

Arkophob DAN new liq 0050 Page 1(18)

 Substance key: 000000524869
 Revision Date: 28.04.2024

 Version: 4 - 11 / EU
 Date of printing: 03.03.2025

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

#### 1.1. Product identifier

Trade name

Arkophob DAN new liq 0050

Material number: 275909

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

#### Relevant identified uses of the substance or mixture

Industry sector: Textile processing industry

Type of use: Textile auxiliary

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

#### Identification of the company

ARCHROMATURKEY Kimya Sanayi

ve Ticaret Ltd. Şti.

Gebze Organize Sanayi Bölgesi İhsan Dede Cad. No:124 Gebze

41480 Kocaeli / TURKEY

Telephone no.: +90 262 672 12 12

#### Information about the substance/mixture

e-mail: PS.MSDS-Europe@archroma.com

#### 1.4. Emergency telephone number

+49 69 2222 5285, +33 1 7211 0003 (24 h)

#### **SECTION 2: Hazards identification**

# 2.1. Classification of the substance or mixture

#### Classification according CLP regulation (Regulation (EC) No. 1272/2008, as amended)

Not a hazardous substance or mixture.

#### 2.2. Label elements

# Labelling according CLP regulation (Regulation (EC) No. 1272/2008, as amended)

Not a hazardous substance or mixture.

#### Sensitizing components / contains :

5-Chloro-2-methyl-2,3-dihydroisothiazol-3-one and 2-Methyl-2,3-dihydroisothiazol-3-one (3:1) May produce an allergic reaction.



Arkophob DAN new liq 0050 Page 2(18)

 Substance key: 000000524869
 Revision Date: 28.04.2024

 Version: 4 - 11 / EU
 Date of printing: 03.03.2025

#### 2.3. Other hazards

No additional hazards are known except those derived from the labelling. Contains no components identified as PBT or vPvB with a content >= 0,1 %

Contains no component identified as having Endocrine disrupting properties with a content >= 0.1 %

# **SECTION 3: Composition/information on ingredients**

#### 3.2. Mixtures

#### Chemical characterization

polyurethane nonionic

#### **Hazardous ingredients**

## Alcohol C13-iso, ethoxylated ≥ 2.5 - < 5 EO

Concentration: >= 1 - < 3 %CAS number: 9043-30-5

GHS classification EC

Eye irritation	Category 2	H319
Chronic aquatic toxicity	Category 3	H412

#### 3,5-dimethylpyrazole

Concentration : >= 0,1 - <= 0,2 %

CAS number : 67-51-6 EC number: 200-657-5

REACH - Registration number according to

ation 17-2119960905-28-0000

article 20(3):

GHS classification EC

Acute toxicity	Category 4	H302
Reproductive toxicity	Category 2	H361d
Specific target organ toxicity - repeated exposure	Category 2	H373

# 5-Chloro-2-methyl-2,3-dihydroisothiazol-3-one and 2-Methyl-2,3-dihydroisothiazol-3-one (3:1)

Concentration : >= 0,0002 - < 0,0015 %

CAS number : 55965-84-9 EC number: 911-418-6 Index Number 613-167-00-5



Arkophob DAN new liq 0050 Page 3(18)

Substance key: 000000524869	Revision Date: 28.04.2024
Version : 4 - 11 / EU	Date of printing : 03.03.2025

#### GHS classification EC

Acute toxicity	Category 3	H301
Acute toxicity	Category 2	H330
Acute toxicity	Category 2	H310
Skin corrosion	Category 1C	H314
Skin sensitisation	Sub-category 1A	H317
Acute aquatic toxicity	Category 1	H400
Chronic aquatic toxicity	Category 1	H410
Serious eye damage	Category 1	H318

#### Specific concentration limits:

Skin corrosion	Category 1C	>= 0,6 %
Skin irritation	Category 2	0,06 - < 0,6 %
Eye irritation	Category 2	0,06 - < 0,6 %
Skin sensitisation	Sub-category 1A	>= 0,0015 %
Serious eye damage	Category 1	>= 0,6 %

M-Factor (Acute aquatic toxicity) :	100
M-Factor (Chronic aquatic toxicity) :	100

The text of the H-phrases is shown in section 16.

# **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

#### **General information**

Remove/Take off immediately all contaminated clothing.

