

## Safety Data Sheet

### Section 1: Identification

**Product identifier:** AS-RTV-EC

**Product Name:** Silicone Adhesive

**Recommended use of the chemical and restrictions on use**

**Recommended use:** Adhesive

**Details of the supplier of the safety data sheet:**

**Manufacturer:** Aerospace Sealants  
4550 E. McKellips Road, Ste. 112  
Mesa, AZ 85215

**Telephone (General):** 480-619-4386

**Emergency telephone number:**  
**Manufacturer** 480-619-4386

### Section 2: Hazard(s) Identification

**United States (US)**

According to OSHA 29 CFR 1910.1200 HCS

**Hazard Category:** Skin Irritant (Category 2)  
Eye Irritant (Category 2B)

**Classification of the substance or mixture**

**OSHA HCS 2012:** Causes skin irritation – H316  
Causes eye irritation – H320

This materials composition is slightly hazardous according to regulatory guidelines. See Section 15 for regulatory information.

**Label elements**

**OSHA HCS 2012**



**Signal Word:**

**Warning**

**Hazard Statements:**

**Ingestion:** None known  
**Skin Contact:** Causes skin irritation - H316  
**Inhalation:** None known  
**Eye Contact:** Causes eye irritation – H320  
**Medical Conditions Aggravated:** None known  
**Subchronic (TARGET ORGAN) Effects:** None known  
**Chronic Effects/Carcinogenicity:** This product or one of its ingredients that is present in 0.1% or more is not listed or suspected as a carcinogen by NTP, IARC or OSHA

**Principle Routes of Exposure:** None known  
**Other:** This product contains methylpolysiloxanes which can generate formaldehyde upon exposure above 300 degrees centigrade in atmospheres which contain oxygen. Formaldehyde is a skin, eye, and throat irritant.

**Precautionary Statements:**

**Prevention:** Wash hands thoroughly after handling. Wear protective gloves.  
**Response:** If on skin: Wash with plenty of water and soap. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before use.  
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Section 3 - Composition/Information on Ingredients**

**Substances:** Material does not meet the criteria of a substance.

**Mixtures:** Non-hazardous components of the mixture unless otherwise specified.

<b>Chemical Name</b>	<b>CAS #</b>	<b>Approximate % Weight</b>
Polydimethylsiloxane, silanol terminated	70131-67-8	25-35
Trade Secret Component	--	1-5
Polydimethylsiloxane, trimethyl terminated	63148-62-9	5-9
Vinyl Oximino Silane	2224-33-1	0.1-1.5
Modified Silicon Dioxide	68611-44-9	2-4
Aminosilane	919-30-2	0-2
Nickel Powder	7440-02-0	25-45
Graphite	7782-42-5	8-24

**Section 4 – First-Aid Measures**

**Description of first aid measures**

<b>Inhalation:</b>	None known.
<b>Skin:</b>	Wash with soap and water.
<b>Eye:</b>	Flush with water for 15 minutes and seek medical attention if irritation persists.
<b>Ingestion:</b>	None known.

**Most important symptoms and effects, both acute and delayed**

Refer to Section 11 - Toxicological Information.

**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician:</b>	All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.
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**Section 5: Fire-Fighting Measures**

**Extinguishing media:**

**Suitable Extinguishing Media:** All standard firefighting material.

**Unsuitable Extinguishing Media:** Unknown.

**Special hazards arising from the substance or mixture:**

**Unusual Fire and Explosion Hazards:** None

**Hazardous Combustion Products:** This product contains methylpolysiloxanes, which can generate formaldehyde upon exposure above 300 degrees centigrade in atmospheres that contain oxygen. Formaldehyde is a skin, eye, and throat irritant.

**Special protective equipment and precautions for firefighters:** None

## Section 6 - Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions:** Wear appropriate protective equipment as conditions warrant.

**Emergency Procedures:** As an immediate precautionary measure, isolate spill or leak.

**Environmental precautions:** N/A

### Methods and material for containment and cleaning up

**Containment/Clean-up measures:** Scrape-up and place in an inert material for disposal.

## Section 7 - Handling and Storage

### Precautions for safe handling

**Handling:** Cure only where appropriate ventilation systems exist.

### Conditions for safe storage, including any incompatibilities

**Storage:** Store in a cool/low-temperature, well-ventilated place away from heat and ignition sources. Keep container closed when not in use.

