# Safety data sheet

**according to 1907/2006/EC, Article 31**

Printing date 23.01.2023 Version number 14 (replaces version 13) Revision: 17.01.2023

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

### · 1.1 Product identifier

· **Trade name: Nano Performance Polish**

· **Article number:** 85250

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

FOR PROFESSIONAL AND INDUSTRIAL USE ONLY

· **Application of the substance / the mixture**

Coating

Lustre

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

· **Manufacturer/Supplier:**

KENT (United Kingdom) Ltd
Forsyth House
Pitreavie Drive
Pitreavie Business Park
Dunfermline
Fife
KY11 8US

Tel: +44 01383 723344 / 0800 136925 Monday - Thursday 8.30am - 5.30pm, Friday 9.00am - 3.00pm
Fax: +44 1383 620079
SDS@kenteurope.com

### · 1.4 Emergency telephone number:

Tel: +44 01383 723344 During normal office hours - Monday - Thursday 8.30am - 5.30pm, Friday 9.00am - 3.00pm

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## SECTION 2: Hazards identification

### · 2.1 Classification of the substance or mixture

· **Classification according to Regulation (EC) No 1272/2008** The product is not classified, according to the GB CLP regulation.

### · 2.2 Label elements

· **Labelling according to Regulation (EC) No 1272/2008** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

· **Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking.
Safety data sheet available on request.

### · 2.3 Other hazards

· **Results of PBT and vPvB assessment**

| · **PBT:** | |
|---|---|
| 541-02-6 | 2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane |

| · **vPvB:** | |
|---|---|
| 541-02-6 | 2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane |

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## SECTION 3: Composition/information on ingredients

### · 3.2 Mixtures

· **Description:** Mixture of the substances listed below with harmless additions.

| · **Dangerous components:** | | |
|---|---|---|
| CAS: 64742-48-9<br>EC number: 919-857-5<br>Reg.nr.: 01-2119463258-33 | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics<br>Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336 | 10-25% |
| CAS: 64771-72-8<br>EC number: 929-018-5<br>Reg.nr.: 01-2119475608-26 | Hydrocarbons, C10-C13,n-alkanes,<2% aromatics<br>Asp. Tox. 1, H304 | <5% |

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| | | |
|---|---|---|
| EC number: 926-141-6<br>Reg.nr.: 01-2119456620-43 | Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclic, <2% aromatics<br>Asp. Tox. 1, H304, EUH066 | <5% |
| CAS: 541-02-6<br>EINECS: 208-764-9<br>Reg.nr.: 01-2119511367-43 | 2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane<br>Non-classified vPvB substance.<br>Non-classified PBT substance.<br>Substance identified as having endocrine disrupting properties (II). | <3% |

· **SVHC**

| | |
|---|---|
| 541-02-6 | 2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane |

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

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## SECTION 4: First aid measures

· **4.1 Description of first aid measures**
· **After inhalation** Supply fresh air; consult doctor in case of symptoms.
· **After skin contact**
Instantly wash with water and soap and rinse thoroughly.
Generally the product is not skin irritating.
· **After eye contact** Rinse opened eye for several minutes under running water.
· **After swallowing** Rinse out mouth and then drink plenty of water.
· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
· **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

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## SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
· **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
· **5.3 Advice for firefighters**
· **Protective equipment:**
Do not inhale explosion gases or combustion gases.
Wear self-contained breathing apparatus.

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## SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
· **6.2 Environmental precautions:**
Do not allow to enter drainage system, surface or ground water.
Dilute with much water.
· **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
· **6.4 Reference to other sections**
No dangerous materials are released.
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

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## SECTION 7: Handling and storage

· **7.1 Precautions for safe handling** No special measures required.
· **Information about protection against explosions and fires:** No special measures required.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage**
· **Requirements to be met by storerooms and containers:** Store in cool location.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:**
Store container in a well ventilated position.
Protect from heat and direct sunlight.
· **Storage class** 12

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· **7.3 Specific end use(s)** No further relevant information available.

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## SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**
· **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

| · **DNELs** | | |
|---|---|---|
| **64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics** | | |
| Dermal | Long term systemic effect | 208 mg/kg bw/day (Worker) |
| Inhalative | Long term systemic effect | 871 mg/m3 (Worker) |
| **541-02-6 2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane** | | |
| Inhalative | Long term systemic effect | 97.3 mg/m3 (Worker) |
| | Acute local effect | 24.2 mg/m3 (Worker) |
| | Long term local effect | 24.2 mg/m3 (Worker) |
| | Acute systemic effect | 97.3 mg/m3 (Worker) |

| · **PNECs** | |
|---|---|
| **541-02-6 2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane** | |
| PNEC | >0.0012 mg/l (Aqua (freshwater)) |
| | >0.00012 mg/l (Aqua (marine water)) |
| | 2.4 mg/kg (Freshwater sediment) |
| | 0.24 mg/kg (Marine water sediment) |
| | >10 mg/l (Sewage treatment plant) |
| | 1.1 mg/kg (Soil) |

· **Additional information:** The lists that were valid during the compilation were used as basis.