Ensure that the First Aid Personnel are aware of the product involved, and take precautions to protect themselves (e.g. wear personal protection equipment).

#### After inhalation

If inhaled, remove to fresh air.

#### After contact with skin

After contact with skin, wash immediately with plenty of soap and water.

#### After contact with eyes

Rinse immediately with plenty of water and seek medical advice.

Rinse immediately with plenty of water for at least 15 minutes.

Get medical attention immediately if irritation develops and persists.

#### After ingestion

If swallowed, call a poison control centre or doctor immediately. Treat symptomatically.

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



Arkophob DAN new liq 0050 Page 4(18)

 Substance key: 000000524869
 Revision Date: 28.04.2024

 Version: 4 - 11 / EU
 Date of printing: 03.03.2025

# **Symptoms**

The possible symptoms known are those derived from the labelling (see section 2).

#### **Hazards**

No additional hazards are known except those derived from the labelling.

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

#### **Treatment**

Treat symptomatically.

# **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

#### Suitable extinguishing media

al

## Extinguishing media that must not be used for safety reasons

No restrictions

#### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products:

Carbon oxides

Nitrogen oxides (NOx)

## 5.3. Advice for firefighters

#### Special protective equipment for firefighting

Self-contained breathing apparatus

Full protective suit

#### **Further information**

Cool endangered containers with water spray jet.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

# **SECTION 6: Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures

Wear suitable protective equipment.

Ventilate the area.

#### 6.2. Environmental precautions

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

The product should not be allowed to enter drains, water courses or the soil.

## 6.3. Methods and material for containment and cleaning up



Arkophob DAN new liq 0050 Page 5(18)

 Substance key: 000000524869
 Revision Date: 28.04.2024

 Version: 4 - 11 / EU
 Date of printing: 03.03.2025

After processing, clean all equipment with the following: Water

#### 6.4. Reference to other sections

#### Additional information

Take up as such and consider recycling.

Do not let the liquid drain into rivers, ponds or sewer systems.

# **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

### Advice on safe handling

No special measures necessary. Avoid contact with skin and eyes.

#### Hygiene measures

This preparation is classified as non-hazardous. However the usual precautions for handling chemicals must be observed to avoid contact with the skin, eyes and respiratory tract. In case of contact with the product, wash the eye immediately with running water and the skin with water and soap.

#### Advice on protection against fire and explosion

No special measures necessary.

## 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage areas and containers

Keep only in the original container.

### Advice on storage compatibility

Avoid storage near incompatibile agents (see section 10). Do not store or transport together with foodstuffs

# Further information on storage conditions

Keep containers tightly closed in a cool, well-ventilated place.

Handle and open container with care.

Keep away sources of ignition.

#### 7.3. Specific end use(s)

No further recommendations.

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

#### 8.1. Control parameters

#### **Exposure limit values**

Exposure limit values are not available.

#### **DNEL/DMEL values**

3,5-dimethylpyrazole

EC number: 200-657-5



Arkophob DAN new liq 0050 Page 6(18)

 Substance key: 000000524869
 Revision Date: 28.04.2024

 Version: 4 - 11 / EU
 Date of printing: 03.03.2025

CAS number : 67-51-6

Route of exposure	Personnel	Exposure time/Effect	Value	Remarks
Inhalation	Workers	Long-term systemic effects	0,329 mg/m3	Repeated dose toxicity
Inhalation	Workers	Acute systemic effects		No hazard identified
Inhalation	Workers	Long-term local effects		No hazard identified
Inhalation	Workers	Acute local effects		No hazard identified
Dermal	Workers	Long-term systemic effects	0,093 mg/kg	Repeated dose toxicity
Dermal	Workers	Acute systemic effects		No hazard identified
Dermal	Workers	Long-term local effects		No hazard identified
Dermal	Workers	Acute local effects		No hazard identified
Eye contact	Workers	Local effects		No hazard identified
Inhalation	General population	Long-term systemic effects	0,058 mg/m3	Repeated dose toxicity
Inhalation	General population	Acute systemic effects		No hazard identified
Inhalation	General population	Long-term local effects		No hazard identified
Inhalation	General population	Acute local effects		No hazard identified
Dermal	General population	Long-term systemic effects	0,033 mg/kg	Repeated dose toxicity
Dermal	General population	Acute systemic effects		No hazard identified
Dermal	General population	Long-term local effects		No hazard identified
Dermal	General population	Acute local effects		No hazard identified
Oral	General population	Long-term systemic effects	0,033 mg/kg	Repeated dose toxicity
Oral	General population	Acute systemic effects		No hazard identified
Eye contact	General population	Local effects		No hazard identified

