Material Safety Data Sheet
according to OSHA HCS

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 Cover, Inc.
2355 Highway 36 West
Suite # 400
Roseville
MN 55113
USA
Information department: technics.americas@siga.swiss
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)
Information concerning particular hazards for human and environment:
The product does not have to be labelled due to the calculation procedure of international guidelines.
Classification system:
The classification was made according to the latest editions of international substances lists and expanded upon from company and literature data.

2.2 GHS Label elements
Observe the general safety regulations when handling chemicals. The product is not subject to identification regulation according to directives on hazardous materials.

Label elements
GHS label elements: Void
Hazard pictograms: Void
Signal word: Void
Hazard statements: Void

Classification system:
NFPA ratings (scale 0 – 4):

Health = 0
Fire = 0
Reactivity = 0

HMIS ratings (scale 0 – 4):

Health = 0
Fire = 0
Reactivity = 0

2.3 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.

Results of PBT and vPvB assessment

PBT: Not applicable
vPvB: Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS*

Chemical characterisation:	Mixtures
Description:	Sealent based on silane-terminated polymers (hybrid)
Dangerous components:	2768-02-2 trimethoxyvinylsilan <2.5%
Additional information:	For the wording of the listed hazard phrases refer to section 16.

4. FIRST AID MEASURES*

4.1 Description of first aid measures

After inhalation	Supply fresh air; If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
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. Then consult a doctor.
After swallowing	Do not induce vomiting; immediately call for medical help.

5. FIRE-FIGHTING MEASURES*

Extinguishing media

Suitable extinguishing agents

CO_2, 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.

5.1 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.

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:	Prevent any seepage into the ground.
Information about storage in one common storage facility:	Store away from foodstuffs
Further information about storage conditions:	Store in cool, dry conditions in well-sealed receptacles. Protect from heat and direct sunlight.

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:
Additional Occupational Exposure Limit Values for possible hazards during processing:
67-56-1 methanol

PEL Long-term value:	260 mg/m^3, 200 ppm
REL Short-term value:	325 mg/m^3, 250 ppm
Long-term value:	260 mg/m^3, 200 ppm
Skin	
TLV Short-term value:	328 mg/m^3, 250 ppm
Long-term value:	262 mg/m^3, 200 ppm
Skin; BEI	

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 word.
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 can not be calculated in advance and has therefore to be checked prior to the application.

	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. 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.

9. PHYSICAL AND CHEMICAL PROPERTIES*

9.1 Information on basic physical and chemical properties

General Information

Appearance

Form:	Pasty
Colour:	White
Odor:	Characteristic
pH-value	Not determined.
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 of 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

2768-02-4 trimethoxyvinylsilane

Oral	LD50	7.100mg/kg (rat)
Dermal	LD50	3.200 mg/kg (rab)
Inhalative	LC50/4h	16.8mg/l (rat)

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*

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.

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.

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, ADR, ADN, IMDG, IATA	Void
14.2	**UN proper shipping name**	
	DOT, ADR, ADN, IMDG, IATA	Void
14.3	**Transport hazard class(es)**	
	DOT, ADR, ADN, IMDG, IATA	
	Class	Void
14.4	**Packing group**	
	DOT, 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.

15. REGULATORY INFORMATION*

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

15.1

TSCA (Toxic Substances Control Act):	All of the components are listed.
Hazardous Air Pollutants	67-56-1 methanol
Prop 65 – chemical known to cause cancer	None of the ingredients is listed
GHS label elements	Void
Hazard pictograms	Void
Signal word	Void
Hazard statements	Void

National regulations:

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

Details of international registration status:

Listed on or in accordance with the following inventories

Canadian substance listings:

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

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

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 MSDS: quality management

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
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
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit

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