

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.

Chemical Name	CAS #	Approximate % Weight
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

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

Notes to Physician: 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.

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 ³	10 mg/m ³	6 mg/m ³	10 mg/m ³
Aminosilane	919-30-2	NE	NE	NE	NE
Nickel Powder	7440-02-0	2 mg/m ³	2 mg/m ³	2 mg/m ³	15 mg/m ³
Graphite	7782-42-5	3.5 mg/m ³	3.5 mg/m ³	3.5 mg/m ³	3.5 mg/m ³

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:

Not applicable

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

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

Section 11 - Toxicological Information

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

Section 12 - Ecological Information

Ecotoxicity:	Unknown
Persistence and degradability:	Unknown
Bioaccumulative potential:	Unknown
Mobility in soil:	Unknown
Other adverse effects:	Unknown

Section 13 - Disposal Considerations

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

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 3910.00 silicones in primary form.
ECCN: 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

Rev C

Review Date: 2/1/2024

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.