Safety Data Sheet
in accordance with HSNO

Printing date 12.12.2023 *Version number 1.2 (replaces version 1.1)* *Revision: 12.12.2023*

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SECTION 1: Identification of the substance or mixture and of the supplier

· **Product identifier**

· **Trade name:** ***Ceramic Spray Sealant***

· **Article number:** 26919
· **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
· **Application of the substance / the mixture** Sealing

· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
Menzerna polishing compounds GmbH & Co. KG
Industriestraße 25
76470 ÖTIGHEIM
GERMANY
sds@menzerna.com
Tel.: +49 (0) 7222 9157-0
www.menzerna.com

New Zealand Distributor:
Wyatt Machine Tools Rupes (NZ) Limited
388 Church Street, Penrose, Auckland, New Zealand
Ph (09) 525 1000

· **Further information obtainable from:** info@wyatt.co.nz
· **Emergency telephone number:** 0800 992 881 (0800WYATT1)

SECTION 2: Hazards identification

· **Classification of the substance or mixture**
The product is not classified, according to the Globally Harmonised System (GHS).

· **Label elements**
· **GHS label elements** Void
· **Hazard pictograms** Void
· **Signal word** Void
· **Hazard statements** Void
· **Other hazards**
· **Results of PBT and vPvB assessment**

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

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

SECTION 3: Composition/Information on ingredients

· **Mixtures**
· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**		
CAS: 102782-92-3 EC number: 600-354-1	Siloxanes and Silicones,3-[(2-aminoethyl)amino]propyl Me, di-Me, methoxy-terminated Skin Irrit. 2, H315	≥0-≤2.5%

(Contd. on page 2)

Safety Data Sheet
in accordance with HSNO

Printing date 12.12.2023 *Version number 1.2 (replaces version 1.1)* *Revision: 12.12.2023*

Trade name: *Ceramic Spray Sealant*

(Contd. of page 1)

CAS: 541-02-6 EINECS: 208-764-9	2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane PBT; vPvB	≥0-≤2.5%

· **SVHC**

CAS: 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.

SECTION 4: First aid measures

· **Description of first aid measures**
· **General information:** No special measures required.
· **After inhalation:** Supply fresh air; consult doctor in case of complaints.
· **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
· **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· **After swallowing:**
Rinse out mouth and then drink plenty of water.
Seek medical treatment.
· **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
· **Indication of any immediate medical attention and special treatment needed**
Treat according to symptoms.

SECTION 5: Fire fighting measures

· **Extinguishing media**
· **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
· **For safety reasons unsuitable extinguishing agents:** Water with full jet
· **Special hazards arising from the substance or mixture** No particular fire or explosion hazard.
· **Advice for firefighters**
· **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.

SECTION 6: Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**
Keep unnecessary personnel away. Ensure adequate ventilation. Use personal protection recommended in section 8.
· **Environmental precautions:**
Contain spilled product with chemical binder.
Keep contaminated washing water and dispose of appropriately.
· **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.
· **Reference to other sections**
See Section 7 for information on safe handling.

(Contd. on page 3)

Safety Data Sheet
in accordance with HSNO

(Contd. of page 2)

See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

· **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
· **Information about fire - and explosion protection:** No special measures required.

· **Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Store in a well-ventilated place. Storage temperature: between 5°C and 30°C.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:** Protect from heat and direct sunlight.
· **Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **Control parameters**
· **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain relevant quantities of substances with limit values that require monitoring at the workplace.

