neomoscan FM plus

Version: 2 / GB | Replaces Version: 1 / GB | Date revised: 19.03.2024 | Print date: 20.03.24

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

1.1. Product identifier

neomoscan FM plus

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

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)

Skin Irrit. 2	H315
Eye Dam. 1	H318

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

H315	Causes skin irritation.
H318	Causes serious eye damage.

Precautionary statements

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
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 sodium alkylbenzene sulfonate; sodium hydroxide; disodium metasilicate

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

Chemical characterization

Mixture

Hazardous ingredients

sodium alkylbenzene sulfonate

CAS No.	68411-30-3				
EINECS no.	270-115-0				
Registration no.	01-2119489428-22				
Concentration	>=	3	<	10	%

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

Acute Tox. 4	H302	Route of exposure: oral
Skin Irrit. 2	H315	
Eye Dam. 1	H318	
Aquatic Chronic 3	H412	

ATE	oral	1.080	mg/kg

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

disodium metasilicate

CAS No.	6834-92-0				
EINECS no.	229-912-9				
Registration no.	01-2119449811-37				
Concentration	>=	1	<	5	%

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

Skin Corr. 1B	H314
STOT SE 3	H335

ATE	oral	1.150	mg/kg

sodium hydroxide

CAS No.	1310-73-2
EINECS no.	215-185-5
Registration no.	01-2119457892-27

Concentration >= 0,5 < 2 %
Classification (Regulation (EC) No. 1272/2008)

Met. Corr. 1	H290
Skin Corr. 1A	H314
Eye Dam. 1	H318

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 %

decan-1-ol, ethoxylated
CAS No. 78330-20-8
Concentration >= 1 < 5
Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4	H302	Route of exposure: oral
Eye Dam. 1	H318	

Other information
Complete text of R-phrases in Chapter 16

SECTION 4: First aid measures

4.1. Description of first aid measures
General information
In case of persistent symptoms consult doctor.
After inhalation
No special measures required.
After skin contact
After contact with skin, wash immediately with plenty of water.
After eye contact
In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
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 / treatment
Treat symptomatically
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

None known

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus.

Other information

Fire residues must be disposed of in a proper manner.

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

Take up with absorbent material (eg sand, kieselguhr, universal binder).

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

No special measures required.

Storage classes

Storage class according to TRGS 510	12	Non-combustible liquids

7.3. Specific end use(s)

no data

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

sodium hydroxide

List	EH40

Type	WEL	
Short term exposure limit	2	mg/m³

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	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

Not necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	light yellow
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			

Auto-ignition temperature

Remarks	Not applicable			

Decomposition temperature

Remarks				
Remarks	not determined			

pH value

Value	appr.	13,6		
Temperature		20	°C	

Viscosity

dynamic

Value	<	100		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		1,09		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	not determined			

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

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	>	5000			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)

decan-1-ol, ethoxylated

Species	rat				
LD50	>	300	to	2000	mg/kg

disodium metasilicate

Species	rat				
LD50		1150			mg/kg

sodium cumenesulfonate

Species	rat				
LD50	>	2000			mg/kg
Method	OECD 401				

sodium alkylbenzene sulfonate

Species	rat				
LD50		1080			mg/kg
Method	OECD 401				

Acute dermal toxicity

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

Acute dermal toxicity (Components)

disodium metasilicate

Species	rat				
LD50	>	5000			mg/kg

sodium alkylbenzene sulfonate

Species	rat				
LD50	>	2000			mg/kg
Method	OECD 402				

Acute inhalational toxicity

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

Skin corrosion/irritation

evaluation	irritant
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.

Other information

The product has not been tested. The information is derived from the properties of the individual components.
Product specific toxicological data are not known.
When handled appropiately, even after long years of experience with this product, no adverse health effects are known.

SECTION 12: Ecological information

12.1. Toxicity

General information

not determined

Fish toxicity (Components)

sodium alkylbenzene sulfonate

Species	Bluegill (Lepomis macrochirus)			
LC50	1	to	10	mg/l
Duration of exposure	96	h		

decan-1-ol, ethoxylated

Species	golden orfe (Leuciscus idus)			
LC50	>	100		mg/l
Duration of exposure	96	h		
Method	DIN 38412 / Part 15			

disodium metasilicate

Species	zebra fish (Brachydanio rerio)			
LC50	210			mg/l
Duration of exposure	96	h		

sodium hydroxide

Species	rainbow trout (Oncorhynchus mykiss)			
LC50		45,4		mg/l
Duration of exposure		96	h	

Daphnia toxicity (Components)

sodium alkylbenzene sulfonate

Species	Daphnia magna			
EC50	>	10		mg/l
Duration of exposure		48	h	

decan-1-ol, ethoxylated

EC50	>	100		mg/l
Duration of exposure		48	h	
Method	DIN 38412 / Part 11			

sodium hydroxide

Species	Daphnia magna			
EC50	>	100		mg/l
Duration of exposure		48	h	

Algae toxicity (Components)

sodium alkylbenzene sulfonate

Species	Scenedesmus subspicatus				
EC50		1	to	10	mg/l
Duration of exposure		72	h		

decan-1-ol, ethoxylated

Species	Scenedesmus subspicatus			
EC50	>	100		mg/l
Duration of exposure		96	h	
Method	DIN 38412 / Part 9			

Bacteria toxicity (Components)

decan-1-ol, ethoxylated

Species	activated sludge			
EC10	>	5000		mg/l

disodium metasilicate

Species	activated sludge			
EC50	>	100		mg/l
Duration of exposure		3	h	

12.2. Persistence and degradability

General information

not determined

Ready degradability (Components)

sodium alkylbenzene sulfonate

decan-1-ol, ethoxylated

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

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 envrionment

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 20 01 29* detergents containing dangerous substances
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

EWC waste code 15 01 02 plastic packaging
Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.
Completely emptied packagings can be given for recycling.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number or ID 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. 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)

5 % or over but less than 15 %:
anionic surfactants

less than 5 %: ***
non-ionic surfactants

Further ingredients ***
perfumes, (R)-p-mentha-1,8-diene

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)

Skin Irrit. 2	H315	Calculation method
Eye Dam. 1	H318	Calculation method

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.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

CLP categories listed in Chapter 2/3

Acute Tox. 4	Acute toxicity, Category 4
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
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.