5-Chloro-2-methyl-2,3-dihydroisothiazol-3-one and 2-Methyl-2,3-dihydroisothiazol-3-one (3:1)

EC number: 911-418-6 CAS number: 55965-84-9

Route of exposure	Personnel	Exposure time/Effect	Value	Remarks
Inhalation	Workers	Long-term systemic effects		No hazard identified
Inhalation	Workers	Acute systemic effects		No hazard identified
Inhalation	Workers	Long-term local effects	0,02 mg/m3	Repeated dose toxicity



Arkophob DAN new liq 0050 Page 7(18)

 Substance key: 000000524869
 Revision Date: 28.04.2024

 Version: 4 - 11 / EU
 Date of printing: 03.03.2025

Inhalation	Workers	Acute local effects	0,04 mg/m3	Repeated dose toxicity
Dermal	Workers	Long-term systemic effects		No hazard identified
Dermal	Workers	Acute systemic effects		No hazard identified
Dermal	Workers	Long-term local effects		No hazard identified
Inhalation	General population	Long-term systemic effects		No hazard identified
Inhalation	General population	Acute systemic effects		No hazard identified
Inhalation	General population	Long-term local effects	0,02 mg/m3	Repeated dose toxicity
Inhalation	General population	Acute local effects	0,04 mg/m3	Repeated dose toxicity
Dermal	General population	Long-term systemic effects		No hazard identified
Dermal	General population	Acute systemic effects		No hazard identified
Dermal	General population	Long-term local effects		No hazard identified
Oral	General population	Long-term systemic effects	0,09 mg/kg	Repeated dose toxicity
Oral	General population	Acute systemic effects	0,11 mg/kg	Repeated dose toxicity

#### **PNEC** values

3,5-dimethylpyrazole

EC number: 200-657-5 CAS number: 67-51-6

Environmental compartment	Personnel/Exposure time/Effect	Value
Fresh water		0,1 mg/l
Intermittent use/release		1 mg/l
Marine water		0,01 mg/l
Sewage treatment plant		0,1 mg/l
Fresh water sediment		1200 mg/kg
Marine sediment		120 mg/kg
Air	No exposure expected	
Soil		240 mg/kg
Secondary Poisoning		0,67 mg/kg

5-Chloro-2-methyl-2,3-dihydroisothiazol-3-one and 2-Methyl-2,3-dihydroisothiazol-3-one (3:1)

EC number: 911-418-6 CAS number: 55965-84-9

Environmental compartment	Personnel/Exposure time/Effect	Value
Fresh water		3,39 µg/l



Arkophob DAN new liq 0050 Page 8(18)

Substance key: 000000524869	Revision Date: 28.04.2024
Version : 4 - 11 / EU	Date of printing : 03.03.2025

Marine water		3,39 µg/l
Sewage treatment plant		0,23 mg/l
Fresh water sediment		0,027 mg/kg
Marine sediment		0,027 mg/kg
Air	No exposure expected	
Soil		0,01 mg/kg
Secondary Poisoning	Does not bioaccumulate.	

#### 8.2. Exposure controls

#### Appropriate engineering controls

Local ventilation recommended - mechanical ventilation may be used.

#### General protective measures

Observe the usual precautions for handling chemicals.

Ensure that eyewash stations and safety showers are close to the workstation location.

**Respiratory protection:** Use respiratory protection in case of insufficient exhaust

ventilation or prolonged exposure

**Hand protection :** Chemical resistant gloves

Take note of the information given by the producer concerning

permeability and break through times, and of special

workplace conditions (mechanical strain, duration of contact).

Eye protection : Safety glasses

Body protection : working clothes

# **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

Physical state: liquid
Form: Liquid
Colour: white
Odour: none

Odour threshold: not available

Melting point: Not applicable

Boiling point/boiling range: approx. 100 °C ( 1.013 hPa)

Flammability: Not applicable

Lower explosion limit: not available

Upper explosive limit: not available

Flash point: No flash point - Measure made up to the boiling point.



