1 Identification

· Product identifier
  · Product name: Ultra Flex Seam Sealer (Black)
  · Part number: 4167

· Relevant identified uses of the substance or mixture. Sealant. For Professional and Industrial Use Only.

· Application of the substance / the mixture Sealant

· Details of the supplier of the safety data sheet
  · Manufacturer/Supplier:
    Transtar Autobody Technologies
    2040 Heiserman Drive,
    Brighton, MI 48114
    Information Phone Number: 810 229 6224

· Emergency telephone number:
  ChemTrec: Day or Night within USA and Canada: 1-800-424-9300.
  Chemtrec Int’l: Outside USA and Canada: +001 703-527-3887 (collect calls accepted)

2 Hazard(s) identification

· Classification of the substance or mixture

  GHS02 Flame
  Flam. Sol. 1 H228 Flammable solid.

  GHS08 Health hazard
  Carc. 1B H350 May cause cancer.
  Repr. 2 H361 Suspected of damaging fertility or the unborn child.
  STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

  GHS07
  Skin Irrit. 2 H315 Causes skin irritation.
  Skin Sens. 1 H317 May cause an allergic skin reaction.
  Eye Irrit. 2B H320 Causes eye irritation.

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

- GHS02
- GHS07
- GHS08

Signal word Danger

Hazard statements
Flammable solid.
Causes skin and eye irritation.
May cause an allergic skin reaction.
May cause cancer.
Suspected of damaging fertility or the unborn child.
May cause damage to organs through prolonged or repeated exposure.

Precautionary statements
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Use explosion-proof electrical/ventilating/lighting/equipment.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wear protective gloves / eye protection / face protection.
Wear protective gloves.
Ground/bond container and receiving equipment.
Wash thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Specific treatment (see on this label).
Wash contaminated clothing before reuse.
If exposed or concerned: Get medical advice/attention.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Get medical advice/attention if you feel unwell.
In case of fire: Use for extinction: CO2, powder or water spray.
If on skin: Wash with plenty of water.
Take off contaminated clothing and wash it before reuse.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:
1.3 percent of the mixture consists of ingredient(s) of unknown toxicity.

Classification system:

- NFPA ratings (scale 0 - 4)

Health = 2
Fire = 3
Reactivity = 0
Part number: 4167

HMIS-ratings (scale 0 - 4)
- Health = *2
- Fire = 3
- Physical Hazard = 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 of the substances listed below with nonhazardous additions.

Hazardous components:
- 471-34-1 calcium carbonate 25-50%
- 108-88-3 toluene 5-20%
- 1332-58-7 Kaolin 2.5-10%
- 546-93-0 Magnesite 2.5-10%
- 64742-89-8 Solvent naphtha (petroleum), light aliph.(VM&P) \(\leq 2.5\%\)
- 1333-86-4 Carbon black \(\leq 0.5\%\)
- Binding Agent \(\leq 0.5\%

Additional information:
It is highly unlikely the powders and pigments compounded within this product would pose a hazardous risk from inhalation as they are no longer a respirable particulate. Exposure to these ingredients as used in sealants, putties, bedding compounds and other non-sprayable products is highly unlikely. The concentrations listed in the composition section are percent by weight unless a gas. Gas concentrations are expressed in percent by volume.

4 First-aid measures

Description of first aid measures
- After inhalation: Overexposure, remove to fresh air and seek medical attention.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for 20 minutes under running water. If eye becomes irritated, obtain medical treatment.
- Information for doctor:
  - Most important symptoms and effects, both acute and delayed Can cause skin sensitization and allergic reation.
  - 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.
- Special hazards arising from the substance or mixture
  Formation of toxic gases is possible during heating or in case of fire.

(Contd. on page 4)
Safety Data Sheet  
acc. to OSHA HCS

Part number: 4167

- Advice for firefighters
- Protective equipment: Protective clothing and respiratory protective device.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation.
- Environmental precautions: Do not allow to enter sewers/surface or ground water.
- Methods and material for containment and cleaning up:
  Dispose of contaminated material as waste in accordance with federal state and local regulations.
  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.