**Incompatible Materials or Ignition Sources:** None.

## Section 8 - Exposure Controls/Personal Protection

### Control Parameters:

Component	CAS #	ACGIH TWA	TLV STEL	OSHA TWA	PEL STEL
Polydimethylsiloxane, silanol terminated	70131-67-8	NE	15	NE	NE
Trade Secret	--	NF	NE	NF	NE
Polydimethylsiloxane, trimethyl terminated	63148-62-9	--	NE	--	NE
Vinyl Oximino Silane	2224-33-1	NE	NE	NE	NE
Modified Silicon Dioxide	68611-44-9	6 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	6 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Aminosilane	919-30-2	NE	NE	NE	NE
Nickel Powder	7440-02-0	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
Graphite	7782-42-5	3.5 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>

**Exposure controls:**

**Engineering Measures/Controls:**

None known.

**Personal Protective Equipment:**

**Pictograms:**



**Respiratory Protection:**

None required.

**Eye/Face Protection:**

Wear safety goggles.

**Hands:**

Wear cloth gloves.

**Other protective equipment:**

None required

**Ventilation:**

Cure in well ventilated areas.

**Section 9 - Physical and Chemical Properties**

**Appearance:**

paste

**Odor:**

mild

**Odor Threshold:**

No data available

**pH:**

Not applicable

**Melting point/freezing point:**

Not applicable

**Initial boiling point and boiling range:**

Not applicable

**Flash point:**

> 315 C or 600 F

**Evaporation rate:**

< 1

**Flammability (solid, gas):**

Not classified as a flammability hazard

**Upper/lower flammability or explosive limits:**

Not applicable

**Vapor pressure:**

Not applicable

**Vapor density:**

Not applicable

**Solubility(ies):**

Insoluble in water, partially soluble in Toluene

**Partition coefficient: n-octanol/water:**

Not applicable

**Auto-ignition temperature:**

Unknown

**Decomposition temperature:**

Not applicable

**Viscosity:**

Not applicable

**Section 10: Stability and Reactivity**

<b>Reactivity:</b>	None known
<b>Chemical stability:</b>	Stable
<b>Possibility of hazardous reactions:</b>	Hazardous polymerization will not occur.
<b>Conditions to avoid:</b>	None known
<b>Incompatible materials:</b>	None
<b>Hazardous decomposition products:</b>	carbon dioxide, carbon monoxide, silicon dioxide, formaldehyde

**Section 11 - Toxicological Information**

<b>Route(s) of entry/exposure:</b>	Inhalation, Skin, Eye, Ingestion
<b>Inhalation</b>	
<b>Acute (Immediate):</b>	No data available
<b>Chronic (Delayed):</b>	No data available
<b>Skin</b>	
<b>Acute (Immediate):</b>	May cause skin irritation
<b>Chronic (Delayed):</b>	No data available
<b>Eye</b>	
<b>Acute (Immediate):</b>	May cause eye irritation
<b>Chronic (Delayed):</b>	No data available
<b>Ingestion</b>	
<b>Acute (Immediate):</b>	May cause irritation
<b>Chronic (Delayed):</b>	No data available

**Section 12 - Ecological Information**

<b>Ecotoxicity:</b>	Unknown
<b>Persistence and degradability:</b>	Unknown
<b>Bioaccumulative potential:</b>	Unknown
<b>Mobility in soil:</b>	Unknown
<b>Other adverse effects:</b>	Unknown

**Section 13 - Disposal Considerations**

<b>Disposal Method:</b>	Disposal should be made in accordance with federal, state, and local considerations.
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**Section 14 - Transport Information**

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	N/A	N/A	N/A	N/A	N/A
TDG	N/A	N/A	N/A	N/A	N/A
IMO/IMDG	N/A	N/A	N/A	N/A	N/A
IATA/ICAO	N/A	N/A	N/A	N/A	N/A

**Special precautions for user:** None specified.

**Section 15 - Regulatory Information**

**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 ECCN:** 3910.00 silicones in primary form. EAR99  
**Hazard Rating Systems**  
**HMIS (scale 0-4):** Health 1, flammability 0, reactivity 0  
**NFPA (scale 0-4):** Health 1, flammability 0, reactivity 0  
**California Proposition 65:** None

**Section 16 - Other Information**

**Last Revision Date:** Rev A      **09/01/2016**

**Disclaimer/Statement of Liability:**

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 specification. 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 context of the intended use.