Arkophob DAN new liq 0050 Page 9(18)

 Substance key: 000000524869
 Revision Date: 28.04.2024

 Version: 4 - 11 / EU
 Date of printing: 03.03.2025

Ignition temperature: not available

Self-ignition temperature: Not applicable

Thermal decomposition: not available

pH value: 4,5 - 6,5 (20 °C)

Viscosity (kinematic): not available

Viscosity (dynamic): not available

Solubility in water : (20 °C)

miscible

Octanol/water partition coefficient (log Pow):

This property is not applicable for mixtures.

Vapour pressure : not available

**Density:** 1,06 g/cm3 (20 °C, 1.013 hPa)

Relative Density: approx. 1,06 (20 °C)

Vapour density relative to air : not available

Particle size : Not applicable

9.2. Other information

Explosive properties: Explosive according transport regulation: Not explosive

Method: Expert judgement

Combustion number : Not applicable

Oxidizing properties: Type of oxidizing effect: The substance or mixture is not

classified as oxidizing.

Method: Expert judgement

Evaporation rate: not available

Minimum ignition energy: not available

Surface tension: not available

# **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

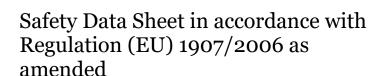
See section 10.3. "Possibility of hazardous reactions"

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use. Stable





Arkophob DAN new liq 0050 Page 10(18)

 Substance key: 000000524869
 Revision Date: 28.04.2024

 Version: 4 - 11 / EU
 Date of printing: 03.03.2025

#### 10.4. Conditions to avoid

None known.

#### 10.5. Incompatible materials

not known

#### 10.6. Hazardous decomposition products

No decomposition if used as directed.

# **SECTION 11: Toxicological information**

# 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 Information related to the product itself:

Acute oral toxicity: Acute toxicity estimate > 5.000 mg/kg

Method: Calculation method

Acute dermal toxicity: not available Acute inhalation toxicity: not available Irritant effect on skin: not available Irritant effect on eyes: not available Sensitization: not available Repeated dose toxicity: not available Genetic toxicity in vitro: not available Carcinogenicity: not available **Developmental** not available

toxicity/teratogenicity:

not available

reproduction/fertility:

Specific target organ toxicity (STOT) - single

not available

exposure:

Toxicity to

Specific target organ toxicity (STOT) - repeated

not available

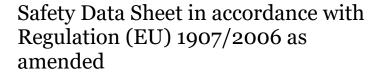
exposure:

#### Aspiration hazard :

No data available

Information related to the component: Alcohol C13-iso, ethoxylated ≥ 2.5 - < 5 EO

**Irritant effect on eyes:** Eye irritation





0050 Page 11(18) Arkophob DAN new liq

Substance key: 000000524869 Revision Date: 28.04.2024 Version : 4 - 11 / EU Date of printing: 03.03.2025

Information related to the component: 3,5-dimethylpyrazole

Acute oral toxicity: LD50 1.717 mg/kg (Rat)

Method: OECD Test Guideline 401

Acute dermal toxicity: LD50 > 2.000 mg/kg (Rat)

Method: OECD Test Guideline 402

Irritant effect on skin: No skin irritation (Rabbit)

Method: OECD Test Guideline 404

Irritant effect on eyes: No eye irritation (Rabbit)

Method: OECD Test Guideline 405

Repeated dose toxicity: Repeated dose toxicity

Route of application: Oral NOAEL: 20 mg/kg (Rat)

Method: OECD Test Guideline 422

Genetic toxicity in vitro: Test type: In vitro gene mutation study in mammalian cells

Metabolic activation: with and without

Result: negative

Method: OECD Test Guideline 476

Test type: In vitro gene mutation study in bacteria

Metabolic activation: with and without

Result: negative

Method: OECD Test Guideline 471

Test type: Chromosome aberration test in vitro

Metabolic activation: with and without

Result: negative

Method: OECD Test Guideline 473

**Developmental** 

Route of application: Oral toxicity/teratogenicity: NOAEL: 60 mg/kg (Rat)

NOAEL (maternal): 60 mg/kg (Rat) Method: OECD Test Guideline 422

Toxicity to

One generation study

reproduction/fertility:

NOAEL parent: 60 mg/kg (Rat) NOAEL F1: 60 mg/kg (Rat)

Method: OECD Test Guideline 422

Assessment of toxicity to

reproduction:

Some evidence of adverse effects on development, based on

animal experiments.

