

1 Identification

Product identifier

Trade name: *Grace S100 Sealant*

MSDS ID Number: 1975

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

W.R. Grace & Co. -Conn.
62 Whittemore Avenue
Cambridge, MA 02140 USA

Grace Canada, Inc.
294 Clements Road W.
Ajax, Ontario L1S 3C6 Canada

Information department:

Environmental Health & Safety
USA: +1-617-876-1400 (24 hours)
+1-800-354-5414 (8AM - 5PM) Not functional within Massachusetts
CAN: 1-905-683-8561 (24 hours)

Transport Emergency: Chemtrec +1-800-424-9300 (24 hours)

2 Composition/information on ingredients

Chemical characterization: Mixtures

Description: Mixture of the substances listed below with nonhazardous additions.

Hazardous components:

34036-80-1	Phenyl Oximino Silane	STOT RE 2, H373 Skin Sens. 1, H317 Aquatic Chronic 3, H412	5.0-10.0%
8052-41-3	Stoddard solvent	Flam. Liq. 3, H226 Carc. 1B, H350; Asp. Tox. 1, H304	2.0-5.0%
14808-60-7	Quartz (SiO2)	STOT RE 1, H372 Acute Tox. 4, H332	0.0-0.1%

3 Hazard(s) identification

Classification of the substance or mixture



Skin Sens. 1 H317 May cause an allergic skin reaction.

H316 Causes mild skin irritation.

Eye Irrit. 2B H320 Causes eye irritation.

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

(Cont. on page 2)

USGLO

Safety Data Sheet

Printing date 11/11/2013

Version Number 1.0

Reviewed on 11/11/2013

Trade name: *Grace S100 Sealant*

(Cont. from page 1)

Hazard pictograms

GHS07

Warning

Hazard-determining components of labeling:

Phenyl Oximino Silane

Hazard statements

Causes mild skin irritation.

Causes eye irritation.

May cause an allergic skin reaction.

Precautionary statements

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

Wash thoroughly after handling.

Do not breathe vapours.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Wash contaminated clothing before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

IF ON SKIN: Wash with plenty of soap and water.

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

Additional information: Quartz is not expected to be available for exposure unless product dries and is abraded.**4 First-aid measures****General information:** No special measures required.**After inhalation:**

If symptoms develop, supply fresh air. If required, provide artificial respiration and seek immediate medical treatment.

After skin contact:

Immediately wash contaminated skin with soap or mild detergent and water. If this chemical soaks clothing, immediately remove clothing and wash skin.

After eye contact:

Rinse opened eye for several minutes under running water.

Seek immediate medical advice.

After swallowing:

Wash out mouth with water

Do not induce vomiting; immediately call for medical help.

Never give anything by mouth to an unconscious person.

5 Fire-fighting measures**Special hazards arising from the substance or mixture** No further relevant information available.

(Cont. on page 3)

USGLO

Safety Data Sheet

Printing date 11/11/2013

Version Number 1.0

Reviewed on 11/11/2013

Trade name: *Grace S100 Sealant*

(Cont. from page 2)

Additional information Collect contaminated fire fighting water separately. It must not enter the sewage system.**6 Accidental release measures****Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Methods and material for containment and cleaning up:

Contain and/or absorb spill with inert material (i.e. sand, vermiculite) then place in a suitable container.

Sweep up spilled product into receptacles.

Dispose contaminated material as waste according to section 13 of the MSDS.

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.

7 Handling and storage**Precautions for safe handling**

Open and handle receptacle with care.

Prevent formation of aerosols.

Information about protection against explosions and fires:

Keep respiratory protective device available.

Empty containers may retain hazardous residue, both liquid and vapor.

Storage:**Information about storage in one common storage facility:** Keep respiratory protective device available.**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 item 7.**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.

Additional information: The lists that were valid during the creation were used as basis.**Personal protective equipment:****General protective and hygienic measures:**

Avoid contact with the eyes and skin.

Store protective clothing separately.

Breathing equipment: In case of brief exposure or low pollution use respiratory filter device.

(Cont. on page 4)

USGLO

Safety Data Sheet

Printing date 11/11/2013

Version Number 1.0

Reviewed on 11/11/2013

Trade name: *Grace S100 Sealant*

(Cont. from page 3)

Protection of hands:

Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

Material of gloves

Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

Eye protection:

Safety glasses with side shield protection.

Safety glasses with side shields should be worn to prevent contact due to splashing. Under high vapor mist concentrations, tightly sealed goggles should be worn.

Body protection: Protective work clothing**9 Physical and chemical properties****General Information****Appearance:**

Form:	Paste
Color:	According to product specification
Odor:	Characteristic
Odour threshold:	Not determined.

pH-value (~): Not determined.**Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
Flash point:	> 140 °C (> 284 °F)

Flammability (solid, gaseous): Not applicable.**Decomposition temperature:** Not determined.**Auto igniting:** Product is not selfigniting.**Danger of explosion:** Product does not present an explosion hazard.**Explosion limits:**

Lower:	Not determined.
Upper:	Not determined.
VOC Content (max):	Not determined.

Vapor pressure: Not determined.**Density: (~) at 20 °C (68 °F)** 1.2 g/cm³ (10.014 lbs/gal)**Relative density** Not determined.**Vapour 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.**Molecular weight** not applicable.

