

Trade name: Gelon

Substance number: 72007

Version: 2 / GB

Date revised: 04.02.2026

Replaces Version: 1 / GB

Print date: 04.02.2026

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

1.1. Product identifier

Gelon

UFI

UFI: 5Y40-P0QH-N00Y-EFPC

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

Use of the substance/preparation

Duplication gel

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Dreve Dentamid GmbH
Max-Planck-Straße 31
DE-59423 Unna

Telephone no. +49 2303 8807-0

Fax no. +49 2303 8807-29

Information provided by / telephone Department Research & Development: Fax: +49 2303 8807-562

E-mail address of person responsible for this SDS sicherheitsdatenblatt@dreve.com

1.4. Emergency telephone number

Henkel Fire Department / 24h-Emergency-Contact-No.: +49 211 797-3350

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)
Skin Sens. 1A H317The product is classified and labelled in accordance with Regulation (EC) No 1272/2008
For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Warning



Trade name: Gelon

Substance number: 72007

Version: 2 / GB

Date revised: 04.02.2026

Replaces Version: 1 / GB

Print date: 04.02.2026

Hazard statements

H317 May cause an allergic skin reaction.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P501.1 Dispose of contents/container to industrial incineration plant.

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

contains 2-Methyl-2H-isothiazol-3-one

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****Chemical characterization**

Hydrocolloid gel on the basis of agar-agar/water/glycerol

Hazardous ingredients**2-Methyl-2H-isothiazol-3-one**

CAS No.	2682-20-4			
EINECS no.	220-239-6			
Registration no.	01-2120764690-50			
Concentration	>= 0,0015	<	0,01	%
Classification (Regulation (EC) No. 1272/2008)				
	Acute Tox. 3		H301	
	Eye Dam. 1		H318	
	Aquatic Acute 1		H400	
	Aquatic Chronic 1		H410	
	Skin Sens. 1A		H317	
	Acute Tox. 3		H311	
	Skin Corr. 1B		H314	
	Acute Tox. 2		H330	

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

Aquatic Acute 1	H400	M = 10
Skin Sens. 1A	H317	>= 0,0015 %
Aquatic Chronic 1	H410	M = 1

Further ingredients**Glycerol**

CAS No.	56-81-5
EINECS no.	200-289-5
Registration no.	01-2119471987-18



Trade name: Gelon

Substance number: 72007

Version: 2 / GB

Date revised: 04.02.2026

Replaces Version: 1 / GB

Print date: 04.02.2026

Concentration >= 50 %
Advice: [3]

Note

[3] Substance with occupational exposure limits

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated clothing immediately and dispose of safely.

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

After contact with skin, wash immediately with plenty of water and soap. Consult a doctor if skin irritation persists.

After eye contact

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

After ingestion

Do not induce vomiting. Summon a doctor immediately.

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

Until now no symptoms known so far.

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

Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing mediaRecommended: alcohol resistant foam, CO₂, powders, water spray/mist, Extinguishing measures to suit surroundings

5.3. Advice for firefighters

Special protective equipment for fire-fighting

In case of combustion use a suitable breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures



Trade name: Gelon

Substance number: 72007

Version: 2 / GB

Date revised: 04.02.2026

Replaces Version: 1 / GB

Print date: 04.02.2026

Avoid contact with skin, eyes and clothing.

6.2. Environmental precautions

Do not allow to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material. Clean contaminated floors and objects thoroughly, observing environmental regulations. 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**7.1. Precautions for safe handling****Advice on safe handling**

Provide good ventilation of working area (local exhaust ventilation if necessary).

Advice on protection against fire and explosion

No special measures required.

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

Store product in closed containers.

Hints on storage assembly

Do not store together with foodstuffs.

Further information on storage conditions

Keep container tightly closed and dry.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limit values****Glycerol**

List	TRGS 900
Type	E
Short term exposure limit	200 mg/m ³
Maximum limit value: 2(l) Pregnancy group: Y; Status: 05/16; Remarks: DGF	

Other information

Contains no substances with occupational exposure limit values.

