

Material Safety Data Sheet

according to HPR, Schedule 1

Meltell 310

Version 1.0

Revision date: 04/06/2021

1. IDENTIFICATION OF THE SUBSTANCE/MICTURE AND OF THE COMPANY/UNDERTAKING*

1.1 Product identifier

Trade name: Meltell 310

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

Application of the substance / the mixture: Spacings sealant

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier

SIGA Canada, Inc.

630 René-Lévesque Blvd. West

Suite 2800

Montreal

Quebec, QC H3B 1S6

Canada

Information department: technics.americas@sigaswiss.com

Tel. 1-855-733-7442 (while office-time)

1.4 Emergency telephone number: Tel. 1-855-733-7442 (while office-time)

2. HAZARDS IDENTIFICATION*

2.1 Classification of the substance or mixture

The product is not classified, according to the Globally Harmonized System (GHS)

2.2 Label elements

GHS label elements: Void

Hazard pictograms: Void

Signal word: Void

Hazard statements: Void

Additional information: Ensure good ventilation during application and curing

2.3 Classification system

NFPA ratings (scale 0 – 4):



Health = 0

Fire = 0

Reactivity = 0

HMIS ratings (scale 0 – 4):



Health = 0

Fire = 0

Reactivity = 0

2.4 Other hazards

During the application and curing process of material chemicals are released as vapour (see item 11). Therefore, ensure good ventilation or exhaustion if necessary.

3. COMPOSITION / INFORMATION ON INGREDIENTS*

Chemical characterisation: Mixtures

Description: Sealant based on silane-terminated polymers (hybrid)

Hazardous components: 2768-02-7 trimethoxyvinylsilane <2.5%

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

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4. FIRST-AID MEASURES*

4.1 Description of first aid measures

<u>After inhalation</u>	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
<u>After skin contact</u>	Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
<u>After eye contact</u>	Rinse opened eye for several minutes under running water. Then consult a doctor.
<u>After swallowing</u>	Do not induce vomiting; immediately call for medical help.

5. FIRE-FIGHTING MEASURES*

5.1 Extinguishing media

Suitable extinguishing agents

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

5.2 Advice for firefighters

Protective equipment

Mount respiratory protective device. Do not inhale explosion gases or combustion gases.

6. ACCIDENTAL RELEASE MEASURES*

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

6.2 Environmental precautions

Do not allow to enter sewers / surface or ground water.

6.3 Methods and material for containment and cleaning up

Dispose contaminated material as waste according to item 13. Pick up mechanically.

6.4 Reference to other sections

See section 8 for information on personal protection equipment.

7. HANDLING AND STORAGE*

7.1 Precautions for safe handling

Ensure good ventilation / exhaustion at the workplace.

see item 8: Personal protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles:

Information about storage in one common storage facility:

Further information about storage conditions:

Prevent any seepage into the ground.

Store away from foodstuffs

Store in cool, dry conditions in well-sealed receptacles. Protect from heat and direct sunlight.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION*

Additional information about design of technical systems: No further data; see item 7.

8.1 Control parameters

Components with limit values that require monitoring at the workplace:

2768-02-7 trimethoxyvinylsilane (0.5-1.5%)

EV STEL: 60 mg/m³, 10 ppm

Additional Occupational Exposure Limit Values for possible hazards during processing:

67-56-1 methanol

EL STEL: 250 ppm

TWA: 200 ppm

Skin

EV STEL: 325 mg/m³, 250 ppm

TWA: 260 mg/m³, 200 ppm

Skin

Additional information:

The lists that were valid during the creation were used as basis.

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Breathing equipment: Recommendation in case of long or strong exposure: A NIOSH approved air purifying respirator equipped with universal multicontaminant multi-gas/vapor cartridges is recommended if overexposure to chemical vapors could occur. If eye-irritating dusts or vapors are present, a full-face respirator should be worn.

Protection of hands: Protective gloves

Material of gloves: Natural rubber, NR
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.

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.2 mm

Penetration time of glove material: Breakthrough time: > 60min

Eye protection: Safety glasses

Body protection: Protective work clothing

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9. PHYSICAL AND CHEMICAL PROPERTIES*

9.1 Information on basic physical and chemical properties

General Information

Appearance

Form: Pasty
Colour: According to product specification

Odor: Characteristic

Odor threshold: not determined

pH-value not determined

Change in condition

Melting point/melting range: undetermined

Boiling point/boiling range: undetermined

Flash point not applicable

Decomposition temperature not determined

Auto igniting Product is not self-igniting.