7 Handling and storage

- Handling:
  - Precautions for safe handling
    Avoid prolonged or repeated contact with skin.
    Avoid contact with eyes.
    Wash thoroughly after handling.
    Persons with history of skin sensitization problems should not work around any process that uses this product.
  - Information about protection against explosions and fires: Keep container closed when not in use.
- Conditions for safe storage, including any incompatibilities
- Storage:
  - Requirements to be met by storerooms and receptacles: No special requirements.
  - Information about storage in one common storage facility: Keep away from open flames and high temperatures.
  - Further information about storage conditions: Keep receptacle tightly sealed.
  - Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

- Control parameters
- Components with limit values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>Substance</th>
<th>PEL Long-term value:</th>
<th>REL Long-term value:</th>
<th>TLV Long-term value:</th>
</tr>
</thead>
<tbody>
<tr>
<td>471-34-1 calcium carbonate</td>
<td>15* 5** mg/m³</td>
<td>10* 5** mg/m³</td>
<td>TLV withdrawn</td>
</tr>
<tr>
<td></td>
<td>*total dust **respirable fraction</td>
<td>*total dust **respirable fraction</td>
<td></td>
</tr>
<tr>
<td>108-88-3 toluene</td>
<td>200 ppm</td>
<td>560 mg/m³, 150 ppm</td>
<td>75 mg/m³, 20 ppm</td>
</tr>
<tr>
<td></td>
<td>Ceiling limit value: 300; 500* ppm</td>
<td>Long-term value: 375 mg/m³, 100 ppm</td>
<td>BEI</td>
</tr>
<tr>
<td></td>
<td>*10-min peak per 8-hr shift</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*(Contd. on page 3)*

*(Contd. on page 4)*
### Kaolin

**PEL**
Long-term value: 15** mg/m³
*total dust **respirable fraction

**REL**
Long-term value: 10** mg/m³
*total dust **respirable fraction

**TLV**
Long-term value: 2 mg/m³
E; as respirable fraction

---

### Magnesite

**PEL**
Long-term value: 15** mg/m³
*total dust **respirable fraction

**REL**
Long-term value: 10** mg/m³
*total dust **respirable fraction

**TLV**
Long-term value: 15* mg/m³
*total dust **respirable fraction

---

### Carbon black

**PEL**
Long-term value: 3.5 mg/m³

**REL**
Long-term value: 3.5 mg/m³
0.1 in presence of PAHs; See Pocket Guide Apps.A+C

**TLV**
Long-term value: 3 mg/m³
*inhalable fraction

---

### Ingredients with biological limit values:

**108-88-3 toluene**

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

---

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

### Exposure controls

- Personal protective equipment (see listings below)
- General protective and hygienic measures:
  
  Keep away from foodstuffs, beverages and feed.
  
  Immediately remove all soiled and contaminated clothing.
  
  Wash hands before breaks and at the end of work.
  
  Store protective clothing separately.

### Breathing equipment:

Use approved respiratory protection equipment when airborne exposure is excessive. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer.
40.1.1 · Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

· Material of gloves
  Nitrile rubber, NBR
  Chloroprene rubber, CR

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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:
  Safety glasses with side shields.

Tightly sealed goggles

· Body protection: Protective work clothing

9 Physical and chemical properties

· Information on basic physical and chemical properties
  · General Information
  · Appearance:
    Form: Pasty Solid
    Color: Black
    Odor: Like aromatic solvents
    Odor threshold: Not determined.
  · pH-value: Not determined.

· Change in condition
  Melting point: Undetermined.
  Boiling point: Undetermined

· Flash point: 7 °C (45 °F)

· Flammability (solid, gaseous): Not determined.

· Ignition temperature:
  Decomposition temperature: Not determined.
  Auto igniting: Product is not selfigniting.
  Danger of explosion: Product is not explosive. However, formation of flammable air/vapor mixtures are possible.

(Contd. on page 7)
### Part number: 4167

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flammable limits:</strong></td>
<td></td>
</tr>
<tr>
<td>Lower</td>
<td>1.2%</td>
</tr>
<tr>
<td>Upper</td>
<td>7%</td>
</tr>
<tr>
<td><strong>Vapor pressure:</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Specific gravity at 20 °C (68 °F):</strong></td>
<td>1.3 g/cm³ (10.849 lbs/gal)</td>
</tr>
<tr>
<td><strong>Relative density</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Vapour density</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Solubility in / Miscibility with Water:</strong></td>
<td>Not soluble</td>
</tr>
<tr>
<td><strong>Partition coefficient (n-octanol/water):</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Viscosity:</strong></td>
<td></td>
</tr>
<tr>
<td>Dynamic</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Kinematic</td>
<td>&gt;20.5 cSt</td>
</tr>
<tr>
<td><strong>Solvent content:</strong></td>
<td></td>
</tr>
<tr>
<td>Organic solvents</td>
<td>&lt;25 %</td>
</tr>
<tr>
<td>Solids content</td>
<td>75.0 %</td>
</tr>
<tr>
<td><strong>Other information</strong></td>
<td></td>
</tr>
<tr>
<td>VOC content</td>
<td>246 g/L</td>
</tr>
<tr>
<td>Compliant to SCAQMD 1168</td>
<td></td>
</tr>
</tbody>
</table>

#### 10 Stability and reactivity

- Reactivity
- 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** Heat, flames, sparks, hot surfaces, ignition sources.
- **Incompatible materials:** Reacts with oxidizing agents.
- **Hazardous decomposition products:** No dangerous decomposition products known.