Derived No/Minimal Effect Levels (DNEL/DMEL)**2-Methyl-2H-isothiazol-3-one**

Type of value	Derived No Effect Level (DNEL)
Reference group	Worker
Duration of exposure	Long term
Route of exposure	inhalative
Mode of action	Local effects
Concentration	0,021 mg/m ³



Trade name: Gelon

Substance number: 72007

Version: 2 / GB

Date revised: 04.02.2026

Replaces Version: 1 / GB

Print date: 04.02.2026

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Short term	
Route of exposure	inhalative	
Mode of action	Acute effects	
Concentration	0,043	mg/m ³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	0,021	mg/m ³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Short term	
Route of exposure	inhalative	
Mode of action	Acute effects	
Concentration	0,043	mg/m ³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	0,027	mg/person/ d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Short term	
Route of exposure	oral	
Mode of action	Acute effects	
Concentration	0,053	mg/kg/d

Predicted No Effect Concentration (PNEC)

2-Methyl-2H-isothiazol-3-one

Type of value	PNEC	
Type	Freshwater	
Concentration	3,39	µg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	3,39	µg/l
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	0,23	mg/l
Type of value	PNEC	
Type	Soil	
Concentration	0,047	mg/kg

8.2. Exposure controls



Trade name: Gelon

Substance number: 72007

Version: 2 / GB

Date revised: 04.02.2026

Replaces Version: 1 / GB

Print date: 04.02.2026

General protective and hygiene measures

Observe the usual precautions for handling chemicals.

Respiratory protection

Do not inhale vapours; Use suitable respiratory protective device in case of insufficient ventilation

Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Hand protection must comply with EN 374.

Appropriate Material nitrile

Eye protection

Safety glasses

Body protection

Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	Gel	
Colour	green	
Odour	characteristic	
Melting point		
Remarks	not determined	
Freezing point		
Remarks	not determined	
Boiling point or initial boiling point and boiling range		
Value	100	°C
Flammability		
evaluation	not determined	
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	



Trade name: Gelon

Substance number: 72007

Version: 2 / GB

Date revised: 04.02.2026

Replaces Version: 1 / GB

Print date: 04.02.2026

Vapour pressure

Remarks not determined

Density and/or relative densityValue 1,13 g/cm³
Temperature 20 °C**Relative vapour density**

Remarks not determined

9.2. Other information**Odour threshold**

Remarks not determined

Evaporation rate (ether = 1) :

Remarks not determined

Solubility in water

Remarks miscible in all proportions

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.

10.2. Chemical stability

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No hazardous reactions known.

10.5. Incompatible materials

None known

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**ATE 51,8747 mg/kg
Method calculated value according to GHS (e.g see UN GHS)**Acute oral toxicity (Components)**

2-Methyl-2H-isothiazol-3-one



Trade name: Gelon

Substance number: 72007

Version: 2 / GB

Date revised: 04.02.2026

Replaces Version: 1 / GB

Print date: 04.02.2026

Species	rat		
LD50		120	mg/kg

Glycerol

Species	rat (female)		
LD50		27,2	g/kg

Acute dermal toxicity

ATE		108,231	mg/kg
		3	

Method calculated value according to GHS (e.g see UN GHS)

Acute dermal toxicity (Components)**2-Methyl-2H-isothiazol-3-one**

Species	rat		
LD50		242	mg/kg
Method	OECD 402		

Glycerol

Species	guinea pig		
LD50		56,75	mg/kg

Acute inhalational toxicity

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

Acute inhalative toxicity (Components)**2-Methyl-2H-isothiazol-3-one**

Species	rat		
LC50		0,34	mg/m ³
Duration of exposure		4	h
Administration/Form	Dust/Mist		
Method	OECD 403		

Glycerol

Species	rat		
LC0		5,85	kg/m ³
Duration of exposure		4	h

Skin corrosion/irritation

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

Skin corrosion/irritation (Components)**2-Methyl-2H-isothiazol-3-one**

Species	rabbit		
evaluation	corrosive		
Method	OECD 404		

Serious eye damage/irritation

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

Serious eye damage/irritation (Components)**2-Methyl-2H-isothiazol-3-one**

evaluation	corrosive		
------------	-----------	--	--

Sensitization

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

Sensitization (Components)**2-Methyl-2H-isothiazol-3-one**

Route of exposure	dermal
Species	mouse



Trade name: Gelon

Substance number: 72007

Version: 2 / GB

Date revised: 04.02.2026

Replaces Version: 1 / GB

Print date: 04.02.2026

evaluation Method	sensitizing OECD 429
----------------------	-------------------------

Subacute, subchronic, chronic toxicity

Remarks	not determined
---------	----------------

Mutagenicity

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

Reproductive toxicity

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

Carcinogenicity

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

Specific Target Organ Toxicity (STOT)**Single exposure**

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

Repeated exposure

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

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.