Specific target organ toxicity

(STOT) - repeated exposure :

Target organs: Liver

May cause damage to organs through Assessment:

prolonged or repeated exposure.

Information related to the component: 5-Chloro-2-methyl-2,3-dihydroisothiazol-3-one and 2-Methyl-2,3-dihydroisothiazol-3-one (3:1)

Acute oral toxicity: LD50 200 mg/kg (Rat)

Method: OECD Test Guideline 423



Arkophob DAN new liq 0050 Page 12(18)

 Substance key: 000000524869
 Revision Date: 28.04.2024

 Version: 4 - 11 / EU
 Date of printing: 03.03.2025

Acute dermal toxicity: LD50 87,12 mg/kg (Rabbit)

Method: OECD Test Guideline 402

Acute inhalation toxicity: LC50 0,81 mg/l (4 h, Rat)

Method: OECD Test Guideline 403

Irritant effect on skin: Corrosive after 1 to 4 hours of exposure (Rabbit)

Method: OECD Test Guideline 404

Irritant effect on eyes: Irreversible effects on the eye (Rabbit)

Method: OECD

**Sensitization :** The product is a skin sensitiser, sub-category 1A. (Mouse)

Repeated dose toxicity: Chronic oral toxicty

Route of application: Oral NOAEL: 17,2 mg/kg (Rat)

Method: OECD Test Guideline 453 Repeated Dose Toxicity (subchronic study)

Route of application: Inhalation NOAEL: 0,34 mg/kg (Rat) LOAEL: 1,15 mg/kg (Rat)

Method: OECD Test Guideline 413

Repeated Dose Toxicity (subchronic study)

Route of application: Dermal NOAEL: 0,4 mg/kg (Rabbit) Method: OECD Test Guideline 411

**Genetic toxicity in vivo :** Chromosome Aberration Test

Mouse (CD1, male and female)

oral (gavage)

Method: OECD Test Guideline 475

negative

**Genetic toxicity in vitro :** Test type : Bacterial reverse mutation assay

Metabolic activation : with and without

Result : negative

Method: OECD Test Guideline 471

Test type: Mammalian cell gene mutation assay

Metabolic activation: with and without

Result : positive

Method: OECD Test Guideline 476

**Developmental**Route of application: oral (gavage)

toxicity/teratogenicity: NOAEL: 15 mg/kg (Rat)

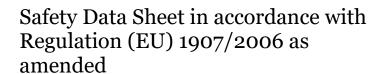
NOAEL (maternal): 15 mg/kg (Rat) Method: OECD Test Guideline 414

**Toxicity to** Two-generation study

reproduction/fertility: NOAEL parent: 30 mg/kg (Rat, male and female)

NOAEL F1: 300 mg/kg (Rat, male and female) NOAEL F2: 300 mg/kg (Rat, male and female)

Method: OECD Test Guideline 416





Arkophob DAN new liq 0050 Page 13(18)

 Substance key: 000000524869
 Revision Date: 28.04.2024

 Version: 4 - 11 / EU
 Date of printing: 03.03.2025

#### 11.2.1. Endocrine disrupting properties

## Information related to the product itself:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### 11.2.2. Other information

#### Remarks

The mixture consists of ingredient(s) with unknown acute toxicity.

# **SECTION 12: Ecological information**

#### 12.1. Toxicity

Information related to the product itself:

Fish toxicity: not available
Fish toxicity (chronic): not available
Daphnia toxicity: not available
Daphnia toxicity (chronic): not available

Algae toxicity: EC50 (Biomass) > 100 mg/l (72 h, Pseudokirchneriella

subcapitata (green algae))

Method: OECD Test Guideline 201

Bacteria toxicity: not available

**Information related to the component:** 3,5-dimethylpyrazole

Fish toxicity: LC50 > 100 mg/l (96 h, Oncorhynchus mykiss (rainbow

trout))

Method: OECD Test Guideline 203

Daphnia toxicity: EC50 > 100 mg/l (48 h, Daphnia magna (Water flea))

Method: OECD Test Guideline 202

Algae toxicity: EC50 (Growth rate) > 100 mg/l (72 h, Pseudokirchneriella

subcapitata (microalgae))

