

neomoscan FA 6

Version: 3 / GB

Replaces Version: 2 / GB

Date revised: 14.07.2023

Print date: 25.08.23

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

1.1. Product identifier

neomoscan FA 6

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

STOT SE 3 H335

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

neomoscan FA 6

Version: 3 / GB

Replaces Version: 2 / GB

Date revised: 14.07.2023

Print date: 25.08.23

Hazard statements

H290 May be corrosive to metals.
 H314 Causes severe skin burns and eye damage.
 H335 May cause respiratory irritation.

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 *** potassium hydroxide; 2-aminoethanol; alkylether carboxylic 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 ***

2-aminoethanol

CAS No.	141-43-5			
EINECS no.	205-483-3			
Registration no.	01-2119486455-28			
Concentration	>= 1	<	10	%
Classification (Regulation (EC) No. 1272/2008)				
	Acute Tox. 4	H302		Route of exposure: oral
	Acute Tox. 4	H312		Route of exposure: dermal
	Acute Tox. 4	H332		Route of exposure: inhalative
	Skin Corr. 1B	H314		
	Eye Dam. 1	H318		
	STOT SE 3	H335		Route of exposure: inhalative
	Aquatic Chronic 3	H412		

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

		STOT SE 3	H335	>= 5 %
ATE	oral		1.089	mg/kg
cATpE	dermal		1.100	mg/kg
cATpE	inhalative, Dust/Mist		1,5	mg/l

potassium hydroxide

CAS No.	1310-58-3			
EINECS no.	215-181-3			
Registration no.	01-2119487136-33			
Concentration	>= 1	<	5	%

neomoscan FA 6

Version: 3 / GB

Replaces Version: 2 / GB

Date revised: 14.07.2023

Print date: 25.08.23

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

Met. Corr. 1	H290
Acute Tox. 4	H302
Skin Corr. 1A	H314
Eye Dam. 1	H318

Route of exposure: oral

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

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

ATE oral 333 mg/kg

2-(2-butoxyethoxy)ethanol

CAS No.	112-34-5
EINECS no.	203-961-6
Registration no.	01-2119475104-44
Concentration	>= 1 < 10 %
Classification (Regulation (EC) No. 1272/2008)	Eye Irrit. 2 H319

fatty alcohols, ethoxylated

CAS No.	68920-66-1
EINECS no.	500-236-9
Concentration	>= 1 < 10 %
Classification (Regulation (EC) No. 1272/2008)	Skin Irrit. 2 H315 Aquatic Acute 1 H400 Aquatic Chronic 3 H412

sodium cumenesulfonate

CAS No.	15763-76-5
EINECS no.	239-854-6
Registration no.	01-2119489411-37
Concentration	>= 1 < 10 %
Classification (Regulation (EC) No. 1272/2008)	Eye Irrit. 2 H319

alkylether carboxylic acid

CAS No.	53563-70-5
Concentration	>= 1 < 10 %
Classification (Regulation (EC) No. 1272/2008)	Eye Dam. 1 H318

fatty alcohol, ethoxylated

CAS No.	146340-16-1
EINECS no.	604-522-5
Concentration	>= 0,1 < 1 %
Classification (Regulation (EC) No. 1272/2008)	Skin Irrit. 2 H315 Aquatic Acute 1 H400 Aquatic Chronic 3 H412

Other information

Complete text of hazard statements in chapter 16

neomoscan FA 6

Version: 3 / GB

Replaces Version: 2 / GB

Date revised: 14.07.2023

Print date: 25.08.23

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

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

neomoscan FA 6

Version: 3 / GB

Replaces Version: 2 / GB

Date revised: 14.07.2023

Print date: 25.08.23

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.

Storage classes

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 ³		

2-(2-butoxyethoxy)ethanol

List	EH40			
Type	WEL			
Value	67.5	mg/m ³	10	ppm(V)
Short term exposure limit	101.2	mg/m ³	15	ppm(V)

2-(2-butoxyethoxy)ethanol

List	IOELV			
Type	IOELV			
Value	67,5	mg/m ³	10	ppm(V)
Short term exposure limit	101,2	mg/m ³	15	ppm(V)

2-aminoethanol

List	EH40			
Type	WEL			
Value	2.5	mg/m ³	1	ppm(V)
Short term exposure limit	7.6	mg/m ³	3	ppm(V)

Skin resorption / sensibilisation: Sk; Remarks: Sk

neomoscan FA 6

Version: 3 / GB

Replaces Version: 2 / GB

Date revised: 14.07.2023

Print date: 25.08.23

2-aminoethanol

List	IOELV			
Type	IOELV			
Value	2,5	mg/m ³	1	ppm(V)
Short term exposure limit	7,6	mg/m ³	3	ppm(V)
Skin resorption / sensibilisation: Sk; Remarks: Skin				

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				
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 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, clear
Colour	colourless to yellowish
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	

neomoscan FA 6

Version: 3 / GB

Replaces Version: 2 / GB

Date revised: 14.07.2023

Print date: 25.08.23

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 13,9
Temperature 20 °C

Viscosity

dynamic

Value < 10 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 1,06 g/cm³
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.

