neodisher MediKlar

Version: 3 / CA | Replaces Version: 2 / CA | Date revised: 18.03.2022 | Print date: 13.03.23

1. Identification

1.1. Product identifier

neodisher MediKlar

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

Identified Uses

PC35 Washing and cleaning products (including solvent based products)

1.3. Details of the supplier of the safety data sheet

Address:

Miele Ltd.
161 Four Valley Drive
Vaughan, ON L4K 4V8
Telephone no. +1-888-325-3957
www.mieleprofessional.ca

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

Manufacturer:

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

1.4. Emergency telephone number

GBK/ Infotrac: (USA domestic) +1 800 535 5053 or international +1 352 323 3500

2. Hazard identification

2.1. Classification of the substance or mixture

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

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Skin Irrit. 2 H315
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

H315	Causes skin irritation.

Precautionary statements

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

2.3. Other hazards

No special hazards have to be mentioned.

3. Composition/Information on ingredients

3.2. Mixtures

Hazardous ingredients

fatty alkoholethoxylate-n-butylether

CAS No.	147993-63-3				
Concentration	>=	10	<	25	%
Classification (Regulation (EC) No. 1272/2008)					
	Skin Irrit. 2	H315			
	Aquatic Acute 1	H400			

sodium hydrogen N-(1-oxododecyl)-L-glutamate

CAS No.	29923-31-7				
EINECS no.	249-958-3				
Registration no.	01-2119982964-18				
Concentration	>=	1	<	10	%
Classification (Regulation (EC) No. 1272/2008)					
	Eye Irrit. 2	H319			

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine

CAS No.	2372-82-9				
EINECS no.	219-145-8				
Registration no.	01-2119980592-29				
Concentration	>=	0,01	<	0,1	%
Classification (Regulation (EC) No. 1272/2008)					
	Acute Tox. 3	H301			Route of exposure: oral
	Skin Corr. 1B	H314			
	Eye Dam. 1	H318			
	STOT RE 2	H373			
	Aquatic Acute 1	H400			
	Aquatic Chronic 1	H410			

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

Aquatic Acute 1	M = 10

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)

CAS No.	55965-84-9				
Concentration	>=	0,00015	<	0,0015	%
Classification (Regulation (EC) No. 1272/2008)					
	Acute Tox. 2	H330			Route of exposure: inhalative
	Acute Tox. 2	H310			Route of exposure: dermal
	Acute Tox. 3	H301			Route of exposure: oral
	Skin Corr. 1C	H314			

Eye Dam. 1	H318
Skin Sens. 1A	H317
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

2-octyl-2H-isothiazol-3-one

CAS No. 26530-20-1
EINECS no. 247-761-7
Concentration >= 0,00015 < 0,0015 %
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

Other information

Complete text of hazard statements in chapter 16

4. First-aid measures

4.1. Description of first aid measures

General information

Remove contaminated, soaked 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. Consult a doctor if skin irritation persists.

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. In case of irritation consult an oculist.

After ingestion

Rinse mouth thoroughly with water.

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.

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media

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

Non suitable extinguishing media

Full water jet

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

Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus.

Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing. Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material. Dispose of absorbed material in accordance with the regulations.

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid formation of aerosols. Observe the usual precautions for handling chemicals. Keep container tightly closed.

Advice on protection against fire and explosion

The product is not combustible.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value	>	0	<	30	°C

Requirements for storage rooms and vessels

Keep in original packaging, tightly closed. Storage rooms must be properly ventilated. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Storage class according to TRGS 510

Storage class according to TRGS 510	12	Non-combustible liquids

7.3. Specific end use(s)

no data

8. Exposure controls/Personal protection

8.1. Control parameters

Other information

There are not known any further control parameters.

8.2. Exposure controls

General protective and hygiene measures

Hold eye wash fountain available. Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Do not eat, drink or smoke during work time. Wash hands before breaks and after work.

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.

Hand protection

Chemical resistant gloves

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

Hand protection must comply with EN ISO 374.

