

**SAFETY DATA SHEET**  
NEPTUNE

**1. Identification**

<b>Product identifier</b>	Neptune
<b>Product type</b>	Liquid
<b>Other means of identification</b>	
<b>Synonyms</b>	None
<b>Product Code</b>	-
<b>Recommended use</b>	Interior wood surfaces.
<b>Recommended restrictions</b>	No information available.
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
<b>Manufacturer/Supplier</b>	Vermont Natural Coatings Box 512 Hardwick, VT 05843 United States
<b>General Assistance</b>	(802) 472-8700
<b>E-Mail</b>	info@vermontnaturalcoatings.com
<b>Contact Person</b>	No information available.
<b>Emergency Telephone</b>	(802) 472-8700

**2. Hazard(s) Identification**

<b>OSHA/HCS status</b>	This material is not considered as hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), however this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
<b>Classification of the substance or mixture</b>	WARNING. Reproductive toxicity-Category 2.
<b>Physical hazards</b>	Notclassified
<b>Health hazards</b>	Not classified
<b>GHS Label elements</b>	Not applicable.
<b>Signal word</b>	Warning
<b>Hazard statement</b>	Suspected of damaging fertility or the unborn child.
<b>Precautionary statement</b>	Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing, eye and face protection.
<b>Hazard(s) not otherwise classified</b>	None known.

# SAFETY DATA SHEET

## 3. Composition/information on ingredients

### Mixture

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>
Diethylene glycol methyl etherl	111-77-3	<.45
Silica, crystalline (Quartz) (C.I. pigment white 27)	14808-60-7	≤.16

## 4. First-aid measures

<b>Inhalation</b>	Remove to fresh air. Administer oxygen if necessary. Seek immediate medical attention.
<b>Skin contact</b>	Wash thoroughly with soap and water. If irritation persists, get medical attention.
<b>Eye contact</b>	Flush with large quantities of water for at least 15 minutes. Remove contact lenses if present. Seek immediate medical attention.
<b>Ingestion</b>	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Obtain medical attention immediately.
<b>Most important symptoms/effects, acute and delayed</b>	No known significant effects or critical hazards.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. In case of shortness of breath, give oxygen. Keep victim warm.
<b>General information</b>	If exposed or concerned: get medical attention/advice. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
<b>Unsuitable extinguishing media</b>	Strong water jet.
<b>Specific hazards arising from the chemical</b>	Carbon monoxide and dioxide. Aldehydes. Carboxylic acids.
<b>Special protective equipment and Special firefighting procedures</b>	Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## 6. Accidental release measures

# SAFETY DATA SHEET

## Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

**For emergency responders:** If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

## Environmental Precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

## Methods and materials for containment and cleaning up

**Small spill:** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill:** Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## 7. Handling and storage

### Precautions for safe handling

Put on appropriate personal protective equipment (See Section 8).

### Conditions for safe storage,

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

### Incompatibilities.

Strong acids and bases. Strong oxidizing agents. Finely divided metals (Ba, Be, Na, P, Al, Mg etc).

## 8. Exposure controls/personal protection

# SAFETY DATA SHEET

## Occupational exposure limits

### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

#### Components

None of the components in this product is listed.

### US. OSHA Table Z-2 (29 CFR 1910.1000)

None of the components in this product is listed.

### US. OSHA Table Z-3 (29 CFR 1910.1000)

Components

Value

Quartz

10 mg/m<sup>3</sup>

### US. ACGIH Threshold Limit Values

#### Components

Value

Quartz

0.05 mg/m<sup>3</sup>

## Protective Equipment



## Appropriate engineering controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

## Individual protection measures, such as personal protective equipment

### Eye/face protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side shields.

### Skin protection

#### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. > 8 hours (breakthrough time): nitrile rubber

#### Body protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

#### Other

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

### Respiratory protection

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based

# SAFETY DATA SHEET

<b>Thermal hazards</b>	on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. Physical and chemical properties

