1 Identification

· Product identifier
  · Trade name: M25611 Griptide Sail White
  · Article number: M25611
· Application of the substance / the mixture Coating
· Details of the supplier of the safety data sheet
  · Manufacturer/Supplier:
    SEM Products Inc.
    1685 Overview Drive
    Rock Hill, SC  29730
    803 207 8225
  · Information department:
    cust_care@semproducts.com : SEM Products,Inc. 1685 Overview Dr. Rock Hill, SC 29730 : phone 1-800-831-1122, M - TH 7am - 4pm EDT
· Emergency telephone number: CHEMTREC 1-800-424-9300

2 Hazard(s) identification

· Classification of the substance or mixture
  · GHS02 Flame
    Flam. Liq. 2  H225  Highly flammable liquid and vapor.
  · GHS08 Health hazard
    Carc. 2    H351  Suspected of causing cancer.
    Repr. 2    H361  Suspected of damaging fertility or the unborn child.
· Label elements
  · GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).
  · Hazard pictograms
    GHS02  GHS08

· Signal word Danger
· Hazard statements
  H225  Highly flammable liquid and vapor.
  H351  Suspected of causing cancer.
  H361  Suspected of damaging fertility or the unborn child.
· Precautionary statements
  P201  Obtain special instructions before use.
  P202  Do not handle until all safety precautions have been read and understood.
  P210  Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
  P233  Keep container tightly closed.
  P240  Ground/bond container and receiving equipment.
  P241  Use explosion-proof electrical/ventilating/lighting/equipment.

(Contd. on page 2)
Trade name: M25611 Griptide Sail White

P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P308+P313 If exposed or concerned: Get medical advice/attention.
P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Classification system:
· NFPA ratings (scale 0 - 4)

Health = 0
Fire = 3
Reactivity = 0

· HMIS-ratings (scale 0 - 4)

HEALTH 0
FIRE 3
REACTIVITY 0

· Other hazards
· Results of PBT and vPvB assessment
· PBT: Not applicable.
· vPvB: Not applicable.

3 Composition/information on ingredients

· Chemical characterization: Mixtures
· Description:
  Mixture: consisting of the following components.
  Weight percentages

· Dangerous components:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>123-86-4</td>
<td>n-butyl acetate</td>
</tr>
<tr>
<td>540-88-5</td>
<td>tert-butyl acetate</td>
</tr>
<tr>
<td>110-43-0</td>
<td>heptan-2-one</td>
</tr>
<tr>
<td>25053-09-2</td>
<td>Acrylic Polymer</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>xylene</td>
</tr>
<tr>
<td>67-64-1</td>
<td>acetone</td>
</tr>
<tr>
<td>108-88-3</td>
<td>toluene</td>
</tr>
<tr>
<td>100-41-4</td>
<td>ethylbenzene</td>
</tr>
</tbody>
</table>

4 First-aid measures

· Description of first aid measures
· After inhalation: Supply fresh air; consult doctor in case of complaints.
Trade name: M25611 Griptide Sail White

- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
  - Most important symptoms and effects, both acute and delayed: No further relevant information available.
  - Indication of any immediate medical attention and special treatment needed: No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
  - CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Advice for firefighters**
  - **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
  - Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/surface or ground water.
- **Methods and material for containment and cleaning up:**
  - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  - Dispose contaminated material as waste according to item 13.
  - Ensure adequate ventilation.
- **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.
- **Protective Action Criteria for Chemicals**
  - **PAC-1:**
    - 123-86-4 n-butyl acetate 5 ppm
    - 13463-67-7 titanium dioxide 30 mg/m³
    - 540-88-5 tert-butyl acetate 600 ppm
    - 110-43-0 heptan-2-one 150 ppm
    - 1330-20-7 xylene 130 ppm
    - 67-64-1 acetone 200 ppm
    - 108-88-3 toluene 67 ppm
    - 112945-52-5 SILICA 18 mg/m³
    - 108-65-6 2-methoxy-1-methylethyl acetate 50 ppm
    - 78-93-3 butanone 200 ppm
    - 100-41-4 ethylbenzene 33 ppm
    - 77-58-7 dibutyltin dilaurate 1.1 mg/m³
    - 14808-60-7 Quartz (SiO2) 0.075 mg/m³
### Handling and storage

**Handling:**

- **Precautions for safe handling** No special measures required.

