neodisher MultiZym

Version: 6 / GB | Replaces Version: 5 / GB | Date revised: 20.05.2026 | Print date: 20.05.26

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

1.1. Product identifier

neodisher MultiZym

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

Use of the substance/preparation

Cleaners

Identified Uses

PC35 Washing and cleaning products (including solvent based products)

1.3. Details of the supplier of the safety data sheet

Address

Dr. Weigert (Schweiz) AG
General-Guisan-Strasse 6
CH-6300 Zug
Telephone no. +41 (0) 41 229 40 10
Fax no. +41 (0) 41 229 40 13
www.drweigert.ch

E-mail address of person responsible for this SDS:
sida@drweigert.de

Manufacturer

Chemische Fabrik Dr. Weigert GmbH & Co. KG
Mühlenhagen 85
20539 Hamburg
Telephone no. +49 40 789 60 0
Fax no. +49 40 789 60 120
www.drweigert.com

1.4. Emergency telephone number

Emergency telephone number: 112

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 H317
The 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

Hazard statements

H317	May cause an allergic skin reaction.

Precautionary statements

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
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 or doctor. Dispose only when container is empty and closed. For disposal of product residues, refer to safety data sheet.

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

contains	2-methylisothiazol-3(2H)-one; subtilisin; isotridecanol, ethoxylated; sodium alkylsulfonate; 2-octyl-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

Hazardous ingredients

isotridecanol, ethoxylated

CAS No.	69011-36-5				
Concentration	>=	5	<	15	%

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

Acute Tox. 4	H302	Route of exposure: oral
Eye Dam. 1	H318	

ATE	oral	300	mg/kg	

sodium alkylsulfonate

CAS No.	97489-15-1				
EINECS no.	307-055-2				
Registration no.	01-2119489924-20				
Concentration	>=	1	<	5	%

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

Eye Dam. 1	H318	
Skin Irrit. 2	H315	
Acute Tox. 4	H302	Route of exposure: oral
Aquatic Chronic 3	H412	

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

Acute Tox. 4	H302	> 60 %
Eye Dam. 1	H318	> 15 %
Eye Irrit. 2	H319	> 10 <= 15 %

ATE	oral	300	mg/kg

subtilisin

CAS No.	9014-01-1
EINECS no.	232-752-2

Registration no. 01-2119480434-38
Concentration >= 0,1 < 1 %
Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4	H302	Route of exposure: oral
Skin Irrit. 2	H315	
Eye Dam. 1	H318	
Resp. Sens. 1	H334	
STOT SE 3	H335	
Aquatic Acute 1	H400	
Aquatic Chronic 2	H411	

2-methylisothiazol-3(2H)-one
CAS No. 2682-20-4
EINECS no. 220-239-6
Concentration >= 0,0015 < 0,01 %
Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 3	H301	Route of exposure: oral
Acute Tox. 3	H311	Route of exposure: dermal
Acute Tox. 2	H330	Route of exposure: inhalative
Skin Corr. 1B	H314	
Skin Sens. 1A	H317	
STOT SE 3	H335	
Aquatic Acute 1	H400	
Aquatic Chronic 1	H410	
Eye Dam. 1	H318	

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

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

2-octyl-2H-isothiazol-3-one
CAS No. 26530-20-1
EINECS no. 247-761-7
Concentration < 0,001 %
Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 2	H330	Route of exposure: inhalative
Acute Tox. 3	H311	Route of exposure: dermal
Acute Tox. 3	H301	Route of exposure: oral
Skin Corr. 1	H314	
Eye Dam. 1	H318	
Skin Sens. 1A	H317	
Aquatic Acute 1	H400	
Aquatic Chronic 1	H410	

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

Skin Sens. 1A	H317	>= 0,0015 %
Aquatic Acute 1		M = 100
Aquatic Chronic 1		M = 100

Further ingredients

glycerol
CAS No. 56-81-5
EINECS no. 200-289-5
Concentration >= 10 < 25 %
Advice: [3]

2,2',2''-nitrilotriethanol

CAS No.	102-71-6				
EINECS no.	203-049-8				
Registration no.	01-2119486482-31				
Concentration	>=	1	<	10	%

Advice: [3]

Note

[3] Substance with occupational exposure limits

Other information

Complete text of hazard statements in chapter 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of persistent symptoms consult doctor.

After inhalation

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

After skin contact

In case of contact with skin wash off with warm water. 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

Rinse out mouth and give plenty of water to drink.

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 media

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

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

In case of combustion use a suitable breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing.

6.2. Environmental precautions

Do not discharge into surface waters/groundwater.

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 protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value	>	0	< 25	°C

Requirements for storage rooms and vessels

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Hints on storage assembly

Do not store together with foodstuffs.

Storage classes

Storage class according to TRGS 510	12	Non-combustible liquids

Further information on storage conditions

Protect from heat and direct sunlight. Keep container tightly closed and dry.

7.3. Specific end use(s)

no data

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Glycerol

List	EH40	
Type	WEL	
Value	10	mg/m³

Other information

There are not known any further control parameters.

8.2. Exposure controls

General protective and hygiene measures

Observe the usual precautions for handling chemicals.

Respiratory protection

Not necessary, but do not inhale vapours. If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Particle filter P2

Hand protection

Chemical resistant gloves

Use	Permanent hand contact

Appropriate Material	neoprene		
Material thickness	>=	0,65	mm
Breakthrough time	>	480	min
Appropriate Material	nitrile		
Material thickness	>=	0,4	mm
Breakthrough time	>	480	min
Appropriate Material	butyl		
Material thickness	>=	0,7	mm
Breakthrough time	>	480	min
Use	Short-term hand contact		
Appropriate Material	nitrile		
Material thickness	>=	0,11	mm

Hand protection must comply with EN 374.

