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

1.1. Product identifier

Name of product Acarosan
Art-Nr 21072

1.2. Relevant identified uses of the substance or mixture and uses advised against Recommended intended purpose(s)

For acarine and allergen-removing application on carpets, carpeted floors, upholstery, mattresses and other home textiles in house dust mite allergy.

1.3. Details of the supplier of the safety data sheet

Manufacturer/distributor Davimed GmbH
Bahnhofstr. 1-3, D-23795 Bad Segeberg
Phone +49 (0)4551 808 60-10, Fax +49 (0)4551 808 60-60
E-Mail info@davimed.de
Internet <http://www.davimed.de>

Advice

Phone +49 (0)4551 808 60-0
Fax +49 (0)4551 808 60-60

1.4. Emergency telephone number

Emergency advice Giftinformationszentrale Göttingen GIZ
Phone +49 (0)551 19 240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Additional hints

This mixture is not classified as hazardous according to Regulation (EC) 1272/2008 [GHS].

2.2. Label elements

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

Precautionary Statements

General

P102 Keep out of reach of children.
P103 Read label before use.

Prevention

P262 Do not get in eyes, on skin, or on clothing.

Special rules for supplemental label elements for certain mixtures

Safety data sheet available on request.

2.3. Other hazards

Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

! 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] |
|------------|-----------|---|------------|---|
| 67-63-0 | 200-661-7 | propan-2-ol | > 2 <= 5 | Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336 |
| 68891-38-3 | 500-234-8 | Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts | < 5 | Skin Irrit. 2, H315 / Eye Dam. 1, H318 / Aquatic Chronic 3, H412 / ** |
| 69011-36-5 | Polymer | Isotridecanole, ethoxylated (2-5 EO) | < 3 | Aquatic Chronic 3, H412 / |

REACH

| CAS No | Name | REACH registration number |
|------------|---|---------------------------|
| 67-63-0 | propan-2-ol | 01-2119457558-25-XXXX |
| 68891-38-3 | Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts | 01-2119488639-16-XXXX |
| 69011-36-5 | Isotridecanole, ethoxylated (2-5 EO) | 01-2119976362-32-XXXX |

! Additional advice

** Substance-specific limit values of the raw materials are taken into account for the classification of the product.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove moisted 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 with soap and water.

In case of eye contact

In case of contact with eyes rinse thoroughly with water.

If irritation or discomfort occur, seek medical advice.

remove contact lenses

In case of ingestion

Rinse out mouth and give plenty of water to drink.

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

5.2. Special hazards arising from the substance or mixture

Thermal decomposition may release toxic substances.
Attention: slip hazard if leaking.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply (isolated).

Additional information

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.
If possible without risk, remove containers from the danger zone.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Use personal protective clothing.
Do not breathe aerosols.
High risk of slipping due to leakage/spillage of product.
Avoid contact with clothing, skin and eyes.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.
Inform respective authorities in case of seepage into water course or sewage system.

6.3. Methods and material for containment and cleaning up

Send in suitable containers for recovery or disposal.
Take up with absorbent material (e.g. sand, sawdust, 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

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

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Avoid prolonged / repeated contact with skin.
 Avoid contact with eyes.

General protective measures

Do not inhale aerosols
 Avoid contact with the eyes.

Hygiene measures

Clean skin thoroughly after working.
 At work do not eat, drink and smoke.
 Remove soiled or soaked clothing immediately.

Advice on protection against fire and explosion

No special measures necessary.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep in closed original container.

Further information on storage conditions

Keep container tightly closed and store at cool and aired place.
 Protect from heat and direct solar radiation.

Storage group 12

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters
biological limits (TRGS 903)**

| CAS No | Name | Parameter | BGW | Examination material | Test date |
|---------|-------------|-----------|---------|----------------------|-----------|
| 67-63-0 | propan-2-ol | Aceton | 25 mg/l | B | b |
| 67-63-0 | propan-2-ol | Aceton | 25 mg/l | U | b |

DNEL-/PNEC-values**DNEL worker**

| CAS No | Substance name | Value | Code | Remark |
|---------|----------------|-----------------------|--------------------------------------|--------|
| 67-63-0 | propan-2-ol | 500 mg/m ³ | DNEL long-term inhalative (systemic) | |
| | | 888 mg/kg bw/day | DNEL long-term dermal (systemic) | |
| | | 26 mg/kg bw/day | DNEL long-term oral (repeated) | |