· **PNECs**	
CAS: 541-02-6 2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane	
PNEC (Sewage plant)	>10 mg/l
PNEC (freshwater)	>1.2 µg/l
PNEC (seawater)	0.00012 mg/l
sediment (freshwater)	2.4 mg/kg
Sediment (seawater)	0.24 mg/kg
soil	1.1 mg/kg

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

· **Exposure controls**
· **Appropriate engineering controls** Ensure sufficient ventilation at the workplace.
· **Individual protection measures, such as personal protective equipment**
· **General protective and hygienic measures:**
The design of body protection equipment must be selected specifically for the workplace, depending on the concentration and quantity of hazardous substances.
· **Respiratory protection:**
Not necessary when used as intended. Ventilate work area well. Respiratory protection is required in case of
of dusts/vapours/aerosols as well as increased concentration in the air (filter class according to DIN EN 141). Observe wearing time limitations.
· **Hand protection**
As a rule, one does not come into direct contact with the product during use.
Protective gloves must not be worn if there is a risk of the protective glove being drawn into rotating or linearly moving machine parts.
Recommendation for short-term exposure: chemical-resistant protective gloves (according to the specifications of VO (EU) No. 2016/425 and DIN EN 374).

(Contd. on page 4)

Safety Data Sheet
in accordance with HSNO

Printing date 12.12.2023 *Version number 1.2 (replaces version 1.1)* *Revision: 12.12.2023*

Trade name: *Ceramic Spray Sealant*

(Contd. of page 3)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**
Nitrile rubber, NBR
Recommended thickness of the material: ≥ 0.45 mm
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**
≥ 480 min
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**
Frame goggles with side protection (according to DIN EN 166:2001, Personal eye protection - Requirements).

· **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

· **Information on basic physical and chemical properties**	
· **General Information**	
· **Physical state**	Fluid
· **Colour:**	Whitish
· **Odour:**	Characteristic
· **Odour threshold:**	Not determined.
· **Melting point/freezing point:**	Undetermined.
· **Boiling point or initial boiling point and boiling range**	100 °C (212 °F)
· **Flammability**	Not applicable.
· **Lower and upper explosion limit**	
· **Lower:**	Not determined.
· **Upper:**	Not determined.
· **Flash point:**	Not applicable.
· **Decomposition temperature:**	Not determined.
· **pH at 20 °C (68 °F)**	6-8
· **Viscosity:**	
· **Kinematic viscosity**	Not determined.
· **Dynamic:**	Not determined.
· **Solubility**	
· **water:**	Partly miscible.
· **Partition coefficient n-octanol/water (log value)**	Not determined.
· **Vapour pressure at 20 °C (68 °F):**	23 hPa (17.3 mm Hg)
· **Density and/or relative density**	
· **Density at 20 °C (68 °F):**	0.99-1 g/cm³ (8.26-8.35 lbs/gal)
· **Relative density**	Not determined.
· **Vapour density**	Not determined.

(Contd. on page 5)

Safety Data Sheet
in accordance with HSNO

Printing date 12.12.2023 *Version number 1.2 (replaces version 1.1)* *Revision: 12.12.2023*

Trade name: *Ceramic Spray Sealant*

(Contd. of page 4)

· **Other information**	
· **Appearance:**	
· **Form:**	Fluid
· **Important information on protection of health and environment, and on safety.**	
· **Ignition temperature:**	Product is not selfigniting.
· **Explosive properties:**	Product does not present an explosion hazard.
· **Solvent content:**	
· **VOC (EC)**	0.00 %
· **Change in condition**	
· **Softening point/range**	
· **Oxidising properties**	Not determined.
· **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

SECTION 10: Stability and reactivity

· **Reactivity** None under normal conditions.
· **Chemical stability** Stable under normal conditions.
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
· **Possibility of hazardous reactions** No dangerous reactions known.
· **Conditions to avoid** Extreme temperatures and extreme sunlight.
· **Incompatible materials:** Strong acids. Strong bases. Strong oxidising agents.
· **Hazardous decomposition products:** Carbon monoxide and carbon dioxide

(Contd. on page 6)

Safety Data Sheet
in accordance with HSNO

Printing date 12.12.2023 *Version number 1.2 (replaces version 1.1)* *Revision: 12.12.2023*