Eye protection

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

Body protection

Clothing as usual in the chemical industry.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	liquid, clear
Colour	yellow-brown
Odour	characteristic

Odour threshold

Remarks not determined

pH value

Value	6,1	
Temperature	20	°C

Melting point

Remarks not determined

Freezing point

Remarks not determined

Initial boiling point and boiling range

Remarks	not determined			

Flash point

Remarks	Not applicable			

Evaporation rate (ether = 1) :

Remarks	not determined			

Flammability (solid, gas)

evaluation	Not applicable			

Upper/lower flammability or explosive limits

Remarks	Not applicable			

Vapour pressure

Remarks	not determined			

Vapour density

Remarks	not determined			

Density

Value		1,01		g/cm³
Temperature		20	°C	

Solubility in water

Remarks	miscible in all proportions			

Solubility(ies)

Remarks	not determined			

Partition coefficient: n-octanol/water

Remarks	not determined			

Ignition temperature

Remarks	Not applicable			

Decomposition temperature

Remarks	not determined			

Viscosity

dynamic

Value	<	10		mPa.s
Temperature		20	°C	

Explosive properties

evaluation	not determined			

Oxidising properties

evaluation	None known			

9.2. Other information

Other information

None known

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.

Decomposition temperature

Remarks	not determined

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

No hazardous decomposition products known.

11. Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

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

Acute oral toxicity (Components)

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine

Species	rat	
LD50	> 243	mg/kg
Method	OECD 401	

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

evaluation	irritant
Remarks	The classification criteria are met.

Serious eye damage/irritation

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

Sensitization

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

Experience in practice

Inhalation may lead to irritation of the respiratory tract.

Other information

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

12. Ecological information

12.1. Toxicity

General information

not determined

Fish toxicity (Components)

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine

Species	zebra fish (Brachydanio rerio)				
LC50		0,1	to	1	mg/l
Duration of exposure		96	h		
Method	OECD 203				

fatty alkoholethoxylate-n-butylether

Species	golden orfe (Leuciscus idus)				
LC50		0,6			mg/l
Method	DIN 38412 / Part 15				

Daphnia toxicity (Components)

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine

Species	Daphnia magna				
EC50		0,01	to	0,1	mg/l
Duration of exposure		48	h		
Method	OECD 202				

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine

Species	Daphnia magna				
NOEC		0,01	to	0,1	mg/l
Duration of exposure		221	d		
Method	OECD 211				

Algae toxicity (Components)

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine

Species	Scenedesmus subspicatus				
EC50		0,01	to	0,1	mg/l
Duration of exposure		72	h		
Method	OECD 201				

fatty alkoholethoxylate-n-butylether

Species	Scenedesmus subspicatus				
EC50	>=	0,1	to	1	mg/l
Duration of exposure		72	h		
Method	OECD 201				

Bacteria toxicity (Components)

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine

Species	activated sludge				
EC50		18			mg/l
Duration of exposure		3	h		
Method	OECD 209				

12.2. Persistence and degradability

General information

not determined

12.3. Bioaccumulative potential

General information

not determined

Partition coefficient: n-octanol/water

Remarks not determined

12.4. Mobility in soil

General information

not determined

12.5. Results of PBT and vPvB assessment

Evaluation of persistance and bioaccumulation potential

The product contains no PBT or vPvB substances.

12.6. Other adverse effects

General information

not determined

General information / ecology

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Do not discharge product unmonitored into the environment.

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.

14. Transport information

	Land transport TDG	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN 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. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

15. Regulatory information

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

Other information

The product does not contain substances of very high concern (SVHC).

15.2. Chemical safety assessment

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

16. Other information

Hazard statements listed in Chapter 3

H301	Toxic if swallowed.
H310	Fatal in contact with skin.
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.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
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.

CLP categories listed in Chapter 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
Eye Irrit. 2	Eye irritation, Category 2
Skin Corr. 1	Skin corrosion, Category 1
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Corr. 1C	Skin corrosion, Category 1C
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1A	Skin sensitization, Category 1A
STOT RE 2	Specific target organ toxicity - repeated exposure, Category 2

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
IBC: Intermediate Bulk Container
CAS: Chemical Abstracts Service
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
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978 (MARPOL: Marine Pollution)
ISO: International Organization for Standardization
OECD: Organisation for Economic Co-operation and Development
IMO: International Maritime Organization
UN: United Nations
EU: European Union

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.