neomoscan FA 6

Version: 3 / GB

Replaces Version: 2 / GB

Date revised: 14.07.2023

Print date: 25.08.23

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

None known

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

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

Acute oral toxicity

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

Acute oral toxicity (Components)

potassium hydroxide ...%

Species	rat		
LD50		333	mg/kg

2-aminoethanol

Species	rat		
LD50		1089	mg/kg
Method	OECD 401		

sodium cumenesulfonate

Species	rat		
LD50	>	2000	mg/kg
Method	OECD 401		

fatty alcohol, ethoxylated

Species	rat		
LD50	>	2000	mg/kg

alkylether carboxylic acid

Reference substance	alkylether carboxylic acid		
Species	rat		
LD50	>	2000	mg/kg

Acute dermal toxicity

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

Acute inhalative toxicity (Components)

2-aminoethanol

Species	rat		
LC50		1487	mg/m ³
Duration of exposure		4	h
Administration/Form	Vapors		

neomoscan FA 6

Version: 3 / GB

Replaces Version: 2 / GB

Date revised: 14.07.2023

Print date: 25.08.23

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.

Sensitization (Components)

2-aminoethanol
evaluation non-sensitizing

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
evaluation
Remarks May cause respiratory irritation.
The classification criteria are 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.

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 ...%
Species mosquito fish
LC50 80 mg/l
Duration of exposure 24 h
Source ECHA

neomoscan FA 6

Version: 3 / GB

Replaces Version: 2 / GB

Date revised: 14.07.2023

Print date: 25.08.23

2-aminoethanol

Species	carp (<i>Cyprinus carpio</i>)	
LC50	349	mg/l
Duration of exposure	96	h

2-aminoethanol

Species	goldfish (<i>Carassius auratus</i>)	
LC50	170	mg/l
Duration of exposure	96	h

fatty alcohol, ethoxylated

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

fatty alcohols, ethoxylated

Species	zebra fish (<i>Brachydanio rerio</i>)	
LC50	10	to 100
Duration of exposure	96	h
Method	OECD 203	

alkylether carboxylic acid

Reference substance	alkylether carboxylic acid	
Species	zebra fish (<i>Brachydanio rerio</i>)	
LC50	100	to 220
Duration of exposure	96	h

Daphnia toxicity (Components)

2-aminoethanol

Species	Daphnia magna	
EC50	65	mg/l
Duration of exposure	96	h

fatty alcohol, ethoxylated

LC50	1,2	mg/l
Method	DIN 38412 / Part 11	

Algae toxicity (Components)

2-aminoethanol

Species	Scenedesmus subspicatus	
EC50	22	mg/l
Duration of exposure	72	h

2-aminoethanol

Species	Selenastrum capricornutum	
EC50	2,5	mg/l
Duration of exposure	72	h
Method	OECD 201	

Bacteria toxicity (Components)

2-aminoethanol

Species	activated sludge	
EC20	> 1000	mg/l
Duration of exposure	0,5	h
Method	OECD 209	

fatty alcohols, ethoxylated

Species	activated sludge	
EC50	> 1000	mg/l
Method	OECD 209	

alkylether carboxylic acid

Species	activated sludge
---------	------------------

neomoscan FA 6

Version: 3 / GB

Replaces Version: 2 / GB

Date revised: 14.07.2023

Print date: 25.08.23

EC50	933	mg/l
Duration of exposure	3	h
Method	OECD 209	

12.2. Persistence and degradability

General information

not determined

Ready degradability (Components)

fatty alcohol, ethoxylated

Chemical oxygen demand (COD) (Components)

fatty alcohols, ethoxylated

Value	2470	mg/g
-------	------	------

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

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.

neomoscan FA 6

Version: 3 / GB

Replaces Version: 2 / GB

Date revised: 14.07.2023




Print date: 25.08.23

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

	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, 2-aminoethanol)	CAUSTIC ALKALI LIQUID, N.O.S. (potassium hydroxide, 2-aminoethanol)	CAUSTIC ALKALI LIQUID, N.O.S. (potassium hydroxide, 2-aminoethanol)
14.3. Transport hazard class(es)	8	8	8
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 l	5 l	
Transport category	3		
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 %:

non-ionic surfactants, phosphates, polycarboxylates, anionic surfactants

neomoscan FA 6

Version: 3 / GB

Replaces Version: 2 / GB

Date revised: 14.07.2023

Print date: 25.08.23

VOC

VOC (EU) 0 %

Other regulations, restrictions and prohibition regulations

Observe employment restrictions for young people.

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	Expert judgement
Skin Corr. 1B	H314	Calculation method
Eye Dam. 1	H318	Calculation method
STOT SE 3	H335	Calculation method

Hazard statements listed in Chapter 2/3

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H412	Harmful 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 3	Hazardous to the aquatic environment, chronic, Category 3
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation, Category 2
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
Skin Irrit. 2	Skin irritation, Category 2
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

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
PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very persistent and very bioaccumulative

neomoscan FA 6

Version: 3 / GB

Replaces Version: 2 / GB

Date revised: 14.07.2023

Print date: 25.08.23

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)

IBC: Intermediate Bulk Container

CAS: Chemical Abstracts Service

ISO: International Organization for Standardization

OEL: Occupational exposure limit

OECD: Organisation for Economic Co-operation and Development

UN: United Nations

IMO: International Maritime Organization

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.