SECTION 1: IDENTIFICATION

1.1. Product Identifier
Product Name: Ultra Flex® Seam Sealer & Adhesive
Product Number: 4172, 4175

1.2. Intended Use of the Product: Adhesive, Sealant, or Coating. For Professional and Industrial Use Only.
Uses advised against: Not for sale to the general public.

1.3. Name, Address, and Telephone of the Responsible Party
Company
Transtar Autobody Technologies
2040 Heiserman Drive
Brighton, MI 48116
800-824-2843

1.4. Emergency Telephone Number
Emergency Number: Chemtrec 800-424-9300 (USA/Canada) 703-527-3887 (International)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture
Eye Irritation Category 2A
Skin Sensitizer Category 1
Reproductive Toxicity. Category 1B

2.2. Label Elements
Hazard Pictograms

![Hazard Pictogram]

Signal Word
Danger

Hazard Statements
Causes serious eye irritation. May cause an allergic skin reaction. May damage fertility or the unborn child.

Precautionary Statements
General:
Keep out of the reach of children.
Before use, read, understand, and comply with complete SDS.

Prevention:
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid breathing mist/spray/vapors.
Wash hands, forearms, and other exposed areas thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Wear eye protection, protective clothing, protective gloves.

Response:
IF ON SKIN: Wash with plenty of water.
IF IN EYES: Rinse continuously with water for several minutes.
Remove contact lenses, of present and easy to do. Continue rinsing.
If exposed or concerned: Get medical advice/attention.
Specific treatment (see Section 4 on this SDS).
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.

Storage:
Store locked up.

Disposal:
Dispose of contents/container in accordance with local, regional, national, and international regulations.

2.3. Other Hazards
Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity: This product contains no components with unknown acute toxicity.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

More than one of the ranges of concentration prescribed by Controlled Products Regulations has been used where necessary due to varying composition.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Product Identifier (CAS#)</th>
<th>% (w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymer</td>
<td>Trade Secret*</td>
<td>15 – 40 Trade Secret*</td>
</tr>
<tr>
<td>Plasticizer</td>
<td>Trade Secret*</td>
<td>1 – 10 Trade Secret*</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>471-34-1</td>
<td>5 – 30 Trade Secret*</td>
</tr>
<tr>
<td>Limestone</td>
<td>1317-65-3</td>
<td>30 – 60 Trade Secret*</td>
</tr>
<tr>
<td>Light Stabilizer</td>
<td>52829-07-9</td>
<td>&lt;1 Trade Secret*</td>
</tr>
<tr>
<td>Light Stabilizer</td>
<td>25973-55-1</td>
<td>&lt;1 Trade Secret*</td>
</tr>
<tr>
<td>Petroleum Distillate</td>
<td>64742-47-8</td>
<td>1 – 10 Trade Secret*</td>
</tr>
<tr>
<td>Drying Agent</td>
<td>2768-02-7</td>
<td>0.5 – 3 Trade Secret*</td>
</tr>
<tr>
<td>Adhesion Promoter</td>
<td>Trade Secret*</td>
<td>0.5 – 3 Trade Secret*</td>
</tr>
<tr>
<td>Catalyst</td>
<td>818-08-6</td>
<td>&lt;1 Trade Secret*</td>
</tr>
<tr>
<td>TiO₂</td>
<td>13463-67-7</td>
<td>Trade Secret*</td>
</tr>
<tr>
<td>Stearic acid</td>
<td>57-11-4</td>
<td>&lt;1 Trade Secret*</td>
</tr>
<tr>
<td>Quartz</td>
<td>14808-60-7</td>
<td>&lt;1 Trade Secret*</td>
</tr>
</tbody>
</table>

*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES
4.1. Description of First Aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible). Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

**Skin Contact:** Rinse immediately with plenty of water. Remove contaminated clothing. Wash contaminated clothing before reuse. Obtain medical attention if irritation develops or persists.

**Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

**Ingestion:** Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

**General:** May cause an allergic skin reaction.

**Inhalation:** May cause respiratory irritation.

**Skin Contact:** May cause an allergic skin reaction.

**Eye Contact:** Redness, pain, swelling, itching, burning, tearing, and blurred vision.

**Ingestion:** Ingestion is likely to be harmful or have adverse effects.

**Chronic Symptoms:** May damage fertility or the unborn child.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

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**SECTION 5: FIRE-FIGHTING MEASURES**

5.1. Extinguishing Media

**Suitable Extinguishing Media:** Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Not considered flammable but may burn at high temperatures.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory

**Hazardous Combustion Products:** Carbon oxides (CO, CO$_2$), hydrocarbons, fumes, smoke, aldehydes, HCL, ketones, silica, formaldehyde, and nitrogen products.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Avoid all contact with skin, eyes, or clothing.

6.1.1. For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

6.1.2. For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.

6.2. Environmental Precautions
Prevent entry to sewers and public waters. Notify authorities if paste enters sewers or public waters.

6.3. Methods and Material for Containment and Cleaning Up
For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact appropriate authorities after a spill.

6.4. Reference to Other Sections
See section 8. Exposure controls and personal protection.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling
Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters
For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Location</th>
<th>Agency</th>
<th>Limit type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Oxide</td>
<td>Mexico</td>
<td>OEL TWA (mg/m³)</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>(1305-78-8)</td>
<td>USA ACGIH</td>
<td>ACGIH TWA (mg/m³)</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td></td>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td></td>
<td>USA NIOSH</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td></td>
<td>USA IDLH</td>
<td>US IDLH (mg/m³)</td>
<td>25 mg/m³</td>
</tr>
<tr>
<td>Carbon black</td>
<td>Mexico</td>
<td>OEL TWA (mg/m³)</td>
<td>3.5 mg/m³</td>
</tr>
<tr>
<td>(1333-86-4)</td>
<td>Mexico</td>
<td>OEL STEL (mg/m³)</td>
<td>7 mg/m³</td>
</tr>
<tr>
<td></td>
<td>USA ACGIH</td>
<td>ACGIH TWA (mg/m³)</td>
<td>3 mg/m³ (inhalable fraction)</td>
</tr>
<tr>
<td></td>
<td>USA ACGIH</td>
<td>ACGIH chemical category</td>
<td>Confirmed Animal Carcinogen with Unknown Relevance to Humans</td>
</tr>
<tr>
<td></td>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>3.5 mg/m³</td>
</tr>
<tr>
<td></td>
<td>USA NIOSH</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td>3.5 mg/m³ 0.1 mg/m³ (Carbon black in presence of Polycyclic aromatic hydrocarbons)</td>
</tr>
<tr>
<td></td>
<td>USA IDLH</td>
<td>US IDLH (mg/m³)</td>
<td>1750 mg/m³</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>USA NIOSH</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td>10 mg/m³ (total dust) 5 mg/m³ (respirable dust)</td>
</tr>
<tr>
<td>(471-34-1)</td>
<td>Mexico</td>
<td>OEL TWA (mg/m³)</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>Limestone</td>
<td>Mexico</td>
<td>OEL STEL (mg/m³)</td>
<td>20 mg/m³</td>
</tr>
<tr>
<td>(1317-65-3)</td>
<td>Mexico</td>
<td>OEL STEL (mg/m³)</td>
<td>20 mg/m³</td>
</tr>
</tbody>
</table>
USA OSHA  
OSHA PEL (TWA) (mg/m³) 15 mg/m³ (total dust)  
5 mg/m³ (respirable dust)

USA NIOSH  
NIOSH REL (TWA) (mg/m³) 10 mg/m³ (total dust)  
5 mg/m³ (respirable dust)

Quartz (14808-60-7)  
Mexico  
OEL TWA (mg/m³) 0.1 mg/m³ (respirable fraction)

USA ACGIH  
ACGIH TWA (mg/m³) 0.025 mg/m³ (respirable fraction)

USA ACGIH  
ACGIH chemical category A2 - Suspected Human Carcinogen

USA OSHA  
OSHA PEL (STEL) (mg/m³) 250 mppcf/%SiO +5, 10mg/m3/%SiO +2

USA NIOSH  
NIOSH REL (TWA) (mg/m³) 0.05 mg/m³ (respirable dust)

