

# niroklar 3000

Version: 2 / GB

Replaces Version: 1 / GB

Date revised: 24.02.2023

Print date: 13.10.23

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

### 1.1. Product identifier

niroklar 3000

### 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)

Met. Corr. 1	H290
Skin Corr. 1A	H314
Eye Dam. 1	H318
Acute Tox. 4	H332

Route of exposure: inhalative

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

Danger

#### Hazard statements

H290	May be corrosive to metals.
H332	Harmful if inhaled.
H314	Causes severe skin burns and eye damage.

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EUH071 Corrosive to the respiratory tract.

## Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 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 nitric acid

## 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

##### nitric acid

CAS No.	7697-37-2				
EINECS no.	231-714-2				
Registration no.	01-2119487297-23				
Concentration	>= 13	<	25		%
Classification (Regulation (EC) No. 1272/2008)					
	Ox. Liq. 2		H272		
	Met. Corr. 1		H290		
	Acute Tox. 1		H330		
	Skin Corr. 1A		H314		

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

	Ox. Liq. 2	H272	>= 99 %
	Ox. Liq. 3	H272	>= 70 < 99 %
cATpE	inhalative, Dust/Mist	0,005	mg/l
ATE	inhalative, Vapors	2,65	mg/l

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note B

##### decyldimethylamine oxide

CAS No.	2605-79-0				
EINECS no.	220-020-5				
Registration no.	01-2119959297-22				
Concentration	>= 0,1	<	1		%
Classification (Regulation (EC) No. 1272/2008)					
	Acute Tox. 4		H302		
	Eye Dam. 1		H318		
	Aquatic Acute 1		H400		
	Aquatic Chronic 2		H411		

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## 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. Clean body thoroughly (bath, shower). In any case show the physician the Safety Data Sheet.

#### After inhalation

Ensure supply of fresh air. When spray fog inhaled, seek medical aid.

#### After skin contact

After contact with skin, wash immediately with plenty of water. Take medical treatment.

#### After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Summon a doctor immediately.

#### After ingestion

If swallowed, seek medical advice immediately and show this container or label. Rinse mouth thoroughly with water. Let plenty of water be drunk in small gulps. Do not induce vomiting.

#### 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

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## 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. Do not discharge into the subsoil/soil.

## 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

#### 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 classes

Storage class according to TRGS 510 8B Non-combustible corrosive hazardous substances

#### Further information on storage conditions

Protect from heat and direct sunlight.

### 7.3. Specific end use(s)

no data

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limit values

##### nitric acid

List	EH40			
Type	WEL			
Short term exposure limit	2.6	mg/m <sup>3</sup>	1	ppm(V)

##### nitric acid

List	IOELV			
Type	IOELV			
Short term exposure limit	2,6	mg/m <sup>3</sup>	1	ppm(V)

#### Other information

There are not known any further control parameters.

### 8.2. Exposure controls

#### General protective and hygiene measures

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Hold eye wash fountain available. Hold emergency shower 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. Clean skin thoroughly after work; apply skin cream.

## Respiratory protection

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 butyl

Material thickness  $\geq$  0,7 mm

Breakthrough time  $>$  480 min

Appropriate Material neoprene

Material thickness  $\geq$  0,65 mm

Breakthrough time  $>$  240 min

Use Short-term hand contact

Appropriate Material nitrile

Material thickness  $\geq$  0,28 mm

Breakthrough time  $>$  60 min

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. Protective shoes

## SECTION 9: Physical and chemical properties

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

**Physical state** liquid

**Colour** colourless, clear

**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 applicable

#### Upper and lower explosive limits

Remarks Not applicable

#### Flash point

Remarks Not applicable

#### Ignition temperature

Remarks Not applicable

#### Decomposition temperature

Remarks  
Remarks not determined

#### pH value

Value 0  
Temperature 20 °C

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## Viscosity

Remarks not determined

## 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 1,15 g/cm<sup>3</sup>  
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

evaluation oxidizing

### 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 alkalies. Forms nitrous gases and hydrogen on action upon metals.