### Appearance

Physical state	Liquid.
Form	Liquid.
Color	Refer to label
Odor	Low Odor
Odor threshold	No information available.
pH	8.1
Melting point	0°C
Freezing point	0°C
Initial boiling point and boiling range	
Flash point	100°C
% Volatile by Volume	No information available.
Evaporation rate (BuOAc=1)	Slower than ether.
Material Volatile Organic Compound (V.O.C.)	270 g/L (maximum)
Coating Volatile Organic Compound (V.O.C.)	
Flammability (solid, liquid, gas)	None.
Upper/lower flammability or explosive limits	
Flammability limit – lower (%)	Not applicable.
Flammability limit – upper (%)	Not applicable.
Explosive limit - lower (%)	No information available.
Explosive limit - upper (%)	No information available.
Vapor pressure at 20°C	18.67 mbar
Vapor density (Air=1)	Heavier than air.
Relative density (Specific gravity)	1.05
Solubility(ies)	
Solubility (water)	Yes
Solubility (other)	No information
Auto-ignition temperature	
Decomposition temperature	No information available.
Viscosity	No information available.

# SAFETY DATA SHEET

## 10. Stability and reactivity

<b>Reactivity</b>	Stable under recommended conditions of storage and handling.
<b>Chemical stability</b>	Stable under recommended handling and storage conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization will not occur.
<b>Conditions to avoid</b>	Keep away from incompatible products.
<b>Incompatible materials</b>	Oxidizers, acids and bases.
<b>Hazardous decomposition Products</b>	Burning or decomposing film may give off carbon dioxide and or carbon monoxide. Aldehydes. Carboxylic acids.

## 11. Toxicological information

No	CAS No	Common name and synonyms	(1) oral	(2) skin	(3) skin	(4) gases	(5) vapours	(6) dusts-mist
1	111-77-3	Diethylene glycol methyl ether	5500	9404	9404	Not applicable	>20,00	>5,00
2	14808-60-7	Silica, crystalline (Quartz) (C.I. pigment white 27)	>2000	Not available	>5000	Not applicable	Not applicable	>5,00

- (1) <sub>50</sub> oral mg/kg  
(2) <sub>50</sub> skin mg/kg  
(3) <sub>50</sub> skin mg/kg  
(4) <sub>50</sub> inhalation ppmV 4h gases  
(5) <sub>50</sub> inhalation mg/l 4h vapours  
(6) <sub>50</sub> inhalation mg/l 4h dusts-mist

**Routes of exposure:** This product is absorbed by the digestive tract.

**Symptoms:** Red eyes, itching and tearing.

**Delayed and immediate effects:** Studies suggest the possibility of an increase in congenital malformations. May cause eye irritation.

No	CAS No	Common name and synonyms	IARC	ACGIH	Mutagenicity	Effect on reproduction
1	111-77-3	Diethylene glycol methyl ether	4	A5	No effects shown.	Possible risk of harm to the unborn child.
2	14808-60-7	Silica, crystalline (Quartz) (C.I. pigment white 27)	1	A1	No effects shown.	No effects shown.

### Cancer classification under IARC (International Agency for Research on Cancer)

- Group 1: carcinogenic to humans.  
Group 2A: probably carcinogenic to humans.  
Group 2B: possibly carcinogenic to humans.  
Group 3: not classifiable as to its carcinogenicity to humans.  
Group 4: probably not carcinogenic to humans.

### Cancer classification under ACGIH (American Conference of Governmental Industrial Hygienists)

- Group A1: confirmed human carcinogen.  
Group A2: suspected human carcinogen.  
Group A3: confirmed animal carcinogen with unknown relevance to humans.  
Group A4: not classifiable as a human carcinogen.  
Group A5: not suspected as a human carcinogen.