#### 11 Toxicological information

- **Information on toxicological effects**
- Acute toxicity:
  - **LD/LC50 values that are relevant for classification:**

  **108-88-3 toluene**

<table>
<thead>
<tr>
<th>Route</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>LD50 5000 mg/kg (rat)</td>
</tr>
<tr>
<td>Dermal</td>
<td>LD50 12124 mg/kg (rabbit)</td>
</tr>
<tr>
<td>Inhalative</td>
<td>LC50/4 h 5320 mg/l (mouse)</td>
</tr>
</tbody>
</table>

- **Primary irritant effect:**
- **on the skin:** May irritate the skin.
- **on the eye:** May irritate the eye.
- **Sensitization:** Skin Contact - Sensitization possible through skin contact.

(Contd. on page 8)
Part number: 4167

40.1.1 Additional toxicological information:

- Carcinogenic categories
  - IARC (International Agency for Research on Cancer)
    - 108-88-3 toluene 3
    - 1333-86-4 Carbon black 2B
  - 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

- Toxicity
  - Aquatic toxicity: Not expected to be harmful to aquatic organisms
  - 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: At present there are no ecotoxicological assessments.
  - 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:
    Small amounts can be disposed of with household waste after the product has cured or skinned over. Larger quantities should be disposed of according to state and local regulation.

- Uncleaned packagings:
  - Recommendation: Disposal must be made according to official regulations.
  - Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

- UN-Number
  - DOT, IMDG, IATA: UN1131
- UN proper shipping name
  - DOT, IMDG, IATA: Adhesive
Part number: 4167

Transport hazard class(es)

- DOT, IMDG, IATA
  - UN1133, Adhesive, 3, PGII

Packing group

- DOT, ADR, IMDG, IATA
  - II

Environmental hazards:

Not applicable.

Special precautions for user

Limited quantity or Consumer Commodity, ORM-D if 5L or less per inner container.

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

Sara

- Section 355 (extremely hazardous substances):
  - None of the ingredients is listed.

- Section 313 (Specific toxic chemical listings):
  - 108-88-3 toluene

TSCA (Toxic Substances Control Act):

- All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

Proposition 65

- Chemicals known to cause cancer:
  - 64742-89-8 Solvent naphtha (petroleum), light aliph.(VM&P)
  - 1333-86-4 Carbon black

- Chemicals known to cause reproductive toxicity:
  - 108-88-3 toluene

(Contd. on page 10)
Cancerogenity categories

- EPA (Environmental Protection Agency)
  108-88-3 toluene

- TLV (Threshold Limit Value established by ACGIH)
  108-88-3 toluene
  1332-58-7 Kaolin
  1333-86-4 Carbon black

- MAK (German Maximum Workplace Concentration)
  1333-86-4 Carbon black

- NIOSH-Ca (National Institute for Occupational Safety and Health)
  1333-86-4 Carbon black

Information about limitation of use: Use by properly trained workers recommended.

Water hazard class: Generally not hazardous for water.

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

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16 Other information

Although the information and recommendations set forth in this SDS are presented in good faith and are believed to be correct as of the date of this SDS, Transtar Automotive Technologies makes no representations as to the completeness or accuracy thereof. Information is supplied on the condition that the persons receiving and using it will make their own determination as to the suitability for their purpose prior to use. In no event will Transtar Automotive Technologies or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the SDS.

- SDS prepared by: Transtar Autobody Technologies
- Creation Date: 04/01/2015
- Date of preparation / last revision 04/17/2015 / 3
- Abbreviations and acronyms:
  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)
  LC50: Lethal concentration, 50 percent
  LDI50: Lethal dose, 50 percent
  Flam. Sol. 1: Flammable solids, Hazard Category 1
  Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
  Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B
  Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
  Carc. 1B: Carcinogenicity, Hazard Category 1B
  Rep. 2: Reproductive toxicity, Hazard Category 2
  STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2

*