(Cont. on page 5)

USGLO

Safety Data Sheet

Printing date 11/11/2013

Version Number 1.0

Reviewed on 11/11/2013

Trade name: *Grace S100 Sealant*

(Cont. from page 4)

Other information

No further relevant information available.

10 Stability and reactivity**Thermal decomposition:** No decomposition if used according to specifications.**Incompatible materials:** No further relevant information available.**Hazardous decomposition products:** Carbon monoxide and carbon dioxide**Additional information:** See section 7 for information on handling, storage and conditions to be avoided.**11 Toxicological information****Acute toxicity:****Primary irritant effect:****on the skin:** Irritating to skin.**on the eye:** Irritating effect.**Sensitization:** Sensitization possible through skin contact.**Additional toxicological information:****Carcinogenic categories****IARC (International Agency for Research on Cancer) Human Carcinogenicity:**
Group 1- Positive, Group 2A- Probable, Group 2B- Possible, Group 3- Not Classifiable14808-60-7 | Quartz (SiO₂)

1

NTP (National Toxicology Program)**K-Known to be carcinogenic, R-May reasonably be anticipated to be carcinogenic**14808-60-7 | Quartz (SiO₂)

K

12 Ecological information**Aquatic toxicity:** No further relevant information available.**Persistence and degradability** No further relevant information available.**Bioaccumulative potential** No further relevant information available.**Ecotoxicological effects:****Remark:** Harmful to fish**Additional ecological information:****General notes:**

Water hazard class 3 (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

Harmful to aquatic organisms

USGLO

(Cont. on page 6)

Safety Data Sheet

Printing date 11/11/2013

Version Number 1.0

Reviewed on 11/11/2013

Trade name: *Grace S100 Sealant*

(Cont. from page 5)

13 Disposal considerations**Waste treatment methods** Comply with Federal, State and local regulations.**Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:**Recommendation:** Disposal must be made according to official regulations.**14 Transport information****UN-Number**

ADR, ADN, IMDG, IATA

Not applicable.

UN proper shipping name

ADR, ADN, IMDG, IATA

Not applicable.

Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class

Not applicable.

Packing group

ADR, IMDG, IATA

Not applicable.

Environmental hazards:

Marine pollutant:

No

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":

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15 Regulatory information**SARA (Superfund Amendments and Reauthorization Act)****Section 302/304 (extremely hazardous substances):**

None of the ingredients is listed.

Section 313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):

None of the ingredients is listed.

SARA Section 312/Tier I & II Hazard Categories:

Health Delayed (chronic)	Yes
Health Immediate (acute)	Yes
Flammable	No
Reactive	No
Pressure	No

(Cont. on page 7)

USGLO

Safety Data Sheet

Printing date 11/11/2013

Version Number 1.0

Reviewed on 11/11/2013

Trade name: *Grace S100 Sealant*

(Cont. from page 6)

North America Chemical Inventory Status**TSCA (Toxic Substances Control Act - United States):**

All ingredients are listed or exempt from listing unless otherwise noted below.

CEPA (Canadian DSL):

All ingredients are listed or exempt from listing unless otherwise noted below.

California Proposition 65**Chemicals known to cause cancer:**14808-60-7 | Quartz (SiO₂)**Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

WHMIS Classification(s):

D2B - Toxic material causing other toxic effects

**Carcinogenicity Categories****EPA (Environmental Protection Agency)**

None of the ingredients is listed.

TLV-ACGIH (THE American Conference of Governmental Industrial Hygienists)**Human Carcinogen - A1 Confirmed, A2 Suspected, A3 Unknown Relevance, A4 Not Classifiable**

None of the ingredients is listed.

NIOSH-Cancer (National Institute for Occupational Safety and Health)14808-60-7 | Quartz (SiO₂)**OSHA-Cancer (Occupational Safety & Health Administration)**

None of the ingredients is listed.

Volatile Organic Compounds (VOC) reported per the Emission Standards for Architectural Coatings: <100 g/L**European EINECS**

All ingredients are listed.

Philippines Inventory of Chemicals and Chemical Substances PICCS

Inventory listing could not be confirmed for one or more substances.

Inventory of Existing Chemical Substances manufactured or imported in China IECSC

Inventory listing could not be confirmed for one or more substances.

Australian Inventory of Chemical Substances AICS

Inventory listing could not be confirmed for one or more substances.

Japan Existing and New Chemical Substance List ENCS

Inventory listing could not be confirmed for one or more substances.

Korean Existing Chemical Inventory

Inventory listing could not be confirmed for one or more substances.

Non-hazardous Ingredients

70131-67-8 | Dimethyl siloxane, hydroxy-terminated

(Cont. on page 8)

USGLO

Safety Data Sheet

Printing date 11/11/2013

Version Number 1.0

Reviewed on 11/11/2013

Trade name: *Grace S100 Sealant*

(Cont. from page 7)

1317-65-3	Calcium carbonate
112945-52-5	Amorphous Silica Dioxide

16 Other information

"The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection."

The first date of preparation 10/31/2013**Number of revision times and the latest revision date** 1.0 / 11/11/2013

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