# SAFETY DATA SHEET

## 12. Ecological information

No	CAS No	Common name and synonyms	%	Persistent	Bio-accumulation	Aquatic ecotoxicity
1	111-77-3	Diethylene glycol methyl ether	0.60	No	No	No
2	14808-60-7	Silica, crystalline (Quartz) (C.I. pigment white 27)	0.16	Yes	No	No

No	CAS No	Common name and synonyms	%	Ecotoxicity for aquatic organisms-Short term	Ecotoxicity for aquatic organisms-Long term	Environmental effects
1	111-77-3	Diethylene glycol methyl ether	0.60	No known adverse effect to aquatic life.	No known adverse effect to aquatic life.	No known adverse effect to the environment.
2	14808-60-7	Silica, crystalline (Quartz) (C.I. pigment white 27)	0.16	No known adverse effect to aquatic life.	No known adverse effect to aquatic life.	No known adverse effect to the environment.

## 13. Disposal considerations

### Disposal instructions

The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

## 14. Transport information

In accordance with DOT  
In accordance with IMDG  
In accordance with IATA

Not regulated for transport.  
Not regulated for transport.  
Not regulated for transport.

## 15. Regulatory information

### US federal regulations

This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
All components are on the U.S. EPA TSCA Inventory List.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None of the chemicals in this product is listed.

## SAFETY DATA SHEET

---

### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Silica, crystalline (Quartz) (C.I. pigment white 27) 14808-60-7

### CERCLA Hazardous Substance List (40 CFR 302.4)

Silica, crystalline (Quartz) (C.I. pigment white 27) 14808-60-7

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

<b>Hazard categories</b>	Immediate Hazard	-	No
	Delayed Hazard	-	No
	Fire Hazard	-	No
	Pressure Hazard	-	No
	Reactivity Hazard	-	No

### SARA 302/304 Extremely hazardous substance

None of the chemicals in this product is listed.

SARA 311/312 Hazardous chemical No

### SARA 313 (TRI reporting)

Chemical Name	CAS number	% by wt
Silica, crystalline (Quartz) (C.I. pigment white 27)	14808-60-7	≤ .12%

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

None of the chemicals in this product is listed.

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

None of the chemicals in this product is listed.

#### Safe Drinking Water Act (SDWA)

None of the chemicals in this product is listed.

### US State regulations

**US. New Jersey Worker and Community Right-to-Know Act** Silica, crystalline (Quartz) (C.I. pigment white 27) 14808-60-7

**US. Pennsylvania Worker and Community Right-to-Know Law**

Silica, crystalline (Quartz) (C.I. pigment white 27) 14808-60-7

#### US. California Proposition 65

#### US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT):

WARNING: This product can expose you to Quartz, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



# SAFETY DATA SHEET

## International Inventories

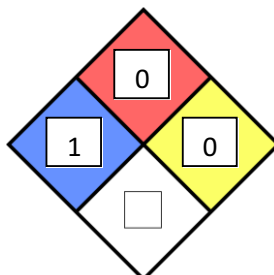
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non- Domestic Substances List (NDSL)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

**Issue date** 03-30-2022  
**Revision date** 07-19-2022  
**Version #** 3  
**NFPA rating**



### Key to abbreviations

ACGIH: Documentation of the Threshold Limit Values and Biological Exposure indices  
 GHS : Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA :International Air Transport Association  
 IMDG : International Maritime Dangerous Goods  
 NIOSH: The National Institute for Occupational Safety and Health  
 OSHA: Occupational Safety and Health Administration

### Disclaimer

The information, recommendations, and suggestions presented in this SDS are based upon test results and data believed to be reliable. The end user of the product has the responsibility for evaluating the adequacy of the data under the conditions of use, determining the safety, toxicity and suitability of the product under these conditions, and obtaining additional or clarifying information where uncertainty exists. No guarantee expressed or implied is made as to the effects of such use, the results to be obtained, or the safety and toxicity of the product in any specific application. Furthermore, the information herein is not represented as absolutely complete, since it is not practicable to provide all the scientific and study information in the format of this document, plus additional information may be necessary under exceptional conditions of use, or because of applicable laws or government regulations. All materials may present unknown hazards and should be used with caution.