USA IDLH  
US IDLH (mg/m³) 50 mg/m³ (respirable dust)

Light Stabilizer  
(25973-55-1)  
Mexico  
Internal TWA (mg/m3) 2 mg/m³ Bemis RM

Titanium dioxide  
(13463-67-7)  
Mexico  
OEL TWA (mg/m³) 10 mg/m³

USA ACGIH  
ACGIH TWA (mg/m³) 20 mg/m³

USA ACGIH  
ACGIH chemical category No Classifiable as a Human Carcinogen

USA OSHA  
OSHA PEL (TWA) (mg/m³) 15 mg/m³ (total dust)

USA IDLH  
US IDLH (mg/m³) 5000 mg/m³

8.2. Exposure Controls

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. Emergency eye wash systems should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.


Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Not required under normal conditions of use.

Environmental Exposure Controls: Do not allow the product to be released into the environment.

Consumer Exposure Controls: Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State: Solid Paste
Appearance: Beige
Odor: Nil
Odor Threshold: No Data Available
pH: No Data Available
Evaporation Rate: No Data Available
Melting Point: No Data Available
Freezing Point: No Data Available
Boiling Point: No Data Available
Flash Point: > 205 °F
Auto-ignition Temperature: No Data Available
Decomposition Temperature: No Data Available
Flammability (solid, gas): No Data Available
Lower Flammable Limit: No Data Available
Upper Flammable Limit: No Data Available
Vapor Pressure: No Data Available
Relative Vapor Density at 20 °C: No Data Available
SECTION 10: STABILITY AND REACTIVITY

10.1. **Reactivity:** Hazardous reactions will not occur under normal conditions.

10.2. **Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).

10.3. **Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

10.4. **Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures. Ignition sources. Incompatible materials.

10.5. **Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers.

10.6. **Hazardous Decomposition Products:** None known.

SECTION 11: TOXICOLOGICAL INFORMATION

This information below may not be consistent with the material classification in Section 2. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, or the data may not be relevant to the material as a whole.

Finely divided Quartz has caused cancer and lung disease in workers that inhale it over an extended period of time. Additionally, there have been studies performed in animals that suggest Carbon Black and Titanium Dioxide may cause lung cancer through inhalation. Studies suggest, however, that these hazards are not associated with other routes of exposure. Since this product is in a liquid/paste form, none of these components are able to become airborne and cannot be inhaled. Thus, the hazards usually associated with Quartz, Carbon Black, or Titanium Dioxide are not applicable to this product.

11.1. **Information on Toxicological Effects - Product**

**Acute Toxicity:** Not classified

**LD50 and LC50 Data:** Not available

**Skin Corrosion/Irritation:** Not classified

**Serious Eye Damage/Irritation:** Causes serious eye irritation.

**Respiratory or Skin Sensitization:** May cause an allergic skin reaction.

**Teratogenicity:** Not available

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Reproductive Toxicity:** May damage fertility or the unborn child.

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** May cause respiratory irritation.

**Symptoms/Injuries After Skin Contact:** May cause an allergic skin reaction.

**Symptoms/Injuries After Eye Contact:** Redness, pain, swelling, itching, burning, tearing, and blurred vision.

**Symptoms/Injuries After Ingestion:** Ingestion is likely to be harmful or have adverse effects.

**Chronic Symptoms:** May damage fertility or the unborn child.

11.2. **Information on Toxicological Effects – Materials that may be ingredients identified in Section 3.**

**LD50 and LC50 Data:**

<table>
<thead>
<tr>
<th>Compound</th>
<th>LD50 Oral Rat</th>
<th>LC50 Dermal Rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz (14808-60-7)</td>
<td>&gt; 5000 mg/kg</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>Decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperidinyl) ester (52829-07-9)</td>
<td>500 mg/m³ (Exposure time: 4 h)</td>
<td></td>
</tr>
</tbody>
</table>
**Tinuvin 328 (Benzotriazole UV absorber) (25973-55-1)**
LD50 Oral Rat  > 2325 mg/kg