Trade name: *Ceramic Spray Sealant*

(Contd. of page 5)

SECTION 11: Toxicological information

· **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 relevant for classification:**		
CAS: 541-02-6 2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane		
Oral	LD50	>24,134 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)

· **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.
· **Information on other hazards**

· **Endocrine disrupting properties**		
CAS: 541-02-6	2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane	List II

SECTION 12: Ecological information

· **Toxicity**

· **Aquatic toxicity:**	
CAS: 541-02-6 2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane	
LC50	>16 mg/l /14d (Oncorhynchus mykiss)
LC50/96h	>0.016 mg/l (Oncorhynchus mykiss)
EC50 (48h)	>2.9 mg/l (daphnia)
EC50 (96h)	>0.012 mg/l (Pseudokirchneriella subcapitata)
NOEC	≥0.017 mg/l /45d (Oncorhynchus mykiss)
NOEC (96h)	0.012 mg/l (Pseudokirchneriella subcapitata)
NOEC (21d)	0.015 mg/l (daphnia)
ErC50 (96h)	>0.012 mg/l (Pseudokirchneriella subcapitata)

· **Persistence and degradability**	
CAS: 541-02-6 2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane	
degradability	0.14 % /28d

· **Bioaccumulative potential**	
CAS: 541-02-6 2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane	
BCF	100-3,000
log KOW	5.2

· **Mobility in soil** No further relevant information available.

(Contd. on page 7)

Safety Data Sheet
in accordance with HSNO

(Contd. of page 6)

· **Results of PBT and vPvB assessment**

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

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

· **Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.
· **Other adverse effects**
· **Additional ecological information:**
· **General notes:**
Avoid transfer into the environment.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

· **Waste treatment methods**
· **Recommendation** Disposal must be made according to official regulations.
· **Waste disposal key:**
Waste codes should be determined in consultation with the customer, supplier and disposal.

· **Uncleaned packaging:**
· **Recommendation:**
Packagings that may not be cleansed are to be disposed of in the same manner as the product.
· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

· **UN number or ID number**	
· **NZS/RID, IMDG, IATA**	Void
· **UN proper shipping name**	
· **NZS/RID, IMDG, IATA**	Void
· **Transport hazard class(es)**	
· **NZS/RID, ADN, IMDG, IATA**	
· **Class**	Void
· **Packing group**	
· **NZS/RID, IMDG, IATA**	Void
· **Environmental hazards:**	Not applicable.
· **Special precautions for user**	Not applicable.
· **Maritime transport in bulk according to IMO instruments**	Not applicable.
· **UN "Model Regulation":**	Void

(Contd. on page 8)

Safety Data Sheet
in accordance with HSNO

(Contd. of page 7)

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SECTION 15: Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **New Zealand Inventory of Chemicals**
All ingredients are listed.

· **HSNO Approval numbers**
None of the ingredients is listed.

· **GHS label elements** Void
· **Hazard pictograms** Void
· **Signal word** Void
· **Hazard statements** Void

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **National regulations:**

· **Other regulations, limitations and prohibitive regulations**
NZ statement: This substance is not classified hazardous according to the EPA hazardous substances (classification) notice 2017

· **Substances of very high concern (SVHC) according to REACH, Article 57**	
CAS: 541-02-6	2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane

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

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SECTION 16: Other information

The information in the safety data sheet applies only to the product described in connection with its intended use. The information is based on the current state of our knowledge. In particular, they serve to describe our product with regard to the hazards it presents and the applicable safety precautions. They do not constitute a guarantee of product and quality characteristics.

· **Relevant phrases**
H315 Causes skin irritation.
· **Contact:** info@wyatt.co.nz
· **Abbreviations and acronyms:**
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
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)
VOC: Volatile Organic Compounds (USA, EU)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Skin Irrit. 2: Skin corrosion/irritation – Category 2
· *** Data compared to the previous version altered.**