

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Nanoflex® clean & coat

Print date: 04.07.2012

Page 1 of 7

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

1.1. Product identifier

Nanoflex® clean & coat

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

Use of the substance/mixture

Cleaning agent / Coating / Polish

1.3. Details of the supplier of the safety data sheet

Company name:	Nano-Care Deutschland AG		
Street:	Alfred-Nobel-Strasse 10		
Place:	D-66793 Saarwellingen		
Telephone:	+49-6838 974 914 0	Telefax:	+49-6838974 915 0
e-mail:	marketing@nano-care.de		
Responsible Department:	Responsible for the safety data sheet: Chemie&Vorschrift, Kannheideweg 35, D-53123 Bonn-Duisdorf E-Mail: info@chemie-vorschrift.de		

1.4. Emergency telephone:

Giftnotruf Berlin
Oranienburger Str. 285, 13437 Berlin
Notruf/Beratung: +49-030 192 40

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Indications of danger : Irritant
R-phrases:
May cause sensitization by skin contact.

2.2. Label elements

Danger symbols: Xi - Irritant



Xi - Irritant

Hazardous components which must be listed on the label

Siloxanes and silicones, dimethyl, 3-(oxiranylmethoxy)propyl terminated

R phrases

43 May cause sensitization by skin contact.

S phrases

02 Keep out of the reach of children.
28 After contact with skin, wash immediately with plenty of Water .
46 If swallowed, seek medical advice immediately and show this container or label.
24/25 Avoid contact with skin and eyes.

2.3. Other hazards

May cause skin and eye irritation in susceptible persons.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Nanoflex® clean & coat

Print date: 04.07.2012

Page 2 of 7

Chemical characterization

Aqueous solution

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
	Siloxanes and silicones, dimethyl, 3-(oxiranylmethoxy)propyl terminated	5 - 10 %
102782-97-8	Xi R36/38-43	
	Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1; H319 H315 H317	
265-150-3	Naphtha (petroleum), hydrotreated heavy	5 - 10 %
64742-48-9	Xn R65-66	
	Asp. Tox. 1; H304	

Full text of R- and H-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. If symptoms persist, call a physician.

After contact with skin

Wash off immediately and for a long time with plenty of water. In case of irritation consult a physician.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lens. If eye irritation persists, consult a specialist.

After ingestion

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. If symptoms persist, call a physician.

4.2. Most important symptoms and effects, both acute and delayed

Not known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam, carbon dioxide (CO₂), dry chemical, water-spray.

Extinguishing media which must not be used for safety reasons

Not known.

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: Carbon dioxide, Carbon monoxide (CO), dust

5.3. Advice for firefighters

A self contained breathing apparatus should be worn in fire conditions.

Additional information

None

SECTION 6: Accidental release measures

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Nanoflex® clean & coat

Print date: 04.07.2012

Page 3 of 7

6.1. Personal precautions, protective equipment and emergency procedures

High risk of slipping due to leakage/spillage of product.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Inform competent authority about release into the sewerage, ground or into waters.

6.3. Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder). Shovel into suitable container for disposal.

6.4. Reference to other sections

None

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Avoid contact with the skin and the eyes. When using, do not eat, drink or smoke. Remove contaminated soaked clothing immediately. Wash hands before breaks and at the end of workday.

Advice on protection against fire and explosion

Pay attention to general rules of internal fire prevention.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

To be kept tightly closed, in a cool and dry place.

Advice on storage compatibility

Do not store together with oxidizing agents.

Further information on storage conditions

None

7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****8.2. Exposure controls****Occupational exposure controls**

Provide appropriate exhaust ventilation at machinery.

Protective and hygiene measures

Avoid contact with the skin and the eyes. When using, do not eat, drink or smoke. Remove contaminated soaked clothing immediately. Wash hands before breaks and at the end of workday.

Respiratory protection

Not required.

