1. **Product and Company Identification**

**Product:**
- **Product Name:** SS-301A Difficult Substrate Adhesive
- **Intended Use:** Adhesive

**Manufacturer/Supplier:**
- Silicone Solutions
- 338 Remington Road
- Cuyahoga Falls, OH
- **Preparer:** Casey Linx
- **Chemical Family:** Silicone Rubber
- **Emergency Telephone Number:** 330-920-3125

2. **Hazards Identification**

**Classification of the substance or mixture:**
- Not classified

**GHS label Elements:**
- **Signal word:** No signal word
- **Hazard statements:** No known significant effects or critical hazards

**Precautionary Statements:**
- **General:** Not applicable
- **Prevention:** Not applicable
- **Response:** Not applicable
- **Storage:** Not applicable
- **Disposal:** Not applicable

**Other Hazard Information:**
- This product can generate formaldehyde upon exposure above 300 degrees centigrade in atmospheres that contains oxygen. Formaldehyde is a skin, eye, and throat irritant.

3. **Composition/Information on Ingredients**

**Chemical Characterization:**
- **Formula:** Mixture

**Composition and Information on Ingredients:** Non-hazardous components of the mixture unless otherwise specified.

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>Approximate % Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vinyl Oximino Silane</td>
<td>2224-33-1</td>
<td>1-5</td>
</tr>
</tbody>
</table>

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.
4. First Aid Measures

General Information:
  Ingestion: None known.
  Skin: Wash with soap and water.
  Inhalation: None known.
  In case of eye contact: Flush with water for fifteen minutes and get medical attention if irritation persists.

Note to Physician: None known.

5. Firefighting Measures

Flammability Properties:
  Flash Point: > 300°C or 600°F
  Method: COC
  Ignition Temperature: Unknown
  Flammable Limits in Air - Upper %: NA
  Flammability Limits in Air - Lower %: NA
  Sensitivity to Mechanical Impact: No
  Sensitivity to Static Discharge: No

Extinguishing Media: All standard firefighting material.

Special Firefighting Procedures: None known.

6. Accidental Release Measures

Action to be taken if material is released or spilled: Scrape up and place in an inert material for disposal. See Section 8 for protective equipment upon exposure and Section 7 for information on safe handling.

7. Handling and Storage

Precautions to be taken during handling and storage: Cure only where appropriate ventilation systems exist, as seen in Section 8.

8. Exposure Controls/Personal Protection

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

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>ACGIH TWA</th>
<th>TLV STEL</th>
<th>OSHA TWA</th>
<th>PEL STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vinyl Oximino Silane</td>
<td>2224-33-1</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
</tbody>
</table>

Note: Oximino Silanes form Methyl Ethyl Ketoxime upon contact with atmospheric moisture. Provide adequate ventilation to control exposures within the following exposure guidelines: Vendor Guide TWA: 3 ppm, Vendor Guide STEL: 10 ppm, AIHA WEEL TWA: 10 ppm

Exposure Controls and Protection:
  Engineering Controls: None known.
  Respiratory Protection: None required.
  Protective Gloves: Cloth gloves.
  Eye and Face Protection: Safety glasses.
  Other Protective Equipment: None required.
  Ventilation: Cure in well-ventilated areas.
## 9. Physical and Chemical Properties

Information on basic physical and chemical properties:
- **Boiling Point:** NA
- **Vapor Pressure:** NA
- **Vapor Density:** NA
- **Freezing Point:** NA
- **Melting Point:** NA
- **Physical State:** Paste.
- **Odor:** Mild.
- **% Volatile by Volume:** < 1
- **Evaporation Rate:** < 1
- **Specific Gravity:** 1.28
- **Density (kg/m³):** 1280
- **Acid/Alkalinity:** Unknown.
- **pH:** NA
- **VOC:** NT
- **Solubility in Water:** Insoluble.
- **Solubility in Organic Solvents:** Partially soluble in toluene.

## 10. Stability and Reactivity

**Chemical Stability:**
- **Stability:** Stable.

**Reactivity:**
- **Hazardous Polymerization:** Will not occur.
- **Hazardous Thermal Decomposition/Combustion Products:**
  - Carbon Dioxide
  - Carbon Monoxide
  - Silicon Dioxide
  - Formaldehyde

**Conditions to Avoid:** None known.

## 11. Toxicological Information

**Product Information on Toxicological Effects:**
- **Acute Oral LD50:** Unknown.
- **Acute Dermal LD50:** Unknown.
- **Acute Inhalation LC50:** Unknown.
- **Ames Test:** Unknown.

## 12. Ecological Information

**Ecotoxicity:**
- **Ecotoxicological Information:** Unknown.
- **Chemical Fate Information:** Unknown.

## 13. Disposal Considerations

**Disposal Method:** Disposal should be made in accordance with federal, state, and local considerations.
14. Transport Information

General:
- DOT Shipping Name: NA
- DOT Hazard Class: Not DOT regulated
- DOT Label: NA
- UN/NA Label: NA
- Placards: None
- IATA: NA
- IMO IMDG-code: NA

European Class:
- RID (OCTI): NA
- ADR (ECE): NA
- RAR (IATA): NA

15. Regulatory Information

Regulatory Status and Applicable Laws and Regulations:
- SARA Section 302: None found.
- SARA (311, 312) Hazard Class: None.
- SARA (313) Chemicals: None.
- CPSC Classification: NA
- WHMIS Hazard Class: None.
- Export Schedule:
  - B/HTSUS: 3910.00 Silicones in primary form.
  - ECCN: EAR99
- California Proposition 65: None.
- TSCA Inventory Status: All components are of this product are listed (or exempt) on the EPA TSCA inventory.

Hazard Rating Systems:
- HMIS (scale 0-4):
  - Health = 1
  - Flammability = 0
  - Reactivity = 0
- NFPA (scale 0-4):
  - Health = 1
  - Flammability = 0
  - Reactivity = 0

16. Other Information

Revision Date: 06/20/2016
SDS Preparer: Casey Linx

This product or its components are on the European inventory (EINECS) of existing commercial chemicals. This data is offered in good faith as typical values and not as a product satisfaction. No warranty, either expressed or implied, is made. The recommended handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific content of the intended use.

Abbreviations and Acronyms:
- OSHA: Occupational Safety and Health Administration
- ACGIH: American Conference of Governmental Industrial Hygienists
- LD50: Lethal Dose, 50 percent
- LC50: Lethal Concentration, 50 percent
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- 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
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
WHMIS: Workplace Hazardous Materials Information System (Canada)