Danger of explosion Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

Explosion limits

Lower: not applicable

Upper: not applicable

Oxidizing properties not determined

Vapor pressure not determined

Density see technical datasheet

Vapor density not applicable

Evaporation rate not determined

Solubility in / Miscibility with

water: not miscible or difficult to mix

Partition coefficient (n-octanol/water) not determined

Viscosity not determined

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. Avoid strong heating.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Hazardous decomposition products

see item 5.2

11. TOXICOLOGICAL INFORMATION*

11.1 Information on toxicological effects

Acute toxicity

LD/LC50 values that are relevant for classification

2768-02-7 trimethoxyvinylsilane

Oral LD50 7.100 mg/kg (rat)

Dermal LD50 3.200 mg/kg (rab)

Inhalative LC50/4h 16.8 mg/l (rat)

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Primary irritant effect:

On the skin:

Irritant to skin and mucous membranes.

On the eye:

Irritating effect

Other information

(about experimental toxicology):

Product of hydrolysis (Methanol):

Methanol (CAS 67-56-1) is readily and rapidly absorbed at all exposure routes and is toxic by all routes. Methanol may cause irritation of the mucosa, as well as nausea, vomiting, headaches, vertigo and visual disorders, including blindness (irreversible damage to the optic nerve), acidosis, spasms, narcosis and coma. There may be a delay in the onset of these effects after exposure.

Additional toxicological information:

Carcinogenic categories

IARC (International Agency

for Research on Cancer):

None of the ingredients is listed

NTP (National Toxicology Program):

None of the ingredients is listed

OSHA-Ca (Occupational Safety &

Health Administration):

None of the ingredients is listed

12. ECOLOGICAL INFORMATION*

12.1 Additional ecological information

General notes

Water hazard class 1 (self-assessment): slightly hazardous for water.

Do not allow product to reach ground water, water course or sewage system.

12.2 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

13. DISPOSAL CONSIDERATIONS*

13.1 Waste treatment methods

Recommendation

Observe local by-laws.

Already cured material can be disposed of with the domestic or commercial waste.

Unconsumed material (fluid, paste-like) is to dispose of as hazardous waste.

13.2 Uncleaned packaging

Recommendation

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

Packagings that cannot be cleansed are to be disposed of the same manner as the product.

14. TRANSPORT INFORMATION*

14.1 UN-Number

DOT/TDG, ADR, ADN, IMDG, IATA

Void

14.2 UN proper shipping name

DOT/TDG, ADR, ADN, IMDG, IATA

Void

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14.3 Transport hazard class(es) DOT, ADR, ADN, IMDG, IATA Class	Void
14.4 Packing group DOT/TDG, ADR, IMDG, IATA	Void
14.5 Environmental hazards: Marine pollutant	No
14.6 Special precautions for user	Not applicable
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
14.8 Transport/Additional information	Not dangerous acc. to the above specifications
14.9 UN "Model Regulation"	Void

15. REGULATORY INFORMATION*

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

<u>SARA Section 355 (extremely hazardous substances)</u>	None of the ingredients is listed
<u>SARA Section 313 (specific toxic chemical listings)</u>	67-56-1 methanol
<u>TSCA (Toxic Substances Control Act)</u>	All of the ingredients is listed
<u>Prop 65 – chemicals known to cause cancer</u>	None of the ingredients is listed
<u>MAK (German Maximum Workplace Concentration)</u>	None of the ingredients is listed
<u>Canadian Ingredient disclosure list (limit 0.1%)</u>	None of the ingredients is listed
<u>Canadian Ingredient disclosure list (limit 1.0%)</u>	None of the ingredients is listed
<u>GHS label elements</u>	Void
<u>Hazard pictograms</u>	Void
<u>Signal word</u>	Void
<u>Hazard statements</u>	Void

15.2 National regulations:

<u>Water hazard class</u>	Water hazard class 1 (Self-assessment): slightly hazardous for water.
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15.3 Details of international registration status:

Listed on or in accordance with the following inventories

REACH	- Europe	listed
AICS	- Australia	listed
DSL	- Canada	listed
ENCS	- Japan	not listed
IECSC	- China	listed
NZIoC	- New Zealand	listed
PICCS	- Philippines	not listed
ECL	- Korea	listed
TSCA	- USA	listed
TCSI	- Taiwan	listed

<u>Chemical safety assessment</u>	A Chemical Safety Assessment has not been carried out.
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16. OTHER INFORMATION*

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing SDS: quality management

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)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

OSHA: Occupational Safety & Health

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