Method: OECD Test Guideline 201

**Bacteria toxicity:** EC50 22 mg/l (3 h, activated sludge of a predominantly

domestic sewage)

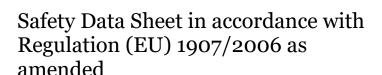
Method: OECD Test Guideline 209

Information related to the component: 5-Chloro-2-methyl-2,3-dihydroisothiazol-3-one and 2-

Methyl-2,3-dihydroisothiazol-3-one (3:1)

Fish toxicity: LC50 0,19 mg/l (96 h, Oncorhynchus mykiss (rainbow trout))

Method: EPA OPP 72-1





Arkophob DAN new liq 0050 Page 14(18)

 Substance key: 000000524869
 Revision Date: 28.04.2024

 Version: 4 - 11 / EU
 Date of printing: 03.03.2025

Fish toxicity (chronic): NOEC  $>= 46.4 \mu g/I (35 d, Danio rerio (zebra fish))$ 

Analytical monitoring: yes

Method: OECD Test Guideline 210

Daphnia toxicity: EC50 0,16 mg/l (48 h, Daphnia magna (Water flea))

Method: EPA OPP 72-2

Daphnia toxicity (chronic): NOEC 0,1 mg/l (21 d, Daphnia magna (Water flea))

Analytical monitoring: yes

Method: OPP 72-4 (EPA-Guideline): Fish early life stage and

aquatic invertebrates life cycle studies

Algae toxicity : EC50 (Growth rate) 19,9  $\mu$ g/l (72 h, Skeletonema costatum

(marine diatom))

Method: OECD Test Guideline 201

**Bacteria toxicity:** EC50 4,5 mg/l (3 h, activated sludge of a predominantly

domestic sewage)

Method: OECD Test Guideline 209

**Toxicity to soil-dwelling** 

organisms:

NOEC 8,8 mg/kg (14 d, Eisenia fetida (earthworms))

Method: OECD Test Guideline 207

NOEC 1 mg/kg (28 d, soil dwelling microorganisms)

Method: OECD 217

Toxicity to terrestrial plants: NOEC 1.000 mg/l (21 d)

Method: OECD Test Guideline 208

**Sediment toxicity:** Hyalella azteca (Scud)

Test type : flow-through test

Type of sediment : Artificial sediment

Duration: 28 d

NOEC 3,7 mg/l

#### 12.2. Persistence and degradability

Information related to the product itself:

Physico-chemical

not available

eliminability:

**Biodegradability:** < 10 % (28 d, Dissolved organic carbon (DOC))

Not readily biodegradable.

Method: OECD Test Guideline 301F

85 % (28 d, Dissolved organic carbon (DOC))

elimination via adsorption

Method: OECD Test Guideline 302B

92,20 % (28 d)

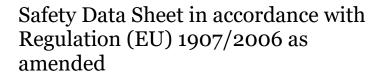
Inherently biodegradable.

Method: OECD Test Guideline 302B

Chemical oxygen demand

(COD):

535 mg/g





Arkophob DAN new liq 0050 Page 15(18)

 Substance key: 000000524869
 Revision Date: 28.04.2024

 Version: 4 - 11 / EU
 Date of printing: 03.03.2025

**Biochemical oxygen demand** < 100 mg/g

(BOD5):

Information related to the component: 3,5-dimethylpyrazole

**Biodegradability:** 42,8 % (28 d, DOC decrease)

Not readily biodegradable.

Method: OECD Test Guideline 301A

Information related to the component: 5-Chloro-2-methyl-2,3-dihydroisothiazol-3-one and 2-

Methyl-2,3-dihydroisothiazol-3-one (3:1)

Photodegradation: air

The value is given based on a SAR/AAR approach using OECD Toolbox, DEREK, VEGA QSAR models (Cesar

models), etc.

**Biodegradability:** 47,6 % (28 d, Carbon dioxide (CO2))

Not readily biodegradable.

Method: OECD Test Guideline 301B

12.3. Bioaccumulative potential

Information related to the product itself:

**Bioaccumulation:** No information is available on the mixture "as is". If relevant

information is available on the substances listed in Chapter 3,

it is reported here.

