

Safety Data Sheet

according to HPR, Schedule 1

Issue date 05/22/2023

Reviewed on 05/22/2023

* 1 Identification

· **Product Identifier**

· **Trade Name: ZERO MAX NEUTRAL WEATHERPROOF SILICONE SEALANT 930/500B**

· **Product Description:**

A neutral cure silicone rubber sealant with excellent adhesion to most common construction materials usually without the need of priming.

Readily extrudes over a wide temperature range and quickly cures to produce a durable.

Suitable for use in dynamic applications such as expansion, perimeter and control joints, sealing of windows, precast concrete panels and stress cracks.

Neutral cure sealant for also use with metal products. (Not include copper)

Excellent temperature stability: -50°C to 150°C

· **Details of the Supplier of the Safety Data Sheet:**

· **Manufacturer/Supplier:**

ZERO MAX SILICONE SEALANT LTD.

67 Rodinea Rd Unit #6

Maple, Ontario L6A 1R3

CANADA

+16474447373

+16478039494

· **Emergency telephone number:**

+16474447373

+16478039494

2 Hazard identification

· **Classification of the substance or mixture:**



Health hazard

Reproductive Toxicity - Category 1B H360 May damage fertility or the unborn child.



Eye Irritation - Category 2A

H319 Causes serious eye irritation.

· **Label elements:**

· **Hazard pictograms:**



· **Signal word:** Danger

· **Hazard-determining components of labeling:**

Dibutyltin dilaurate

· **Hazard statements:**

H319 Causes serious eye irritation.

H360 May damage fertility or the unborn child.

· **Precautionary statements:**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P264 Wash thoroughly after handling.

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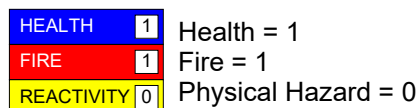
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- P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Unknown acute toxicity:**

This value refers to knowledge of known, established toxicological or ecotoxicological values. 25.4 % of the mixture consists of an ingredient or ingredients of unknown acute toxicity.

· **Information pertaining to particular dangers for man and environment:**· **NFPA ratings (scale 0 - 4)**· **HMS-ratings (scale 0 - 4)**· **Hazard(s) not otherwise classified (HNOC):** None known**3 Composition/Information on ingredients**· **Chemical characterization: Substance**

· **Description:** Mixture of substances listed below with non-hazardous additions.

· **Dangerous Components:**

CAS: 63148-62-9 RTECS: JT6485000	Polydimethylsiloxane ⚠ Eye Irritation - Category 2A, H319	15-35% w/w *
CAS: 37697-65-7	Methyl-tris(sec.butylamino)-silan ⚠ Acute Toxicity (Oral) - Category 3, H301	≤2.5% w/w
CAS: 77-58-7 RTECS: WH 7000000	Dibutyltin dilaurate ⚠ Acute Toxicity (Oral) - Category 3, H301; ⚠ Germ Cell Mutagenicity - Category 2, H341; ⚠ Reproductive Toxicity - Category 1B, H360; ⚠ Specific Target Organ Toxicity - Repeated Exposure - Category 1, H372	≤2.5% w/w

* Actual concentration ranges are withheld as a trade secret.

4 First-aid measures· **Description of first aid measures**

· **General information:** If symptoms persist, call a physician.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:**

Wash with soap and water.

If skin irritation occurs, consult a doctor.

· **After eye contact:**

Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.

If easy to do so, remove contact lenses if worn.

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If eye irritation occurs, consult a doctor.

- **After swallowing:** If swallowed and symptoms occur, consult a doctor.
- **Information for doctor**
- **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 symptomatically.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
Use fire fighting measures that suit the environment.
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** No further relevant information.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Advice for firefighters**
- **Special protective equipment for firefighters:**
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:** Not required.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
Dispose of the collected material according to regulations.
- **Reference to other sections:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

· PAC-1:

471-34-1	Calcium Carbonate	45 mg/m ³
63148-62-9	Polydimethylsiloxane	65 mg/m ³
77-58-7	Dibutyltin dilaurate	1.1 mg/m ³

· PAC-2:

471-34-1	Calcium Carbonate	210 mg/m ³
63148-62-9	Polydimethylsiloxane	720 mg/m ³
77-58-7	Dibutyltin dilaurate	8 mg/m ³

· PAC-3:

471-34-1	Calcium Carbonate	1,300 mg/m ³
63148-62-9	Polydimethylsiloxane	4,300 mg/m ³
77-58-7	Dibutyltin dilaurate	48 mg/m ³

7 Handling and storage

- **Handling**
- **Precautions for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

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- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s):** No further relevant information available.

