

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

- **1.1 Product identifier**
- **Trade name:** Meltell 220 black
- **Application of the substance / the mixture** Preparation of adhesives
- **1.3 Details of the supplier of the safety data sheet**

Manufacturer/Supplier: SIGA Cover AG,
Rüt mattstrasse 7,
CH-6017 Ruswil, Schweiz;
www.siga.swiss

Further information obtainable from:

Tel.: +41 41 499 69 43

E-Mail: roland.arnold@siga.swiss

- **1.4 Emergency telephone number:** Tel.Nr.: +41 41 499 69 69 (during our office hours)

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
The product is not classified according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:**
Ensure good ventilation during application and curing.
Contains N-(3-(trimethoxysilyl)propyl)ethylenediamine. May produce an allergic reaction. Safety data sheet available on request.
- **2.3 Other hazards**
During the application and curing process of the 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.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Adhesive based on silane-terminated polymers (hybrid)
- **Dangerous components:**

CAS: 2768-02-7	trimethoxyvinylsilane	< 2.5%
EINECS: 220-449-8	Flam. Liq. 3, H226; Acute Tox. 4, H332	
Reg.nr.: 01-2119513215-52-xxxx		
- **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 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.

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- 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; call for medical help immediately. Show container or label.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Do not inhale explosion gases or combustion gases. Mount respiratory protective device.

SECTION 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.*

SECTION 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.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** *No further data; see item 7.*
- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
- **CAS No. Designation of material % Type Value Unit**
- **Additional Occupational Exposure Limit Values for possible hazards during processing: 67-56-1 methanol**
*WEL Short-term value: 333 mg/m³, 250 ppm
Long-term value: 266 mg/m³, 200 ppm Sk*
- **Additional information:** *The lists valid during the making were used as basis.*

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- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
The usual precautionary measures are to be adhered to when handling chemicals. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.
- **Respiratory protection:**
This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type ABEK according to standard EN 14387) is used.
- **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 can not be calculated in advance and has therefore to be checked prior to the application.
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Recommended glove types: nitrile rubber
Recommended thickness of the material: 0.2 mm
- **Penetration time of glove material** Breakthrough time: > 60 min
- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - Form: *pasty*
 - Colour: *black*
 - Odour: *Pleasant*
 - Odour threshold: *Not determined.*
- **pH-value:**
- **Change in condition**
 - Melting point/freezing point: *undetermined*
 - Initial boiling point and boiling range: *undetermined*
- **Flash point:** *Not applicable*
- **Auto-ignition temperature:** *Product is not selfigniting.*
- **Explosive properties:** *Product does not present an explosion hazard.*
- **Explosion limits:**
 - Lower: *not applicable*
 - Upper: *not applicable*
- **Oxidising properties** *Not determined.*
- **Vapour pressure:** *Not determined.*
- **Density:** *see technical datasheet*
- **Vapour 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.*

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· **Viscosity:** Not determined.

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SECTION 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.
- **10.6 Hazardous decomposition products:** see item 5.2

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Other information (about experimental toxicology):**
Product hydrolyses under formation of methanol (CAS no. 67-56-1). Methanol is toxic by inhalation, in contact with skin and if swallowed. Methanol causes damage to organs. Methanol is highly flammable. Inhalation of aerosol spray may damage health.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow product to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 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 may be recycled after thorough and proper cleaning.

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Packagings that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR, ADN, IMDG, IATA** Void
- **14.2 UN proper shipping name**
- **ADR, ADN, IMDG, IATA** Void
- **14.3 Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **Class** Void
- **14.4 Packing group**
- **ADR, IMDG, IATA** Void
- **14.5 Environmental hazards:** Not applicable.
- **14.6 Special precautions for user** Not applicable.
- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.
- **Transport/Additional information:** Not dangerous according to the above specifications.
- **UN "Model Regulation":** Void

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **National regulations**
- **Waterhazard 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:
 - AICS - Australia listed
 - EINECS - Europe listed
 - DSL/NDSL - Canada listed
 - IECSC - China not listed
 - ENCS - Japan not listed
 - NZIoC - New Zealand not listed
 - PICCS - Philippines not listed
 - ECL/KECI - Korea not listed
 - TSCA - USA listed
 - NECI - Taiwan listed
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 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.

- **Relevant phrases**
H226 Flammable liquid and vapour.
H332 Harmful if inhaled.
- **Department issuing SDS:** Tel.: +41 41 499 69 69
- Contact:** Tel.: +41 41 499 69 43

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· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

· * Data compared to the previous version altered.

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