**Carbon black (1333-86-4)**
LD50 Oral Rat  > 8000 mg/kg
IARC Group  2B
OSHA Hazard Communication Carcinogen List

**Adhesion Promoter (Trade Secret)**
LD50 Oral Rat  74.60 uL/kg

**Silane, ethenyltrimethoxy- (2768-02-7)**
LC50 Inhalation Rat  16.8 mg/l/4h

**Tin, dibutylibis(2,4-pentanedionato-O,O')-, (OC-6-11)-(22673-19-4)**
LD50 Oral Rat  1864 mg/kg

**Titanium dioxide (13463-67-7)**
LD50 Oral Rat  > 10000 mg/kg
IARC Group  2B
OSHA Hazard Communication Carcinogen List

**Calcium Carbonate (471-34-1)**
LD50 Oral Rat  6450 mg/kg

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**SECTION 12: ECOLOGICAL INFORMATION**

**12.1. Toxicity** – Materials that may be ingredients identified in Section 3.
Ecology - General: Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

**Carbon black (1333-86-4)**
EC50 Daphnia 1  5600 mg/l (Exposure time: 24 h - Species: Daphnia magna)

**Petroleum distillates, hydrotreated light (64742-47-8)**
LC50 Fish 1  45 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC 50 Fish 2  2.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])

**1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich (68515-48-0)**
LC50 Fish 1  0.42 mg/l (Exposure time: 96 h - Species: Ictalurus punctatus [flow-through])
EC50 Daphnia 1  > 0.086 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC 50 Fish 2  > 0.16 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])

**Dibutyltin oxide (818-08-6)**
EC50 Daphnia 1  2 mg/l (Exposure time: 48 h, Species: Daphnia Magna)

**N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine (1760-24-3)**
LC50 Fish 1  597 mg/l (Species: Danio rerio)
EC50 Daphnia 1  81 mg/l
ErC50 (algae)  8.8 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata)
NOEC chronic fish  344 mg/l
NOEC chronic crustacea 35 mg/l
NOEC chronic algae  3.1 mg/l (Pseudokirchneriella subcapitata Exposure time: 96h)

**12.2. Persistence and Degradability** Not available

**12.3. Bioaccumulative Potential**

**Calcium Carbonate (471-34-1)**
BCF Fish 1  (no bioaccumulation)

**Petroleum distillates, hydrotreated light (64742-47-8)**
BCF Fish 1  61 - 159
12.4. Mobility in Soil
Stearic acid (57-11-4)
Log Koc  51.05

12.5. Other Adverse Effects
Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Combustion products may include HCl. Facility must be capable of handling halogenated materials. Proper destruction may require the use of additional fuel during incineration processes. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substance/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable wasted regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.


SECTION 14: TRANSPORT INFORMATION

14.1. In Accordance with DOT Not regulated for transport
14.2. In Accordance with IMDG Not regulated for transport
14.3. In Accordance with IATA Not regulated for transport
14.4. In Accordance with TDG Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations
TSCA: All components are listed or are exempt from listing on the Toxic Substance Control Act Inventory.

CERCLA/SARA Section 311/312 Hazard Classes: Immediate (acute) health hazard, Delayed (chronic) health hazard
CERCLA/SARA Section 313 - Emission Reporting: 0.1 %

15.2. US State Regulations
U.S. - California - Proposition 65 - Carcinogens List
WARNING: This product may contain one or all of the following chemicals known to the State of California to cause cancer or reproductive toxicity. Reference Section 3 for specific product composition.
Carbon black (1333-86-4)
Titanium dioxide (13463-67-7)
Quartz (14808-60-7)
DINP (68515-48-0)

Carbon black (1333-86-4)/ Titanium dioxide (13463-67-7)/ Limestone (1317-65-3)/ Quartz (14808-60-7)
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances (Only Carbon black (1333-86-4))
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

**SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION**

**Revision Date:** 2015-05-29  
**Other Information:** This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**Prepared By**  
Transtar Autobody Technologies  
2040 Heiserman Drive  
Brighton, MI 48116  
800-824-2843

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.