in Chapter 3

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Acute Tox. 4	Acute toxicity, Category 4
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic, Category 1
Flam. Liq. 3	Flammable liquid, Category 3
Skin Sens. 1	Skin sensitization, Category 1
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***

This information is based on our present state of knowledge. However, it should not constitute a

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guarantee for any specific product properties and shall not establish a legally valid relationship. Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.