

# neodisher Alka 600

Version: 3 / GB

Replaces Version: 2 / GB

Date revised: 07.08.2019

Print date: 20.01.23

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

### 1.1. Product identifier

neodisher Alka 600

### 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. 1B	H314
Eye Dam. 1	H318
Aquatic Acute 1	H400
Aquatic Chronic 2	H411

### 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.
H314	Causes severe skin burns and eye damage.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

# neodisher Alka 600

Version: 3 / GB

Replaces Version: 2 / GB

Date revised: 07.08.2019

Print date: 20.01.23

## Precautionary statements

P273	Avoid release to the environment.
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].
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	potassium silicate; potassium hydroxide ...%; sodium hypochlorite, solution... % Cl active
----------	---

## Supplemental information

### Further supplemental information

Contact with acids liberates toxic gas.

## 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

##### potassium silicate

CAS No.	1312-76-1
EINECS no.	215-199-1
Registration no.	01-2119456888-17
Concentration	$\geq 10$ < 25 %
Classification (Regulation (EC) No. 1272/2008)	
Met. Corr. 1	H290
Skin Corr. 1B	H314
Eye Dam. 1	H318

##### potassium hydroxide ...%

CAS No.	1310-58-3
EINECS no.	215-181-3
Registration no.	01-2119487136-33
Concentration	$\geq 1$ < 10 %
Classification (Regulation (EC) No. 1272/2008)	
Acute Tox. 4	H302
Skin Corr. 1A	H314

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

Eye Irrit. 2	H319	$\geq 0,5 < 2$ %
Skin Corr. 1A	H314	$\geq 5$ %
Skin Corr. 1B	H314	$\geq 2 < 5$ %
Skin Irrit. 2	H315	$\geq 0,5 < 2$ %

##### sodium hypochlorite, solution... % Cl active

CAS No.	7681-52-9
---------	-----------

# neodisher Alka 600

Version: 3 / GB

Replaces Version: 2 / GB

Date revised: 07.08.2019

Print date: 20.01.23

EINECS no. 231-668-3  
Registration no. 01-2119488154-34  
Concentration  $\geq 1$  < 10 %  
Classification (Regulation (EC) No. 1272/2008)  
Skin Corr. 1B H314  
Eye Dam. 1 H318  
Aquatic Acute 1 H400  
Aquatic Chronic 1 H410

Concentration limits (Regulation (EC) No. 1272/2008)  
EUH031  $\geq 5$  %  
Aquatic Acute 1 M = 10  
Aquatic Chronic 1 M = 1

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

## 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

# neodisher Alka 600

Version: 3 / GB

Replaces Version: 2 / GB

Date revised: 07.08.2019

Print date: 20.01.23

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

#### 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 > -10 < 25 °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 8B Non-combustible corrosive hazardous substances  
TRGS 510

#### Further information on storage conditions

Protect from heat and direct sunlight. Do not keep the container sealed.

### 7.3. Specific end use(s)

no data

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

# neodisher Alka 600

Version: 3 / GB

Replaces Version: 2 / GB

Date revised: 07.08.2019

Print date: 20.01.23

## Exposure limit values

### potassium hydroxide ...%

List	EH40	
Type	WEL	
Short term exposure limit	2	mg/m <sup>3</sup>

## Other information

There are not known any further control parameters.

## 8.2. Exposure controls

### General protective and hygiene measures

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. Short term: filter apparatus, combination filter B-P3

### 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

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	yellow	
Odour	characteristic	
Melting point		
Remarks	not determined	
Freezing point		
Remarks	not determined	
Boiling point or initial boiling point and boiling range		
Value	appr. 100	°C
Flammability		
evaluation	Not applicable	

# neodisher Alka 600

Version: 3 / GB

Replaces Version: 2 / GB

Date revised: 07.08.2019

Print date: 20.01.23

## 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 appr. 14  
Temperature 20 °C

## 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 1,37 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 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

# neodisher Alka 600

Version: 3 / GB

Replaces Version: 2 / GB

Date revised: 07.08.2019

Print date: 20.01.23

No hazardous reactions known.

## 10.3. Possibility of hazardous reactions

No hazardous reactions known.

## 10.4. Conditions to avoid

Do not keep the container sealed. Protect from heat and direct sunlight.

## 10.5. Incompatible materials

Strong exothermic reaction with acids. Evolution of chlorine under influence of acids. Corrodes aluminium.