- **Information about protection against explosions and fires:**
  - Keep ignition sources away - Do not smoke.
  - Protect against electrostatic charges.

(Contd. on page 5)
8 Exposure controls/personal protection

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

· Control parameters
· Components with limit values that require monitoring at the workplace:
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the remaining constituent has no known exposure limits.

<table>
<thead>
<tr>
<th>123-86-4 n-butyl acetate</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL</td>
</tr>
<tr>
<td>REL</td>
</tr>
<tr>
<td>TLV</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>540-88-5 tert-butyl acetate</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL</td>
</tr>
<tr>
<td>REL</td>
</tr>
<tr>
<td>TLV</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>110-43-0 heptan-2-one</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL</td>
</tr>
<tr>
<td>REL</td>
</tr>
<tr>
<td>TLV</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1330-20-7 xylene</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL</td>
</tr>
<tr>
<td>REL</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>TLV</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>67-64-1 acetone</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL</td>
</tr>
<tr>
<td>REL</td>
</tr>
<tr>
<td>TLV</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>
# Trade name: M25611 Griptide Sail White

## 108-88-3 toluene

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL Long-term value</td>
<td>200 ppm</td>
</tr>
<tr>
<td>Ceiling limit value</td>
<td>300; 500* ppm</td>
</tr>
<tr>
<td>*10-min peak per 8-hr shift</td>
<td></td>
</tr>
<tr>
<td>REL Short-term value</td>
<td>560 mg/m³, 150 ppm</td>
</tr>
<tr>
<td>Long-term value</td>
<td>375 mg/m³, 100 ppm</td>
</tr>
<tr>
<td>TLV Long-term value</td>
<td>75 mg/m³, 20 ppm</td>
</tr>
</tbody>
</table>

## 100-41-4 ethylbenzene

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL Long-term value</td>
<td>435 mg/m³, 100 ppm</td>
</tr>
<tr>
<td>REL Short-term value</td>
<td>545 mg/m³, 125 ppm</td>
</tr>
<tr>
<td>Long-term value</td>
<td>435 mg/m³, 100 ppm</td>
</tr>
<tr>
<td>TLV Long-term value</td>
<td>87 mg/m³, 20 ppm</td>
</tr>
</tbody>
</table>

### Ingredients with biological limit values:

#### 1330-20-7 xylene

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEI 1.5 g/g creatinine</td>
<td></td>
</tr>
<tr>
<td>Medium: urine</td>
<td></td>
</tr>
<tr>
<td>Time: end of shift</td>
<td></td>
</tr>
<tr>
<td>Parameter: Methylhippuric acids</td>
<td></td>
</tr>
</tbody>
</table>

#### 67-64-1 acetone

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEI 50 mg/L</td>
<td></td>
</tr>
<tr>
<td>Medium: urine</td>
<td></td>
</tr>
<tr>
<td>Time: end of shift</td>
<td></td>
</tr>
<tr>
<td>Parameter: Acetone (nonspecific)</td>
<td></td>
</tr>
</tbody>
</table>