Information related to the component: 3,5-dimethylpyrazole

**Bioaccumulation:** Bioconcentration factor (BCF): 2,15

Information related to the component: 5-Chloro-2-methyl-2,3-dihydroisothiazol-3-one and 2-

Methyl-2,3-dihydroisothiazol-3-one (3:1)

**Bioaccumulation:** Bioconcentration factor (BCF): 54

Method: OECD Guide-line 305 E

12.4. Mobility in soil

Information related to the product itself:

Transport and distribution between environmental compartments:

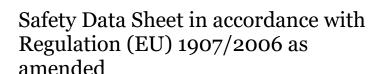
No information is available on the mixture "as is". If relevant information is available on the substances listed in Chapter 3,

it is reported here.

Information related to the component: 3,5-dimethylpyrazole

**Transport and distribution between environmental compartments:**Adsorption/Soil
Koc: 120000
log Koc: 5,1

Method: OECD Test Guideline 121





Arkophob DAN new liq 0050 Page 16(18)

 Substance key: 000000524869
 Revision Date: 28.04.2024

 Version: 4 - 11 / EU
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**Information related to the component:** 5-Chloro-2-methyl-2,3-dihydroisothiazol-3-one and 2-

Methyl-2,3-dihydroisothiazol-3-one (3:1)

Transport and distribution adsorption (Soil)

between environmental Koc: 7,7

compartments: Method: OECD Test Guideline 106

#### 12.5. Results of PBT and vPvB assessment

#### Information related to the product itself:

No information is available on the mixture "as is". If relevant information is available on the substances listed in Chapter 3, it is reported here.

#### Information related to the component: 3,5-dimethylpyrazole

The substance is not identified as a PBT or as a vPvB substance.

**Information related to the component:** 5-Chloro-2-methyl-2,3-dihydroisothiazol-3-one and 2-Methyl-2,3-dihydroisothiazol-3-one (3:1)

The substance is not identified as a PBT or as a vPvB substance.

#### 12.6. Endocrine disrupting properties

#### Information related to the product itself:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### 12.7. Other adverse effects

#### Information related to the product itself:

#### Additional ecotoxicological remarks

Avoid release to the environment.

## **SECTION 13: Disposal considerations**

# 13.1. Waste treatment methods

#### **Product**

Dispose of in accordance with local regulations.

#### Uncleaned packaging

Consider recycling.

### **SECTION 14: Transport information**

Section 14.1. to 14.5.

ADR not restricted



Arkophob DAN new liq 0050 Page 17(18)

 Substance key: 000000524869
 Revision Date: 28.04.2024

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ADN not restricted
RID not restricted
IATA not restricted
IMDG not restricted

#### 14.6. Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

#### 14.7. Maritime transport in bulk according to IMO instruments

No transport as bulk according IBC - Code.

# **SECTION 15: Regulatory information**

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

#### Other regulations

Apart from the data/regulations specified in this chapter, no further information is available concerning safety, health and environmental protection.

#### 15.2. Chemical safety assessment

Chemical Safety Assessments (CSAs) are available for one or more of the component substances contained in this product.

#### **SECTION 16: Other information**

Observe national and local legal requirements

#### List of the text of the hazard statements mentioned section 3 (H-phrases) :

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.



Arkophob DAN new liq 0050 Page 18(18)

 Substance key: 000000524869
 Revision Date: 28.04.2024

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#### Legend

ADN European Agreement concerning the International Carriage of Dangerous

Goods by Inland Waterways

ADR European Agreement concerning the International Carriage of Dangerous

Goods by Road

AOX Adsorbable organic bound halogens

CAS Chemical Abstracts Service

DMEL Derived Minimal Effect Level (genotoxic substances)

DNEL Derived No Effect Level

EC50 Half maximal effective concentration

GHS Globally Harmonized System

IATA International Air Transport Association
IMDG International Maritime Dangerous Goods

LC50 Lethal Concentration 50%

LD50 Lethal Dose 50%

MARPOL International Convention for the Prevention of Pollution From Ships

NOAEC No Observed Adverse Effect Concentration

NOAEL
NO Observed Adverse Effect Level
NOEC
Non Observed Effect Concentration
OEL
Occupational Exposure Limit
PBT
Persistent, Bioaccumulative, Toxic
PEC
Predicted Environmental Concentration
PNEC
Predicted No Effect Concentration

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals
RID International Rule for Transport of Dangerous Substances by Railway

SVHC Substances of Very High Concern

vPvB very Persistent and very Bioaccumulative

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