## 10.6. Hazardous decomposition products

Chlorine, Irritant gases/vapours

## SECTION 11: Toxicological information

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

#### Acute oral toxicity

Species	rat	
LD50	> 2000	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

#### Acute oral toxicity (Components)

##### potassium hydroxide ...%

Species	rat	
LD50	333	mg/kg

##### sodium hypochlorite, solution... % Cl active

Species	rat	
LD50	1100	mg/kg

#### Acute dermal toxicity

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

#### Acute dermal toxicity (Components)

##### sodium hypochlorite, solution... % Cl active

Species	rabbit	
LD50	> 20000	mg/kg
Method	OECD 402	

#### Acute inhalational toxicity

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

#### Skin corrosion/irritation

evaluation corrosive

#### Serious eye damage/irritation

evaluation corrosive

#### 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

# neodisher Alka 600

Version: 3 / GB

Replaces Version: 2 / GB

Date revised: 07.08.2019

Print date: 20.01.23

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

## Specific Target Organ Toxicity (STOT)

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.

### 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 hypochlorite, solution... % Cl active

Species	rainbow trout ( <i>Oncorhynchus mykiss</i> )	
LC50	0,06	mg/l
Duration of exposure	96	h

#### Daphnia toxicity (Components)

##### sodium hypochlorite, solution... % Cl active

Species	Daphnia magna	
EC50	0,141	mg/l
Duration of exposure	48	h
Method	OECD 202	

#### Bacteria toxicity (Components)

##### sodium hypochlorite, solution... % Cl active

Species	activated sludge	
EC50	77,1	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 (log value)

Remarks not determined

### 12.4. Mobility in soil

#### General information



# neodisher Alka 600

Version: 3 / GB

Replaces Version: 2 / GB

Date revised: 07.08.2019

Print date: 20.01.23

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 or 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 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

EWC waste code	18 01 06*	chemicals consisting of or containing dangerous substances
EWC waste code	20 01 15*	alkalines
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







# neodisher Alka 600

Version: 3 / GB

Replaces Version: 2 / GB

Date revised: 07.08.2019

Print date: 20.01.23

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	E		
IMDG-Code segregation group		18 Alkalis	
14.1. UN number or ID number	1719	1719	1719
14.2. UN proper shipping name	CAUSTIC ALKALI LIQUID, N.O.S. (potassium hydroxide ...%, sodium hypochlorite, solution... % Cl active)	CAUSTIC ALKALI LIQUID, N.O.S. (potassium hydroxide ...%, sodium hypochlorite, solution... % Cl active)	CAUSTIC ALKALI LIQUID, N.O.S. (potassium hydroxide ...%, sodium hypochlorite, solution... % Cl active)
14.3. Transport hazard class(es)	8	8	8
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 I	5 I	
Transport category	3		
14.5. Environmental hazards	 ENVIRONMENTALLY HAZARDOUS	Marine Pollutant  ENVIRONMENTALLY HAZARDOUS	 ENVIRONMENTALLY HAZARDOUS

## 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

#### Major-accident categories acc. 2012/18/EU

Category	41	sodium hypochlorite	200	tonne	500	tonne
				s		s

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

# neodisher Alka 600

Version: 3 / GB

Replaces Version: 2 / GB

Date revised: 07.08.2019

Print date: 20.01.23

## 15 % or over but less than 30 %:

phosphates

## less than 5 %:

chlorine-based bleaching agents

### Water Hazard Class (Germany)

Water Hazard Class (Germany) WGK 2

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

### VOC

VOC (EU) 0 %

### 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.

## 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. 1B	H314
Eye Dam. 1	H318
Aquatic Acute 1	H400
Aquatic Chronic 2	H411

### Hazard statements listed in Chapter 2/3

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
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.

### CLP categories listed in Chapter 2/3

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
Eye Dam. 1	Serious eye damage, Category 1
Met. Corr. 1	Substance or mixture corrosive to metals, Category 1
Skin Corr. 1A	Skin corrosion, Category 1A
Skin Corr. 1B	Skin corrosion, Category 1B

### 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



## neodisher Alka 600

Version: 3 / GB

Replaces Version: 2 / GB

Date revised: 07.08.2019

Print date: 20.01.23

PBT: Persistent, Bioaccumulative and Toxic  
vPvB: Very persistent and very bioaccumulative  
SVHC: Substances of very high concern  
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.