DNEL Consumer

| CAS No | Substance name | Value | Code | Remark |
|---------|----------------|----------------------|--------------------------------------|--------|
| 67-63-0 | propan-2-ol | 89 mg/m ³ | DNEL long-term inhalative (systemic) | |
| | | 319 mg/kg bw/day | DNEL long-term dermal (systemic) | |

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PNEC

| CAS No | Substance name | Value | Code | Remark |
|---------|----------------|------------|-----------------------------|--------|
| 67-63-0 | propan-2-ol | 552 mg/kg | PNEC sediment, freshwater | |
| | | 140,9 mg/l | PNEC aquatic, freshwater | |
| | | 140,9 mg/l | PNEC aquatic, marine water | |
| | | 552 mg/kg | PNEC sediment, marine water | |

8.2. Exposure controls

Respiratory protection

With adequate exhaust, ventilation is not necessary.

Hand protection

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Nitril, 0,4 mm, 60 min, 480 min. e.g. "Camatril Profi" (KCL GmbH, email: Vertrieb@kcl.de

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.

Eye protection

safety goggles

Other protection measures

protective clothing

Appropriate engineering controls

Ensure good ventilation, if necessary exhaustion at the workplace.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

liquid

Colour

milky white

Odour

product-specific

Odour threshold

not determined

Important health, safety and environmental information

| | Value | Temperature | at | Method | Remark |
|--|----------------|-------------|----|--------|---------|
| pH value | | | | | neutral |
| Boiling temperature / boiling range | not determined | | | | |
| Melting point / Freezing point | not determined | | | | |
| Flash point | not determined | | | | |
| Vapourisation rate | not determined | | | | |

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| | Value | Temperature | at | Method | Remark |
|--|----------------|-------------|----|--------|-------------------------------|
| Flammable (solid) | not determined | | | | |
| Flammability (gas) | not determined | | | | |
| Ignition temperature | not determined | | | | |
| Self ignition temperature | | | | | Product is not self igniting. |
| Lower explosion limit | not determined | | | | |
| Upper explosion limit | not determined | | | | |
| Vapour pressure | not determined | | | | |
| Relative density | not determined | | | | |
| Vapour density | not determined | | | | |
| Solubility in water | | 20 °C | | | soluble |
| Solubility/other | not determined | | | | |
| Partition coefficient n-octanol/water (log P O/W) | not determined | | | | |
| Decomposition temperature | not determined | | | | |
| Viscosity | not determined | | | | |

Oxidising properties

No information available.

Explosive properties

The product is not explosive.

9.2. Other information

Refer to technical data sheet.

SECTION 10: Stability and reactivity**10.1. Reactivity**

No information available.

10.2. Chemical stability

Stable under recommended storage conditions.

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Heat and frost

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

Regarding possible decomposition products refer to Section. 5

Thermal decomposition

Remark No decomposition if used as directed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

| | Value/Validation | Species | Method | Remark |
|------------------------|------------------------------------|---------|--------|--------|
| Skin irritation | non-irritant | | | |
| Eye irritation | low irritant - no labeling duty | | | |

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

No information available.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

Accumulation in organisms is not to be expected.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

General regulation

Do not allow uncontrolled leakage of product into the environment.

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

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.

Recommendations for packaging

Totally emptied packaging may be taken for recycling.
Totally emptied packaging may be treated as household waste.
Disposal in accordance with local regulations.

Recommended cleansing agent

Water, if necessary together with cleansing agents.

General information

The waste code must be allocated in compliance with the EAK-regulation referring to the specific process and the sector.

SECTION 14: Transport information

| | ADR/RID | IMDG | IATA-DGR |
|----------------------------------|---------|------|----------|
| 14.1. UN number | - | - | - |
| 14.2. UN proper shipping name | - | - | - |
| 14.3. Transport hazard class(es) | - | - | - |
| 14.4. Packing group | - | - | - |
| 14.5. Environmental hazards | - | - | - |

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.

Transport/further information

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

! SECTION 15: Regulatory information

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

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National regulations

Water hazard class 2 following AwSV (Germany)
hazardous for water

**Decree for case of
interference/remarks** No subject to the incident regulations.

15.2. Chemical Safety Assessment

No information available.

! SECTION 16: Other information

Training advice

Refer to technical data sheet for further information.

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

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.

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

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: 1.2

! Sources of key data used

European Chemicals Agency (ECHA).

Data sheets of the suppliers.

Umweltbundesamt Berlin (Water hazard classes)

Full text of the hazard phrases in section 3:

- H225 Highly flammable liquid and vapour.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H412 Harmful to aquatic life with long lasting effects.