

# neomoscan FA 7

Version: 2 / GB

Replaces Version: 1 /  
GB

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

### 1.1. Product identifier

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

#### Use of the substance/preparation

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

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

## 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 |

### 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. |

#### Precautionary statements

|                |   |
|----------------|---|
| 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/shower. |

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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 hydroxide

### 2.3. Other hazards

No special hazards have to be mentioned.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients

##### potassium hydroxide

|  |                  |   |      |   |  |
|--|------------------|---|------|---|--|
| CAS No.  | 1310-58-3        |   |      |   |  |
| EINECS no.                                     | 215-181-3        |   |      |   |  |
| Registration no.                               | 01-2119487136-33 |   |      |   |  |
| Concentration                                  | >= 10            | < | 25   | % |  |
| Classification (Regulation (EC) No. 1272/2008) |                  |   |      |   |  |
|  | Acute Tox. 4     |   | H302 |   |  |
|  | Skin Corr. 1A    |   | H314 |   |  |
|  | Met. Corr. 1     |   | H290 |   |  |

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

|               |      |            |
|---------------|------|------------|
| Skin Corr. 1B | H314 | >= 2 < 5   |
| Skin Corr. 1A | H314 | >= 5       |
| Skin Irrit. 2 | H315 | >= 0,5 < 2 |
| Eye Irrit. 2  | H319 | >= 0,5 < 2 |

## 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.

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## 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

#### 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.

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## Storage class according to TRGS 510

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

## 7.3. Specific end use(s)

no data

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limit values

##### potassium hydroxide

|                           |      |                   |
|---------------------------|------|-------------------|
| List                      | EH40 |                   |
| Type                      | WEL  |                   |
| Short term exposure limit | 2    | mg/m <sup>3</sup> |
| Status:                   | 2011 |                   |

#### 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. Particle filter P2

#### Hand protection

|                                    |                         |         |
|------------------------------------|-------------------------|---------|
| Chemical resistant gloves (EN 374) |                         |         |
| 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 |

#### Eye protection

Safety glasses with side protection shield (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

|        |                |
|--------|----------------|
| Form   | liquid         |
| Colour | light yellow   |
| Odour  | characteristic |

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## Odour threshold

Remarks not determined

## pH value

Value appr. 14  
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 determined

## Upper/lower flammability or explosive limits

Remarks not determined

## Vapour pressure

Remarks not determined

## Vapour density

Remarks not determined

## Density

Value 1,38 g/cm<sup>3</sup>  
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 determined

## Decomposition temperature

Remarks not determined

## Viscosity

Remarks not determined

## Explosive properties

evaluation not determined

## Oxidising properties

evaluation None known

## 9.2. Other information

### Other information

None known

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## 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.

#### Decomposition temperature

Remarks not determined

### 10.5. Incompatible materials

Corrodes aluminium. Strong exothermic reaction with acids.

### 10.6. Hazardous decomposition products

Irritant gases/vapours

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### 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 |

#### 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 strongly corrosive

#### Serious eye damage/irritation

evaluation strongly 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

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

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## Specific Target Organ Toxicity (STOT)

Remarks not determined

## Aspiration hazard

No special hazards have to be mentioned.

## 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)

##### potassium hydroxide

|                      |    |   |      |
|----------------------|----|---|------|
| LC50                 | 80 |   | mg/l |
| Duration of exposure | 24 | h |      |

### 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

#### General information

not determined

#### 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

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

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## 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                  | 1814   | 1814  | 1814   |
| 14.2. UN proper shipping name    | POTASSIUM HYDROXIDE SOLUTION   | POTASSIUM HYDROXIDE SOLUTION  | POTASSIUM HYDROXIDE SOLUTION   |
| 14.3. Transport hazard class(es) | 8  | 8   | 8  |
| Label                            |  |  |  |
| 14.4. Packing group              | II   | II  | II   |
| Limited Quantity                 | 1 I  |   |  |
| Transport category               | 2  |   |  |
| 14.5. Environmental hazards      |  | no  |  |
| Tunnel restriction code          | E  |   |  |
| IMDG-Code segregation group      |  | 18 Alkalis  |  |

## 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)

less than 5 %:

phosphates, non-ionic surfactants, amphoteric surfactants

#### Water Hazard Class (Germany)

Water Hazard Class      WGK 1



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(Germany)  
Remarks

Classification according to Annex 4 VwVwS

## 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

### Hazard statements listed in Chapter 3

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

### CLP categories listed in Chapter 3

|               |  |
|---------------|--|
| Acute Tox. 4  | Acute toxicity, Category 4                           |
| Met. Corr. 1  | Substance or mixture corrosive to metals, Category 1 |
| Skin Corr. 1A | Skin corrosion, Category 1A                          |

### 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.