8 Exposure controls/ Personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters:**

· **Components with occupational exposure limits:**

77-58-7 Dibutyltin dilaurate

EL	STEL: 0.2 mg/m ³ TWA: 0.1 mg/m ³ as Sn; Skin
EV	TWA: 0.1 mg/m ³ as Sn, Skin

- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

· **Exposure controls:**

· **Personal protective equipment**

· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing and wash before reuse.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

· **Breathing equipment:**



NIOSH/OSHA or EN approved respiratory protection is recommended for use in airborne concentrations exceeding exposure limits.

· **Protection of hands:**



Protective gloves

· **Material of gloves:**

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 cannot be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material:**

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

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· **Eye protection:**



Safety glasses

· **Limitation and supervision of exposure into the environment:** None

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:

Paste

Color:

1.BLACK.
2.WHITE.
3.CHARCOAL.
4.SANDALWOOD.
5.BRONZE.
6.WINDOW BRONZE.
7.LIMESTONE.

· **Odor:**

Slight

· **pH-value:**

Not determined.

· **Change in condition**

Melting point/Melting range:

Not determined.

Boiling point/Boiling range:

>140 °C

· **Flash point:**

≥316 °C

· **Flammability (solid, gaseous):**

Not applicable.

· **Auto igniting:**

>400 °C

· **Decomposition temperature:**

Not determined.

· **Ignition temperature:**

Product is not self-igniting.

· **Danger of explosion:**

Product does not present an explosion hazard.

· **Explosion limits:**

Lower:

Not determined.

Upper:

Not determined.

· **Vapor pressure @ 25 °C:**

<7 hPa

· **Density @ 20 °C:**

1.3-1.4 g/cm³

· **Relative density:**

Not determined.

· **Vapor density:**

Not determined.

· **Evaporation rate:**

Not determined.

· **Solubility in / Miscibility with:**

Water:

Not miscible or difficult to mix.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

Dynamic:

Not determined.

Kinematic:

Not determined.

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- **Solvent content:**
- **VOC content:** 0.00 %
0.0 g/l / 0.00 lb/gal
- **Other information:** No further relevant information available.

10 Stability and reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Product is stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** Strong oxidizing agents.
- **Hazardous decomposition products:** Carbon oxides, Metal oxides, Silicon oxides, Formaldehyde

11 Toxicological information

- **Information on toxicological effects:**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

77-58-7 Dibutyltin dilaurate

Oral	LD50	175 mg/kg (Rat)
	Toxic Dose Low	50,532 µg/kg (Rat)
	LC50/48 hrs	>0.5 mg/l (Trout)

- **Primary irritant effect:**
- **On the skin:** No irritating effect.
- **On the eye:** Irritating effect.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

- **Carcinogenic categories:**

- **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

- **NTP (National Toxicology Program):**

None of the ingredients are listed.

12 Ecological information

- **Toxicity:**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Not known to be hazardous to water.
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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- **Other adverse effects:** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household waste. Do not allow product to reach sewage system. Observe all federal, state and local environmental regulations when disposing of this material.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number:**
- **DOT/TDG, ADR, IMDG, IATA** Non-Regulated Material
- **UN proper shipping name:**
- **DOT/TDG, ADR, IMDG, IATA** Non-Regulated Material
- **Transport hazard class(es):**
- **DOT, ADR, ADN, IMDG, IATA**
- **Class:** Non-Regulated Material
- **Packing group:**
- **DOT/TDG, ADR, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Special precautions for user:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **UN "Model Regulation":** Non-Regulated Material

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
No further relevant information available.
- **SARA (Superfund Amendments and Reauthorization):**

· Section 355 (extremely hazardous substances):
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None of the ingredients are listed.

· Section 313 (Specific toxic chemical listings):
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None of the ingredients are listed.

· TSCA (Toxic Substances Control Act):

All components have the value ACTIVE.

· Chemicals known to cause cancer:

None of the ingredients are listed.

· Canadian substance listings:

· Canadian Domestic Substances List (DSL):

471-34-1	Calcium Carbonate
63148-62-9	Polydimethylsiloxane
37697-65-7	Methyl-tris(sec.butylamino)-silan
77-58-7	Dibutyltin dilaurate

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· Canadian Non-Domestic Substances List (NDSL)	
992-94-9	methysilane

· Canadian Ingredient Disclosure list (limit 0.1%):	
None of the ingredients are listed.	

· Canadian Ingredient Disclosure list (limit 1%):	
None of the ingredients are listed.	

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms:**



· **Signal word:** Danger

· **Hazard-determining components of labeling:**

Dibutyltin dilaurate

· **Hazard statements:**

H319 Causes serious eye irritation.

H360 May damage fertility or the unborn child.

· **Precautionary statements:**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P264 Wash thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· National regulations:	
The product is not subject to be labelled according with the prevailing version of the regulations on hazardous substances.	

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

16 Other information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· **Contact:**

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

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)

NFPA: National Fire Protection Association (USA)

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HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

· *** Data compared to the previous version altered.**

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