### 10.6. Hazardous decomposition products

Nitrous gases

## SECTION 11: Toxicological information

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

#### Acute oral toxicity

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ATE > 2000 mg/kg  
Method calculated value (Regulation (EC) No. 1272/2008)  
Remarks Based on available data, the classification criteria are not met.

## Acute dermal toxicity

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

## Acute inhalational toxicity

ATE 10,6 mg/l  
Administration/Form Vapors  
Method calculated value (Regulation (EC) No. 1272/2008)  
Remarks The classification criteria are met.

## Acute inhalative toxicity (Components)

### nitric acid

Species rat  
> 2,65 mg/l  
Duration of exposure 4 h  
Administration/Form Vapors  
Method OECD 403  
Source ECHA

## Skin corrosion/irritation

evaluation corrosive  
Remarks The classification criteria are met.

## Serious eye damage/irritation

evaluation corrosive  
Remarks The classification criteria are 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.

## 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.

### Experience in practice

Inhalation may lead to irritation of the respiratory tract.

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## 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)

##### decyldimethylamine oxide

Species	zebra fish ( <i>Brachydanio rerio</i> )	
LC50	31,8	mg/l

##### nitric acid

Species	rainbow trout ( <i>Oncorhynchus mykiss</i> )	
LC50	12,5	mg/l
Duration of exposure	96	h
Method	OECD 203	

#### Daphnia toxicity (Components)

##### decyldimethylamine oxide

Species	Daphnia magna	
EC50	3,43	mg/l
Duration of exposure	48	h

##### nitric acid

Species	Ceriodaphnia spec	
EC50	4,6	mg/l
Duration of exposure	48	h

#### Algae toxicity (Components)

##### decyldimethylamine oxide

Species	Pseudokirchneriella subcapitata	
EC50	0,16	mg/l
Duration of exposure	72	h
Method	OECD 201	

#### Bacteria toxicity (Components)

##### nitric acid

EC0	794	mg/l
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### 12.2. Persistence and degradability

#### General information

not determined

### 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



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## 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

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.

## 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 of in agreement with the regional waste disposal company.

## SECTION 14: Transport information



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	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	E		
IMDG-Code segregation group		1 Acids	
14.1. UN number or ID number	2031	2031	2031
14.2. UN proper shipping name	NITRIC ACID	NITRIC ACID	NITRIC ACID
14.3. Transport hazard class(es)	8	8	8
Label			
14.4. Packing group	II	II	II
Limited Quantity	1 I	1 I	
Transport category	2		
14.5. Environmental hazards		no	

## 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

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

less than 5 %:

phosphates, non-ionic surfactants

#### VOC

VOC (EU) 0 %

#### Other information

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

Acquisition, introduction, possession or use of this product by the general public is restricted by Regulation (EU) 2019/1148. All suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point.

### 15.2. Chemical safety assessment

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

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## 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)

Met. Corr. 1	H290
Skin Corr. 1A	H314
Eye Dam. 1	H318
Acute Tox. 4	H332

### Hazard statements listed in Chapter 2/3

H272	May intensify fire; oxidizer.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

### CLP categories listed in Chapter 2/3

Acute Tox. 1	Acute toxicity, Category 1
Acute Tox. 4	Acute toxicity, Category 4
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Eye Dam. 1	Serious eye damage, Category 1
Met. Corr. 1	Substance or mixture corrosive to metals, Category 1
Ox. Liq. 2	Oxidising liquid, Category 2
Skin Corr. 1A	Skin corrosion, 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  
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  
CAS: Chemical Abstracts Service  
VOC: Volatile Organic Compound  
ISO: International Organization for Standardization  
LD: Lethal dose  
LC: Lethal concentration  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: Very persistent and very bioaccumulative  
SVHC: Substances of very high concern  
OECD: Organisation for Economic Co-operation and Development  
REACH: Registration, Evaluation, Autohorisation and Restriction of Chemicals  
UN: United Nations

### 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.