Eye protection

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

Body protection

Not necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state liquid, transparent to opaque

Colour yellow

Odour characteristic

Melting point

Remarks not determined

Freezing point

Remarks not determined

Boiling point or initial boiling point and boiling range

Remarks not determined

Flammability

evaluation not determined

Upper and lower explosive limits

Remarks Not applicable

Flash point

Remarks Not applicable

Auto-ignition temperature

Remarks Not applicable

Decomposition temperature

Remarks

Remarks not determined

pH value

Value	8,5	to	9,0	

Viscosity

dynamic

Value	<	50		mPa.s
Temperature		20	°C	

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	1,06	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	no

Oxidising properties

evaluation	None known

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

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

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

Acute oral toxicity

ATE	2.051,28	mg/kg
Method	calculated value according to GHS (e.g see UN GHS)	

Acute oral toxicity (Components)

isotridecanol, ethoxylated

Species	rat				
LD50	>	300	to	2000	mg/kg

sodium alkylsulfonate

Species	rat				
LD50		300	to	2000	mg/kg

Acute dermal toxicity

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

Acute inhalational toxicity

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

Skin corrosion/irritation

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

Skin corrosion/irritation (Components)

isotridecanol, ethoxylated

Species: rabbit
evaluation: non-irritant

Serious eye damage/irritation

evaluation: slight irritant effect - does not require labelling
Source: OECD 438

Serious eye damage/irritation (Components)

isotridecanol, ethoxylated

Species: rabbit
evaluation: irritant - risk of serious damage to eyes

Sensitization

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

Subacute, subchronic, chronic toxicity

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

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

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

SECTION 12: Ecological information

12.1. Toxicity

General information

not determined

Fish toxicity (Components)

sodium alkylsulfonate

Species	zebra fish (Brachydanio rerio)				
LC50		1	to	10	mg/l
Duration of exposure		96	h		

isotridecanol, ethoxylated

Species	carp (Cyprinus carpio)				
LC50	>	1	to	10	mg/l
Duration of exposure		96	h		
Method	OECD 203				

Daphnia toxicity (Components)

sodium alkylsulfonate

Species	Daphnia magna				
EC50		9,81			mg/l
Duration of exposure		48	h		

isotridecanol, ethoxylated

Species	Daphnia magna				
EC50	>	1	to	10	mg/l
Duration of exposure		48	h		
Method	OECD 202				

Algae toxicity (Components)

sodium alkylsulfonate

Species	Scenedesmus subspicatus				
EC50	>	61			mg/l
Duration of exposure		72	h		

isotridecanol, ethoxylated

Species	Scenedesmus subspicatus				
EC50	>	1	to	10	mg/l
Duration of exposure		72	h		
Method	OECD 201				

Bacteria toxicity (Components)

isotridecanol, ethoxylated

Species	activated sludge				
EC50		140			mg/l

sodium alkylsulfonate

Species	Pseudomonas putida				
NOEC		600			mg/l
Method	DIN 38412 / Part 8				

12.2. Persistence and degradability

General information

not determined

Biodegradability

Remarks	The organic content of the product is biodegradable.

Biodegradability (Components)

isotridecanol, ethoxylated
evaluation Readily biodegradable (according to OECD criteria)

sodium alkylsulfonate
evaluation Readily biodegradable (according to OECD criteria)

Chemical oxygen demand (COD) (Components)

sodium alkylsulfonate
Value 1510 mg/g

12.3. Bioaccumulative potential

General information

not determined

Partition coefficient n-octanol/water (log value)

Remarks not determined

12.4. Mobility in soil

General information

not determined

12.5. Results of PBT and vPvB assessment

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 envrionment

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

EWC waste code 18 01 06* chemicals consisting of or containing dangerous substances
EWC waste code 20 01 29* detergents containing dangerous substances
The listed waste code numbers, according to the European Waste Catalogue (EWC), are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

Disposal recommendations for packaging

EWC waste code 15 01 02 plastic packaging
Completely emptied packagings can be given for recycling.
EWC waste code 15 01 10* packaging containing residues of or contaminated by dangerous substances
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	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.

Information for all modes of transport

14.6. Special precautions for user

See Sections 6 to 8

Other information

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

VOC

VOC (EU)	0,96	%	10,2	g/l

Other information

The product does not contain substances according to: Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH).

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.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

CLP categories listed in Chapter 2/3

Acute Tox. 2	Acute toxicity, Category 2

Acute Tox. 3	Acute toxicity, Category 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
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic, Category 3
Eye Dam. 1	Serious eye damage, Category 1
Resp. Sens. 1	Respiratory sensitization, Category 1
Skin Corr. 1	Skin corrosion, Category 1
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1A	Skin sensitization, Category 1A
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

Abbreviations

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route
RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses
IMDG: International Maritime Code for Dangerous Goods
ICAO: International Civil Aviation Organization
IATA: International Air Transport Association
VOC: Volatile Organic Compound
LD: Lethal dose
LC: Lethal concentration
PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very persistent and very bioaccumulative
SVHC: Substances of very high concern
UN: United Nations
CAS: Chemical Abstracts Service
OECD: Organisation for Economic Co-operation and Development
GHS: Globally Harmonized System of classification and Labelling of Chemicals
REACH: Registration, Evaluation, Autohorisation and Restriction of Chemicals
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978 (MARPOL: Marine Pollution)
IBC: Intermediate Bulk Container
ASTM: American Society for Testing And Materials
TSCA: Toxic Substances Control Act (USA)
WHO: World Health Organization
IMO: International Maritime Organization
IUCLID: International Uniform Chemical Information Database

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.