

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

### 1.1. Product identifier

Name of product Nano 12  
Art-Nr 02.2197.00

1.2. Relevant identified uses of the substance or mixture and uses advised against  
Recommended intended purpose(s)  
polish

### 1.3. Details of the supplier of the safety data sheet

Manufacturer/distributor Yachticon A. Nagel GmbH  
Bürgermeister-Bombeck-Str. 1, D-22851 Norderstedt  
Phone +49 40 511 3780, Fax +49 40 51 74 37  
E-Mail yachticon@yachticon.de  
Internet www.yachticon.de

### Advice

Phone +49 40 511 37 80  
Fax +49 40 51 74 37  
E-mail (competent person):  
yachticon@yachticon.de

### 1.4. Emergency telephone number

Emergency advice Giftinformationszentrale Berlin  
Phone +49 (0)30 192 40  
Information in German.

## ! SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### ! Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
Flam. Liq. 3	H226	
Skin Sens. 1	H317	

#### ! Hazard statements for physical hazards

H226 Flammable liquid and vapour.

#### ! Hazard statements for health hazards

H317 May cause an allergic skin reaction.

#### ! Additional hints

This mixture is classified as hazardous according to Regulation (EC) No 1272/2008 [GHS].

### 2.2. Label elements

**Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]**



GHS02



GHS07

**! Signal word**  
Warning

**! Hazard statements for physical hazards**  
H226 Flammable liquid and vapour.

**! Hazard statements for health hazards**  
H317 May cause an allergic skin reaction.

**Precautionary Statements**

**! General**  
P102 Keep out of reach of children.

**! Prevention**  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P243 Take precautionary measures against static discharge.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**! Response**  
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

**! Disposal**  
P501 Dispose of contents/container to an approved waste handling.

**! Hazardous ingredients for labeling**  
glycidyl polydimethylsiloxane

**2.3. Other hazards**

**! Results of PBT and vPvB assessment**  
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**! SECTION 3: Composition/ information on ingredients**

**3.1. Substances**  
not applicable

**3.2. Mixtures**

**! Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/ GHS]
	918-481-9	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclic, <2% aromatics	1 - 2,5	Asp. Tox. 1, H304
107-46-0	203-492-7	hexamethyldisiloxane	2,5 - 5	Flam. Liq. 2, H225 / / Aquatic Acute 1, H400 / Aquatic Chronic 2, H411

---

**Hazardous ingredients (continued)**

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/ GHS]
102782-97-8		glycidyl polydimethylsiloxane	2,5 - 5	Skin Irrit. 2, H315 / Skin Sens. 1, H317 / Eye Irrit. 2, H319

**REACH**

CAS No	Name	REACH registration number
	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclic, <2% aromatics	01-2119457273-39-xxxx
107-46-0	hexamethyldisiloxane	01-2119496108-31-XXXX

---

**! SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**! General information**

Remove moisted clothing immediately.  
In the event of persistent symptoms receive medical treatment.

**! In case of inhalation**

Ensure of fresh air.

**! In case of skin contact**

In case of contact with skin wash off immediately with soap and water.

**! In case of eye contact**

In case of contact with eyes rinse thoroughly with water.  
Remove contact lenses.  
Call for a doctor immediately.

**In case of ingestion**

Do not induce vomiting.  
Seek medical advice immediately.  
Rinse out mouth thoroughly with water.

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

No information available.

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

No information available.

---

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Alcohol-resistant foam  
Dry fire-extinguishing substance  
Carbon dioxide  
Water spray jet

**Unsuitable extinguishing media**

Full water jet

---

### 5.2. Special hazards arising from the substance or mixture

In case of fire formation of dangerous gases possible.

Carbon monoxide (CO)

Carbon dioxide (CO<sub>2</sub>)

Under certain fire conditions traces of other toxic substances cannot be excluded.

In case of fire formation of dense black smoke.

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

#### Additional information

Burns down under strong soot production.

Cool endangered containers with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

Residues of fire and contaminated fire extinguishing water must not enter drains, surface water or groundwater.

---

## ! SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### ! For non-emergency personnel

Keep away from heat and sources of ignition.

Avoid contact with clothing, skin and eyes.

Ensure adequate ventilation / exhaust at the workplace.

### 6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

If the product contaminates the drains / surface water / ground water, inform local authorities.

### 6.3. Methods and material for containment and cleaning up

Stem and take up with absorbent material (e.g. sand, peat, earth).

Send in suitable containers for recovery or disposal.

#### Additional Information

Remove all sources of ignition. Avoid open flames.

### 6.4. Reference to other sections

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

Emergency telephone number: see section 1

---

## ! SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### ! Advice on safe handling

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

Take measures against electrostatically charging.

Avoid impact, friction and electrostatically charging; risk of ignition!

Take the usual precautions when handling with chemicals.

Avoid prolonged / repeated skin contact.

**! General protective measures**

Do not inhale vapours.  
Avoid contact with eyes and skin

**Hygiene measures**

Do not eat or drink when working.  
Clean skin thoroughly after working.  
Cloths contaminated with product should not be kept in trouser pockets.  
At work do not eat, drink and smoke.  
Remove soiled or soaked clothing immediately.  
Wash hands before breaks and after work.  
Use barrier skin cream.

**! Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking  
Vapours can form an explosive mixture with air.  
The vapours of product are heavier than air.  
Take precautionary measures against static discharges.  
Use explosion-proof equipment / fittings and non-sparking tools.

**7.2. Conditions for safe storage, including any incompatibilities**

**! Requirements for storage rooms and vessels**

Keep in closed original container.  
Floors must comply with the "Guidelines for the Prevention of  
Ignition hazards due to electrostatic charges (BGR 132) ".