· **8.2 Exposure controls**
· **Appropriate engineering controls** No further data; see item 7.
· **Individual protection measures, such as personal protective equipment**
· **General protective and hygienic measures** Wash hands during breaks and at the end of the work.
· **Breathing equipment:** Not necessary if room is well-ventilated.
· **Hand protection**

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· **Material of gloves**
Wear suitable gloves tested to EN 374
Nitrile rubber, NBR
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
· **Penetration time of glove material**
Value for the permeation: Level 6 > 480 minutes
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
· **Eye/face protection**

Safety glasses (EN 166)

· **Body protection:** Protective work clothing (EN-13034/6)



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## SECTION 9: Physical and chemical properties

### · 9.1 Information on basic physical and chemical properties

| | |
|---|---|
| · **General Information** | |
| · **Physical state** | Fluid |
| · **Colour:** | Light blue |
| · **Odour:** | Pleasant |
| · **Odour threshold:** | Not determined. |
| · **Melting point/freezing point:** | Not determined |
| · **Boiling point or initial boiling point and boiling range** | 100 °C |
| · **Flammability** | Not applicable. |
| · **Lower and upper explosion limit** | |
| · **Lower:** | 0.9 Vol % |
| · **Upper:** | 8.0 Vol % |
| · **Flash point:** | Not applicable |
| · **Ignition temperature:** | >230 °C |
| · **Decomposition temperature:** | Not determined. |
| · **pH at 20 °C** | 9 |
| · **Viscosity:** | |
| · **Kinematic viscosity** | Not determined. |
| · **dynamic at 20 °C:** | 20,000 mPas |
| · **Solubility** | |
| · **Water:** | Partly miscible |
| · **Partition coefficient n-octanol/water (log value)** | Not determined. |
| · **Vapour pressure at 20 °C:** | 23 hPa |
| · **Density and/or relative density** | |
| · **Density at 20 °C** | 0.997 g/cm³ |
| · **Relative density** | Not determined. |
| · **Vapour density** | Not determined. |

### · 9.2 Other information

| | |
|---|---|
| · **Appearance:** | |
| · **Form:** | Viscous |
| · **Important information on protection of health and environment, and on safety.** | |
| · **Self-inflammability:** | Product is not selfigniting. |
| · **Explosive properties:** | Product is not explosive. |
| · **Solvent content:** | |
| · **Organic solvents:** | 273 g/l VOC |
| · **Change in condition** | |
| · **Evaporation rate** | Not determined. |

| | |
|---|---|
| · **Information with regard to physical hazard classes** | |
| · **Explosives** | Void |
| · **Flammable gases** | Void |
| · **Aerosols** | Void |
| · **Oxidising gases** | Void |
| · **Gases under pressure** | Void |
| · **Flammable liquids** | Void |
| · **Flammable solids** | Void |
| · **Self-reactive substances and mixtures** | Void |
| · **Pyrophoric liquids** | Void |
| · **Pyrophoric solids** | Void |
| · **Self-heating substances and mixtures** | Void |
| · **Substances and mixtures, which emit flammable gases in contact with water** | Void |
| · **Oxidising liquids** | Void |
| · **Oxidising solids** | Void |
| · **Organic peroxides** | Void |
| · **Corrosive to metals** | Void |
| · **Desensitised explosives** | Void |



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## SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.
· **10.2 Chemical stability**
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **10.3 Possibility of hazardous reactions** No dangerous reactions known
· **10.4 Conditions to avoid** No further relevant information available.
· **10.5 Incompatible materials:** No further relevant information available.
· **10.6 Hazardous decomposition products:** No dangerous decomposition products known

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## SECTION 11: Toxicological information

· **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
· **Acute toxicity** Based on available data, the classification criteria are not met.

| · **LD/LC50 values that are relevant for classification:** | | |
|---|---|---|
| **64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics** | | |
| Oral | LD50 | >5,000 mg/kg (Rat) |
| Dermal | LD50 | >3,000 mg/kg (Rabbit) |
| **Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclic, <2% aromatics** | | |
| Oral | LD50 | >5,000 mg/kg (Rat) |
| Dermal | LD50 | >5,000 mg/kg (Rabbit) |
| | IC50 | 20 (Algae) |

· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
· **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
· **Carcinogenicity** Based on available data, the classification criteria are not met.
· **Reproductive toxicity** Based on available data, the classification criteria are not met.
· **STOT-single exposure** Based on available data, the classification criteria are not met.
· **STOT-repeated exposure** 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** | | |
|---|---|---|
| 541-02-6 | 2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane | List II |

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## SECTION 12: Ecological information

· **12.1 Toxicity**

| · **Aquatic toxicity:** | |
|---|---|
| **64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics** | |
| EL50 (72 hr) | >1,000 mg/l (Pseudokirchneriella subcapitata) |
| ELO (48 hr) | 1,000 mg/l (Daphnia magna) |
| LL50 (96 hr) | >1,000 mg/l (Oncorhynchus mykiss) |
| NOELR | 100 mg/l (Pseudokirchneriella subcapitata) (72 hrs) |
| **Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclic, <2% aromatics** | |
| EL50 (48 hr) | >250 mg/l (Daphnia magna) |
| LC50 (96 hr) | >1,000 mg/l (Oncorhynchus mykiss) |

· **12.2 Persistence and degradability** No further relevant information available.
· **12.3 Bioaccumulative potential** No further relevant information available.
· **12.4 Mobility in soil** No further relevant information available.
· **12.5 Results of PBT and vPvB assessment**

| · **PBT:** | |
|---|---|
| 541-02-6 | 2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane |

| · **vPvB:** | |
|---|---|
| 541-02-6 | 2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane |

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· **12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.
· **12.7 Other adverse effects**
· **Additional ecological information:**
· **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.
Do not allow product to reach ground water, water bodies or sewage system.
Danger to drinking water if even small quantities leak into soil.

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## SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation** Disposal must be made according to official regulations.

· **Uncleaned packagings:**
· **Recommendation:** Disposal must be made according to official regulations.
· **Recommended cleaning agent:** Water, if necessary with cleaning agent.

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## SECTION 14: Transport information

| | |
|---|---|
| · **14.1 UN number or ID number** | |
| · **ADR, ADN, IMDG, IATA** | Void |
| · **14.2 UN proper shipping name** | |
| · **ADR, ADN, IMDG, IATA** | Void |
| · **14.3 Transport hazard class(es)** | |
| · **ADR, ADN, IMDG, IATA** | |
| · **Class** | Void |
| · **14.4 Packing group** | |
| · **ADR, IMDG, IATA** | Void |
| · **14.5 Environmental hazards:** | |
| · **Marine pollutant:** | No |
| · **14.6 Special precautions for user** | Not applicable. |
| · **14.7 Maritime transport in bulk according to IMO instruments** | Not applicable. |
| · **Transport/Additional information:** | Not dangerous according to the above specifications. |
| · **UN "Model Regulation":** | Void |

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## SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **National regulations**

· **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

| · **Substances of very high concern (SVHC) according to UK REACH** | |
|---|---|
| 541-02-6 | 2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane |

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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## SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**
H226 Flammable liquid and vapour.

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*H304 May be fatal if swallowed and enters airways.*
*H336 May cause drowsiness or dizziness.*
*EUH066 Repeated exposure may cause skin dryness or cracking.*

· ***Department issuing data specification sheet:*** *Environment protection department*
· ***Abbreviations and acronyms:***
*RID: (Regulations Concerning the International Transport of Dangerous Goods by Rail)*
*ICAO: International Civil Aviation Organisation*
*ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road)*
*IMDG: International Maritime Code for Dangerous Goods*
*IATA: International Air Transport Association*
*GHS: Globally Harmonised System of Classification and Labelling of Chemicals*
*EINECS: European Inventory of Existing Commercial Chemical Substances*
*ELINCS: European List of Notified Chemical Substances*
*CAS: Chemical Abstracts Service (division of the American Chemical Society)*
*DNEL: Derived No-Effect Level (UK REACH)*
*PNEC: Predicted No-Effect Concentration (UK REACH)*
*LC50: Lethal concentration, 50 percent*
*LD50: Lethal dose, 50 percent*
*PBT: Persistent, Bioaccumulative and Toxic*
*vPvB: very Persistent and very Bioaccumulative*
*Flam. Liq. 3: Flammable liquids – Category 3*
*STOT SE 3: Specific target organ toxicity (single exposure) – Category 3*
*Asp. Tox. 1: Aspiration hazard – Category 1*
· ***Data compared to the previous version altered.*** *