Hand protection

Protective gloves (EN 374). Butyl rubber - Butyl (0,5 mm), Breakthrough time > 8 h. Follow the recommendations of the glove manufacturer for breakthrough properties especially for workplace conditions involving mechanical stress and contact duration. Requirements can vary as a function of

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Nanoflex® clean & coat

Print date: 04.07.2012

Page 4 of 7

the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Eye protection

Safety goggles

Skin protection

None

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Milky - White
Odour:	Odourless

Test method

pH-Value:	n.d.
-----------	------

Changes in the physical state

Melting point:	n.d.
Boiling point:	n.d.
Flash point:	n.d.

Explosive properties

No

Lower explosion limits:	n.d.
Upper explosion limits:	
Ignition temperature:	n.d.

Oxidizing properties

None

Vapour pressure: (at 20 °C)	n.d.
--------------------------------	------

Density (at 20 °C):	1,12 g/cm ³
---------------------	------------------------

Water solubility: (at 20 °C)	Miscible
---------------------------------	----------

Solvent content:	Not applicable.
------------------	-----------------

9.2. Other information

No data available.

SECTION 10: Stability and reactivity
10.1. Reactivity

None

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Protect from frost. Protect from heat and direct solar radiation.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Nanoflex® clean & coat

Print date: 04.07.2012

Page 5 of 7

10.5. Incompatible materials

Strong oxidizing agents

10.6. Hazardous decomposition products

No decomposition if stored and applied as directed. To avoid thermal decomposition, do not overheat.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

LD50/oral/rat: No data available.

LC50/inhalation/rat: No data available.

LD50/dermal/rat: No data available.

Irritation and corrosivity

May cause skin and eye irritation in susceptible persons.

Sensitising effects

May cause sensitization by skin contact.

Severe effects after repeated or prolonged exposure

STOT - Single exposure: Not classified.

STOT - Repeated exposure: Not classified.

Aspiration hazard: Not classified.

Carcinogenic/mutagenic/toxic effects for reproduction

Carcinogenicity: Not classified.

Mutagenicity: Not classified.

Reproductive toxicity: Not classified.

Empirical data on effects on humans

None

None

Further information

Classification in compliance with the assessment procedure specified in the EC guidelines 1999/45/EG.

SECTION 12: Ecological information**12.1. Toxicity**

Ecological data are not available.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

CSB 5 (chemical oxygen demand) : No data available.

Product does not contain any organic bound halogens which could lead to AOX-values.

Further information

No data available.

SECTION 13: Disposal considerations

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Nanoflex® clean & coat

Print date: 04.07.2012

Page 6 of 7

13.1. Waste treatment methods**Advice on disposal**

Disposal in accordance with local regulations.

Waste disposal number of waste from residues/unused products

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing dangerous substances
Classified as hazardous waste.

Contaminated packaging

Disposal in accordance with local regulations. Handle in accordance with good industrial hygiene and safety practice.

SECTION 14: Transport information**Land transport (ADR/RID)****Other applicable information (land transport)**

No hazardous material as defined by the transport regulations.

Inland waterways transport**Other applicable information (inland waterways transport)**

No hazardous material as defined by the transport regulations.

Marine transport**Other applicable information (marine transport)**

No hazardous material as defined by the transport regulations.

Air transport**Other applicable information (air transport)**

No hazardous material as defined by the transport regulations.

14.5. Environmental hazards

Dangerous for the environment: no

14.6. Special precautions for user

Take the usual precautions when handling with chemicals.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

The transport takes place only in approved and appropriate packaging.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information**

Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for women of child-bearing age.

Water contaminating class (D): 1 - slightly water contaminating

Additional information

Regulation (EC) No 648/2004 (Regulation on detergents): Must be observed.
TRGS 540: Must be observed.

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Nanoflex® clean & coat

Print date: 04.07.2012

Page 7 of 7

Full text of R-phrases referred to under sections 2 and 3

- | | |
|-------|---|
| 36/38 | Irritating to eyes and skin. |
| 43 | May cause sensitization by skin contact. |
| 65 | Harmful: may cause lung damage if swallowed. |
| 66 | Repeated exposure may cause skin dryness or cracking. |

Full text of H-Statements referred to under sections 2 and 3

- | | |
|------|---|
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |

Further Information

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities. The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge. The delivery specifications are contained in the corresponding product sheet. This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations. (n.a. = not applicable; n.d. = not determined)

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)