**Advice on storage compatibility**

Keep away from strongly acidic and alkaline materials as well as oxidizers.

**Further information on storage conditions**

Keep container tightly closed and store at cool and aired place.  
Exclude sources of ignition - No smoking.  
Protect from heat and direct solar radiation.  
Store at 15 to 30 °C.

**Storage group** 3

**7.3. Specific end use(s)**

No information available.

---

**! SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

No information available.

**8.2. Exposure controls**

**Respiratory protection**

In case of insufficient ventilation or long-term effect use breathing apparatus.  
Short term: filter apparatus, filter A

**! Hand protection**

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Nitril, 0,4 mm, 60 min, 480 min. e.g. "Camatril Profi" (KCL GmbH, Email: Vertrieb@kcl.de)  
The selection of the suitable gloves does not only depend on different material, but also on further marks of quality and varies from manufacturer to manufacturer.  
The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

**Eye protection**

safety goggles with side protection

**! Other protection measures**

Light protective clothing, antistatic

**Appropriate engineering controls**

Ensure good ventilation, where necessary use fume hood.

**! SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

**Appearance**

liquid

**Colour**

milky

**Odour**

weak, characteristic

**Odour threshold**

not determined

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value</b>	2,5	20			
<b>boiling point</b>	82 °C				
<b>Melting point / Freezing point</b>	not determined				
<b>Flash point</b>	23 °C				
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not determined				
<b>Flammability (gas)</b>	not determined				
<b>Ignition temperature</b>	340 °C				
<b>Self ignition temperature</b>	not determined				
<b>Lower explosion limit</b>	0,8 Vol-%				
<b>Upper explosion limit</b>	38 Vol-%				
<b>Vapour pressure</b>	2,21 mbar	20 °C			
<b>Relative density</b>	1,1 g/cm <sup>3</sup>	20 °C			
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>					partially soluble
<b>Solubility/other</b>	not determined				

	Value	Temperature	at	Method	Remark
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				
<b>Decomposition temperature</b>	not determined				
<b>Viscosity dynamic</b>	71,2 mPa*s	20 °C			
<b>Oxidising properties</b>					
No information available.					
<b>Explosive properties</b>					
Could form explosive mixtures with air.					
<b>9.2. Other information</b>					
No information available.					

## ! SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

Stable under normal conditions of use.

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents, in order to avoid exothermic reactions.

### 10.4. Conditions to avoid

Heat, open flames, sparks

### 10.5. Incompatible materials

#### Substances to avoid

Alkali (lye)

Acid

Oxidising agent, strong

### 10.6. Hazardous decomposition products

Concerning possible decomposition products see section 5.

### Thermal decomposition

Remark No decomposition if used as directed.

## ! SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
<b>Skin irritation</b>	low irritant effect - not necessary to label			
<b>Eye irritation</b>	low irritant - no labeling duty			
<b>Skin sensitization</b>	sensitizing			

#### ! Experiences made from practice

Sensitization through skin contact possible.  
Allergic reactions possible.  
Contact with the eyes and skin can cause irritation.

#### ! Additional information

The product should be handled with the care usual when dealing with chemicals.  
Further hazardous properties can not be excluded.

## ! SECTION 12: Ecological information

### 12.1. Toxicity

No information available.

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

No information available.

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6. Other adverse effects

#### ! General regulation

Ecological data are not available.  
Do not allow uncontrolled leakage of product into the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Recommendations for the product

There are no harmonised regulations on the disposal of chemicals in the member states of the EU. In Germany the Recycling and Waste Management Act (KrWG) stipulates recycling as a requirement. This means that a distinction must be made between "wastes for recycling" and "wastes for disposal". Particular aspects - in the main concerning delivery - are also governed by the Laender.



#### Recommendations for packaging

Disposal according to official regulations.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

#### Recommended cleansing agent

Water, if necessary with cleansing agents.

#### General information

Allocation of the waste number has to be done according to the EWC directive industry- and process-specific.

### SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
<b>14.1. UN number</b>	1993	1993	1993
<b>14.2. UN proper shipping name</b>	FLAMMABLE LIQUID, N.O.S. (hexamethyldisiloxane)	FLAMMABLE LIQUID, N.O. S. (hexamethyldisiloxane)	Flammable liquid, n. o.s. (hexamethyldisiloxane)
<b>14.3. Transport hazard class(es)</b>	3	3	3
<b>14.4. Packing group</b>	III	III	III
<b>14.5. Environmental hazards</b>	No	No	No

#### 14.6. Special precautions for user

No information available.

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

#### Land and inland navigation transport ADR/RID

Hazard label(s) 3

tunnel restriction code D/E

Special provisions 640E

Classification code F1

### ! SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### National regulations

##### Water hazard class

1 Manufacturer specifications  
slightly hazardous to water

##### Decree for case of interference/remarks

Not subject to the Hazardous Incident Ordinance

---

**15.2. Chemical Safety Assessment**

No information available.

---

**SECTION 16: Other information**

**Training advice**

See the technical data sheet for more information.

**Recommended uses and restrictions**

National and local regulations concerning chemicals shall be observed.

**Further information**

The national special regulations have to be implemented by each user their own responsibility!

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Please note: Our Material Safety Data Sheets have been prepared in accordance with EU directives, WITHOUT taking into account the specific national regulations for handling hazardous materials and chemicals.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 1.1

**Sources of key data used**

Data sheets of the suppliers.

Umweltbundesamt (Wassergefährdungsklasse)

- |      |  |
|------|--|
| H225 | Highly flammable liquid and vapour.              |
| 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.                   |
| H400 | Very toxic to aquatic life.                      |
| H411 | Toxic to aquatic life with long lasting effects. |