#### 108-88-3 toluene

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEI 0.02 mg/L</td>
<td></td>
</tr>
<tr>
<td>Medium: blood</td>
<td></td>
</tr>
<tr>
<td>Time: prior to last shift of workweek</td>
<td></td>
</tr>
<tr>
<td>Parameter: Toluene</td>
<td></td>
</tr>
<tr>
<td>0.03 mg/L</td>
<td></td>
</tr>
<tr>
<td>Medium: urine</td>
<td></td>
</tr>
<tr>
<td>Time: end of shift</td>
<td></td>
</tr>
<tr>
<td>Parameter: Toluene</td>
<td></td>
</tr>
<tr>
<td>0.3 mg/g creatinine</td>
<td></td>
</tr>
<tr>
<td>Medium: urine</td>
<td></td>
</tr>
<tr>
<td>Time: end of shift</td>
<td></td>
</tr>
<tr>
<td>Parameter: o-Cresol with hydrolysis (background)</td>
<td></td>
</tr>
</tbody>
</table>
Trade name: M25611 Griptide Sail White

100-41-4 ethylbenzene

BEI 0.7 g/g creatinine
Medium: urine
Time: end of shift at end of workweek
Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative)

Medium: end-exhaled air
Time: not critical
Parameter: Ethyl benzene (semi-quantitative)

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

Exposure controls

Personal protective equipment:

General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.

Breathing equipment: Not required.

Protection of hands:
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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.

Penetration time of glove material
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information
Appearance:
Form: Liquid
Color: White
Odor: Characteristic
Odor threshold: Not determined.

pH-value: Not determined.

Change in condition
Melting point/Melting range: Undetermined.
**10 Stability and reactivity**

- **Reactivity:** No further relevant information available.
- **Chemical stability:**
  - **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
  - **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.
11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
  - Primary irritant effect:
    - on the skin: No irritant effect.
    - on the eye: No irritating effect.
  - Sensitization: No sensitizing effects known.
- Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

- Carcinogenic categories
  - IARC (International Agency for Research on Cancer)
    - 13463-67-7 titanium dioxide 2B
    - 1330-20-7 xylene 3
    - 108-88-3 toluene 3
    - 100-41-4 ethylbenzene 2B
    - 14808-60-7 Quartz (SiO2) 1
  - NTP (National Toxicology Program)
    - 14808-60-7 Quartz (SiO2) K
  - OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

- Toxicity
  - Aquatic toxicity: No further relevant information available.
  - Persistence and degradability No further relevant information available.
- Behavior in environmental systems:
  - Bioaccumulative potential No further relevant information available.
  - Mobility in soil No further relevant information available.
- Additional ecological information:
  - General notes:
    Water hazard class 1 (Self-assessment): slightly hazardous for water
    Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
- Other adverse effects No further relevant information available.

13 Disposal considerations

- Waste treatment methods
- Recommendation:
  Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
14 Transport information

- UN-Number
  - DOT, ADR, IMDG, IATA UN1263

- UN proper shipping name
  - DOT Pain
  - ADR 1263 Paint, special provision 640D
  - IMDG, IATA PAINT

- Transport hazard class(es)
  - DOT
    - Class 3 Flammable liquids
    - Label 3

- ADR, IMDG, IATA
  - Class 3 Flammable liquids
  - Label 3

- Packing group
  - DOT, ADR, IMDG, IATA II

- Environmental hazards:
  - Marine pollutant: No

- Special precautions for user
  - EMS Number: Warning: Flammable liquids
  - Stowage Category: B

- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

- Transport/Additional information:
  - DOT
    - Quantity limitations On passenger aircraft/rail: 5 L
    - On cargo aircraft only: 60 L

- ADR
  - Excepted quantities (EQ) Code: E2
    - Maximum net quantity per inner packaging: 30 ml
    - Maximum net quantity per outer packaging: 500 ml
### 15 Regulatory information

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

  - **Sara**
    - Section 355 (extremely hazardous substances):
      
        None of the ingredient is listed.

