

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

1.1. Product identifier

Name of product Acaril
Art-Nr 73055 (250 ml), 73057 (500 ml)

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

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]

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
Acute Tox. 4	H302	
Eye Dam. 1	H318	
Aquatic Acute 1	H400	
Aquatic Chronic 2	H411	

! Hazard statements for health hazards

H302 Harmful if swallowed.
H318 Causes serious eye damage.

Hazard statements for environmental hazards

H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

Additional hints

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

2.2. Label elements

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



GHS05



GHS07



GHS09

! Signal word
Danger

! Hazard statements for health hazards

H302 Harmful if swallowed.
H318 Causes serious eye damage.

Hazard statements for environmental hazards

H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

General

P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.

! Prevention

P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

! Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.

Disposal

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

! Hazardous ingredients for labelling

Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts, Alcohols, C9-C11-iso-, C10-rich, ethoxylated

! Special rules for supplemental label elements for certain mixtures

Contains 4-(4-Hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde. May produce an allergic reaction.

Additional information

Special rules on packaging

Touchable warning sign (EN/ISO 11683).

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]
68891-38-3	500-234-8	Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts	> 5 < 10	Skin Irrit. 2, H315 / Eye Dam. 1, H318 / Aquatic Chronic 3, H412 / **
120-51-4	204-402-9	benzyl benzoate	> 20 < 30	Acute Tox. 4, H302 / Aquatic Chronic 2, H411 / Aquatic Acute 1, H400
31906-04-4	250-863-4	4-(4-Hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	0,01 < 0,1	Skin Sens. 1A, H317
78330-20-8		Alcohols, C9-C11-iso-, C10-rich, ethoxylated	15 < 25	Acute Tox. 4, H302 / Eye Dam. 1, H318

REACH

CAS No	Name	REACH registration number
68891-38-3	Alcohols, C12-14(even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts	01-2119488639-16-XXXX
120-51-4	benzyl benzoate	01-2119976371-33-XXXX

! Additional advice

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

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

BENZYL BENZOATE (CAS 120-51-4)

FARNESOL (CAS 4602-84-0)

HYDROXYISOHEXYL3-CYCLOHEXENE CARBOXYALDEHYDE (CAS 31906-04-4)

5 % or over but less than 15 % anionic surfactants

30 % and more non-ionic surfactants

perfumes

! SECTION 4: First aid measures

4.1. Description of first aid measures

! General information

Remove moisted clothing immediately.

Consult a doctor if symptoms occur and / or persist.

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

Seek medical advice immediately.

remove contact lenses

Rinse immediately with plenty of water with the eyelid wide open for 10 to 15 minutes.

In case of ingestion

Refer to medical treatment.

Rinse out mouth and give plenty of water to drink.

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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

Ensure adequate ventilation.

Use personal protective clothing.

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

Avoid contact with clothing, skin and eyes.

If vapors and aerosols occur, use suitable respiratory protection.

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.

Ensure adequate ventilation.

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

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

Avoid contact with eyes and skin.

Keep container tightly closed.

General protective measures

Avoid contact with eyes and skin

Do not inhale gases/vapours/aerosols.

Hygiene measures

Clean skin thoroughly after working.

At work do not eat, drink and smoke.

Remove soiled or soaked clothing immediately.

Work in rooms with good ventilation.

Wash hands and skin before breaks and after work.

Use barrier skin cream.

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

CAS No	Substance name	Value	Code	Remark
120-51-4	benzyl benzoate	102 mg/m ³	DNEL acute inhalative (systemic)	
		5,1 mg/m ²	DNEL long-term inhalative (systemic)	
		2,6 mg/kg bw/day	DNEL long-term dermal (systemic)	

PNEC

CAS No	Substance name	Value	Code	Remark
120-51-4	benzyl benzoate	0,017 mg/l	PNEC aquatic, freshwater	
		1,07 mg/kg	PNEC sediment, marine water	
		10,66 mg/kg	PNEC sediment, freshwater	
		100 mg/l	PNEC sewage treatment plant (STP)	
		0,002 mg/l	PNEC aquatic, marine water	

Acaril**DNEL-/PNEC-values (continued)**

CAS No	Substance name	Value	Code	Remark
		2,21 mg/kg	PNEC soil	

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

yellowish

Odour

fresh

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				
Flammable (solid)	not determined				
Flammability (gas)	not determined				

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	Value	Temperature	at	Method	Remark
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 information available.

10.4. Conditions to avoid

Heat and frost

Acaril**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.

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
Skin irritation	low irritant effect - not necessary to label			
Eye irritation	irritant - risk of strong eye injuries			
Skin sensitization	Contains a sensitizing substance / sensitizing substances, may cause allergic reactions.			
Sensitization respiratory system	No sensitizing effects known.			

! Specific target organ toxicity (single exposure)

No effect known.

! Specific target organ toxicity (repeated exposure)

No effect known.

! Aspiration hazard

No classification in relation to aspiration toxicity.

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	-	-	-

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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

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.

CAS - Chemical Abstracts Service; CLP - Classification, Labelling & Packaging; DNEL - Derived No Adverse Effect Level; GHS - Globally Harmonised System of Classification and Labelling of Chemicals; LC50 - median lethal concentration;

OECD-Organisation for Economic Co-operation and Development; PBT-persistent, bioaccumulative and toxic. persistent, bioaccumulative and toxic; PNEC-estimated non-effect concentration; STOT-specific target organ toxicity;SVHC-substance of very high concern

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: 1.3

! Sources of key data used

Data sheets of the suppliers.

Umweltbundesamt Berlin (Water hazard classes)

Full text of the hazard phrases in section 3:

H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

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- H400 Very toxic to aquatic life.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.