Other information

No toxicological data are available.

SECTION 12: Ecological information**12.1. Toxicity****General information**

not determined

Fish toxicity (Components)**2-Methyl-2H-isothiazol-3-one**

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)		
LC50	4,77		mg/l
Duration of exposure	96	h	
Method	OECD 203		

2-Methyl-2H-isothiazol-3-one

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)		
NOEC	4,93		mg/l
Duration of exposure	98	Days	
Method	OECD 210		

Glycerol

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)		
LC50	5,4		g/l
Duration of exposure	96	h	

Daphnia toxicity (Components)**2-Methyl-2H-isothiazol-3-one**



Trade name: Gelon

Substance number: 72007

Version: 2 / GB

Date revised: 04.02.2026

Replaces Version: 1 / GB

Print date: 04.02.2026

Species	Daphnia magna		
LC50	0,934		mg/l
Duration of exposure	48	h	
Method	OECD 202		

2-Methyl-2H-isothiazol-3-one

Species	Daphnia magna		
NOEC	0,044		mg/l
Duration of exposure	21	d	
Method	OECD 211		

Glycerol

Species	Daphnia magna		
LC50	1,96		g/l
Duration of exposure	48	h	

Algae toxicity (Components)**2-Methyl-2H-isothiazol-3-one**

Species	Pseudokirchneriella subcapitata		
EC50	0,138		mg/l
Duration of exposure	120	h	
Method	OECD 201		

Bacteria toxicity (Components)**2-Methyl-2H-isothiazol-3-one**

Species	activated sludge		
EC50	41		mg/l
Duration of exposure	3	h	
Method	OECD 209		

Glycerol

Species	Pseudomonas putida		
EC50	> 10		g/l
Duration of exposure	16	h	

12.2. Persistence and degradability**General information**

not determined

Biodegradability (Components)**2-Methyl-2H-isothiazol-3-one**

Value	50		%
Duration of test evaluation	29	d	
Method	not readily degradable		
	OECD 301B / ISO 9439 / EEC 84/449 C5		

Glycerol

Value	94		%
Duration of test evaluation	24	h	
	Readily biodegradable (according to OECD criteria)		

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)**2-Methyl-2H-isothiazol-3-one**

Trade name: Gelon

Substance number: 72007

Version: 2 / GB

Date revised: 04.02.2026

Replaces Version: 1 / GB

Print date: 04.02.2026

log Pow -0,486
Method OECD 107

Glycerol

log Pow -1,76
Temperature 25 °C
Method OECD 107

Bioconcentration factor (BCF) (Components)**2-Methyl-2H-isothiazol-3-one**

BCF 3,16
Source calculated value

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**General information**

not determined

General information / ecology

Do not discharge product unmonitored into the environment.

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

Must not be disposed together with household garbage.
Dispose of waste according to applicable legislation.

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



Trade name: Gelon

Substance number: 72007

Version: 2 / GB

Date revised: 04.02.2026

Replaces Version: 1 / GB

Print date: 04.02.2026

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number or ID number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)		-	-
Label			
14.4. Packing group		-	-

SECTION 15: Regulatory information ***

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

Restriction according to annex XVII to regulation (EU) No 1907/2006

The product is subject to restrictions according to Annex XVII Regulation (EU) No. 1907/2006: Entry No. 3

Ingredients with restrictions according to Annex XVII Regulation (EU) No. 1907/2006 ***

2-Methyl-2H-isothiazol-3-one

The product is subject to restrictions according to Annex XVII Regulation (EU) No. 1907/2006: Entry No. 3

The product is subject to restrictions according to Annex XVII Regulation (EU) No. 1907/2006: Entry-No. 75

15.2. Chemical safety assessment

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

SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification (Regulation (EC) No. 1272/2008)

Skin Sens. 1A

H317

Calculation method

Hazard statements listed in Chapter 2/3

H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.



Trade name: Gelon

Substance number: 72007

Version: 2 / GB

Date revised: 04.02.2026

Replaces Version: 1 / GB

Print date: 04.02.2026

CLP categories listed in Chapter 2/3

Acute Tox. 2	Acute toxicity, Category 2
Acute Tox. 3	Acute toxicity, Category 3
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic, Category 1
Eye Dam. 1	Serious eye damage, Category 1
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Sens. 1A	Skin sensitization, Category 1A

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 guarantee for any specific product properties and shall not establish a legally valid relationship.