  - Section 313 (Specific toxic chemical listings):
    
      - Acrylic Resin
      - 1330-20-7 xylene
      - 108-88-3 toluene
      - 78-93-3 butanone
      - 100-41-4 ethylbenzene

- **TSCA (Toxic Substances Control Act):**
  
    - 1317-65-3 GROUND CALCIUM CARBONATE
    - 66070-58-4 Styrene-Ethylene/Butylene-Styrene block Copolymer
    - 125-86-4 n-butyl acetate
    - 13463-67-7 titanium dioxide
    - 540-88-5 tert-butyl acetate
    - 110-43-0 heptan-2-one
    - 25053-09-2 Acrylic Polymer
    - 1330-20-7 xylene
    - 67-64-1 acetone
    - 108-88-3 toluene
    - 108-65-6 2-methoxy-1-methylethyl acetate
    - 64742-88-7 Solvent naphtha (petroleum), medium aliph.
    - 78-93-3 butanone
    - 100-41-4 ethylbenzene
    - 61791-55-7 Amines, N-tallow alkyltrimethylenedi-
    - 77-58-7 dibutyltin dilaurate
    - 14808-60-7 Quartz (SiO2)
    - 9038-95-3 OXIRANE,ME, POLYMER
    - 19349-80-5 4,6-dimethylheptan-2-one
    - 108-83-8 2,6-dimethylheptan-4-one
    - 7732-18-5 water
Trade name: M25611 Griptide Sail White

### TSCA new (21st Century Act) (Substances not listed)
- 25053-09-2 Acrylic Polymer

### Proposition 65

#### Chemicals known to cause cancer:
- 13463-67-7 titanium dioxide
- 1330-20-7 xylene
- 100-41-4 ethylbenzene
- 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:
- 108-88-3 toluene

### Cancerogenity categories

#### EPA (Environmental Protection Agency)
<table>
<thead>
<tr>
<th>Substance</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>1330-20-7 xylene</td>
<td>I</td>
</tr>
<tr>
<td>67-64-1 acetone</td>
<td>I</td>
</tr>
<tr>
<td>108-88-3 toluene</td>
<td>II</td>
</tr>
<tr>
<td>78-93-3 butanone</td>
<td>I</td>
</tr>
<tr>
<td>100-41-4 ethylbenzene</td>
<td>D</td>
</tr>
</tbody>
</table>

#### TLV (Threshold Limit Value established by ACGIH)
<table>
<thead>
<tr>
<th>Substance</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>13463-67-7 titanium dioxide</td>
<td>A4</td>
</tr>
<tr>
<td>1330-20-7 xylene</td>
<td>A4</td>
</tr>
<tr>
<td>67-64-1 acetone</td>
<td>A4</td>
</tr>
<tr>
<td>108-88-3 toluene</td>
<td>A4</td>
</tr>
<tr>
<td>100-41-4 ethylbenzene</td>
<td>A3</td>
</tr>
<tr>
<td>77-58-7 dibutyltin dilaurate</td>
<td>A4</td>
</tr>
<tr>
<td>14808-60-7 Quartz (SiO2)</td>
<td>A2</td>
</tr>
</tbody>
</table>

#### NIOSH-Ca (National Institute for Occupational Safety and Health)
<table>
<thead>
<tr>
<th>Substance</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>13463-67-7 titanium dioxide</td>
<td></td>
</tr>
<tr>
<td>14808-60-7 Quartz (SiO2)</td>
<td></td>
</tr>
</tbody>
</table>

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

#### Hazard pictograms
- GHS02
- GHS08

#### Signal word
Danger

#### Hazard statements
- H225 Highly flammable liquid and vapor.
- H351 Suspected of causing cancer.
H361 Suspected of damaging fertility or the unborn child.

· Precautionary statements

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· 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 SDS: Environment protection department.
· Contact: Rita Joiner (rjoiner@semproducts.com)
· Date of preparation / last revision 03/14/2018 / 12
· Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
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
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
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)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
Flam. Liq. 2: Flammable liquids – Category 2
Carc. 2: Carcinogenicity – Category 2
Repr. 2: Reproductive toxicity – Category 2

* Data compared to the previous version altered.