

# neodisher Z

Version: 4 / GB

Replaces Version: 3 / GB

Date revised: 13.04.2022

Print date: 14.04.22

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

### 1.1. Product identifier

neodisher Z

### 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:

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

#### E-mail address of person responsible for this SDS:

sida@drweigert.de

### 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)

|                   |      |
|-------------------|------|
| Eye Irrit. 2      | H319 |
| Skin Sens. 1      | H317 |
| Aquatic Chronic 3 | H412 |

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.               |
| H319 | Causes serious eye irritation.                     |
| H412 | Harmful to aquatic life with long lasting effects. |

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## Precautionary statements

|                |   |
|----------------|---|
| P273           | Avoid release to the environment.   |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.  |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  |
| P337+P313      | If eye irritation persists: Get medical advice/attention.<br>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-octyl-2H-isothiazol-3-one

## 2.3. Other hazards

No special hazards have to be mentioned. The product contains no PBT or vPvB substances.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients

##### citric acid

|  |                  |      |    |   |  |
|--|------------------|------|----|---|--|
| CAS No.  | 77-92-9          |      |    |   |  |
| EINECS no.                                     | 201-069-1        |      |    |   |  |
| Registration no.                               | 01-2119457026-42 |      |    |   |  |
| Concentration                                  | >= 25            | <    | 50 | % |  |
| Classification (Regulation (EC) No. 1272/2008) | Eye Irrit. 2     | H319 |    |   |  |

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

|  |                   |      |       |   |                               |
|--|-------------------|------|-------|---|-------------------------------|
| CAS No.  | 26530-20-1        |      |       |   |                               |
| EINECS no.                                     | 247-761-7         |      |       |   |                               |
| Concentration                                  | >= 0,0025         | <    | 0,025 | % |                               |
| 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

## SECTION 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.

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## 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.

## SECTION 5: Firefighting 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.

## SECTION 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.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

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## 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 > -3 < 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 classes

Storage class according to TRGS 510 10-13 Other combustible and non-combustible substances

## 7.3. Specific end use(s)

no data

## SECTION 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

Appropriate Material

Material thickness

Breakthrough time

Appropriate Material

Material thickness

Breakthrough time

Appropriate Material

Material thickness

Breakthrough time

Use

Appropriate Material

Material thickness

Hand protection must comply with EN 374.

Permanent hand contact

neoprene

>= 0,65

mm

> 480

min

nitrile

>= 0,4

mm

> 480

min

butyl

>= 0,7

mm

> 480

min

Short-term hand contact

nitrile

>= 0,11

mm

#### Eye protection

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

#### Body protection

Clothing as usual in the chemical industry.

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |                             |
|---|-----------------------------|
| <b>Form</b>   | liquid                      |
| <b>Colour</b>                                       | colourless                  |
| <b>Odour</b>  | odourless                   |
| <b>Odour threshold</b>                              |                             |
| Remarks   | not determined              |
| <b>pH value</b>                                     |                             |
| Value   | appr. 1,0                   |
| Temperature   | 20 °C                       |
| <b>Melting point</b>                                |                             |
| Remarks   | not determined              |
| <b>Freezing point</b>                               |                             |
| Remarks   | not determined              |
| <b>Initial boiling point and boiling range</b>      |                             |
| Value   | > 100 °C                    |
| <b>Flash point</b>                                  |                             |
| Remarks   | Not applicable              |
| <b>Evaporation rate (ether = 1) :</b>               |                             |
| Remarks   | not determined              |
| <b>Flammability (solid, gas)</b>                    |                             |
| evaluation  | Not applicable              |
| <b>Upper/lower flammability or explosive limits</b> |                             |
| Remarks   | Not applicable              |
| <b>Vapour pressure</b>                              |                             |
| Remarks   | not determined              |
| <b>Vapour density</b>                               |                             |
| Remarks   | not determined              |
| <b>Density</b>                                      |                             |
| Value   | 1,17 g/cm <sup>3</sup>      |
| Temperature   | 20 °C                       |
| <b>Solubility in water</b>                          |                             |
| Remarks   | miscible in all proportions |
| <b>Solubility(ies)</b>                              |                             |
| Remarks   | not determined              |
| <b>Partition coefficient: n-octanol/water</b>       |                             |
| Remarks   | not determined              |
| <b>Ignition temperature</b>                         |                             |
| Remarks   | Not applicable              |
| <b>Decomposition temperature</b>                    |                             |
| Remarks   | not determined              |
| <b>Viscosity</b>                                    |                             |
| <b>dynamic</b>                                      |                             |
| Value   | < 10 mPa.s                  |
| Temperature   | 20 °C                       |

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## Explosive properties

evaluation no

## Oxidising properties

evaluation None known

## 9.2. Other information

### 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

Reactions with alkalis.

### 10.6. Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 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)

##### citric acid

Species rat  
LD50 11700 mg/kg

##### citric acid

Species mouse  
LD50 5040 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.

#### Serious eye damage/irritation

evaluation irritant  
Remarks The classification criteria are met.

#### Sensitization

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

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## 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.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### General information

not determined

#### Fish toxicity (Components)

##### citric acid

|                      |                                       |    |          |
|----------------------|---------------------------------------|----|----------|
| Species              | golden orfe ( <i>Leuciscus idus</i> ) |    |          |
| LC50                 | 440                                   | to | 706 mg/l |
| Duration of exposure | 96                                    | h  |          |

#### Daphnia toxicity (Components)

##### citric acid

|                      |               |   |      |
|----------------------|---------------|---|------|
| Species              | Daphnia magna |   |      |
| EC50                 | 120           |   | mg/l |
| Duration of exposure | 72            | h |      |

### 12.2. Persistence and degradability

#### General information

not determined

#### Ready degradability (Components)

##### citric acid

### 12.3. Bioaccumulative potential

#### General information

not determined

#### Partition coefficient: n-octanol/water

Remarks not determined

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## 12.4. Mobility in soil

### General information

not determined

## 12.5. Results of PBT and vPvB assessment

### Evaluation of persistence and bioaccumulation potential

The product contains no PBT or vPvB substances.

## 12.6. Other adverse effects

### General information

not determined

### General information / ecology

Do not allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations for the product

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

#### 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

|                 | Land transport ADR/RID   | 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

## SECTION 15: Regulatory information

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

#### Ingredients (Regulation (EC) No 648/2004)

##### Further ingredients

preservation agents: 2-octyl-2H-isothiazol-3-one

#### VOC

VOC (EU) 0 %



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## 15.2. Chemical safety assessment

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

## SECTION 16: Other information

### Hazard statements listed in Chapter 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.                            |
| H319 | Causes serious eye irritation.                        |
| H330 | Fatal if inhaled.                                     |
| 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 Sens. 1A     | Skin sensitization, Category 1A                           |

### 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.