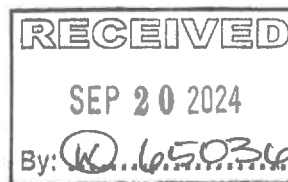




603 5th Place South
Kirkland, WA 98033
Phone: (425)827-7611
Fax: (425)827-5264



Purchase Order #60370

To: SILICONE SOLUTIONS
338 REMINGTON RD
CUYAHOGA FALLS, OH 44224
United States

Ship Jemco
To: 603 5th Place South
Kirkland, WA 98033
United States

PO Number: 60370	Ship Via: UPS Ground ACCT 177R63
Order Date: 09/13/24	Terms: Net 30 Days
Vendor Code: SILICONE SOL	Contact: ANGELA MORAN
Vendor Phone: (330) 920-3125	Purchasing Agent: Kamora Lee
Vendor FAX:	
FOB: CUYAHOGA FALLS, OH	Date Required: 9/23/2024

ORDER # 3000011934

*****At the time of shipment please email ALL certs associated with this PO to certs@jemcoinc.com as well as including them with the shipment. Please reference the PO Number in the subject line.*****

Quantity	Part Number		Date	Unit		
Ordered	Description	Revision	Required	Cost	Unit	Amount
1	SS-24 RTV		09/23/24	\$114.93000	EA	\$114.93
	SILICONE ADHESIVE, SS-24 EMI/RFI Conductive Adhesive - CHO-1016 Offset 10.3 OZ CARTRIDGE JOB NUMBER(S): 29416-01 (1)					
1	CERT FEE		09/23/24	\$5.00000	EA	\$5.00
	JOB NUMBER(S): 29416-01 (1)					

Order Total: \$119.93

By accepting this Purchase Order, Seller agrees to Jemco's current Supplier Terms & Conditions a time of order. (To view the supplier terms and conditions, please visit www.gojemco.com). To obtain copy of previous revision contact Purchasing agent listed above. We do track quality and on-time delivery performance. A corrective action may be issued for poor performance. Supplier must contact JEMCO for any 'Use as is', 'Concession', or 'Repair' approvals." Return all drawings & SAMPLES provided with parts.

SUPPLIER is expected to ensure that any ARTICLE delivered to JEMCO Components & Fabrication, Inc. under this order are Democratic Republic of the Congo (DRC) conflict free (do not contain metals derived from "conflict minerals", as such term is defined below) such that they neither directly nor indirectly finance or benefit armed groups through mining or mineral trading in the DRC or an adjoining country (Angola, Burundi, Central African Republic, The Republic of the Congo, Rwanda, South Sudan, Tanzania, Uganda, Zambia). As used above, the term "conflict minerals" shall have the meaning ascribed to it under Dodd-Frank and shall include, without limitation, gold, tin, tantalum and tungsten, or any other mineral or its derivatives determined by the US Secretary of State to be financing conflict in the DRC.

Kamora Lee

Vendor's Authorized Signature
SILICONE SOLUTIONS

Authorized by Digital Signature
Jemco

SILICONE SOLUTIONS

"Innovative Silicone Technologies"

338 Rem
Cuyahoga
Phone: 216-233-1100

PRODUCT #: SS-24

Manufacture

CHEMICAL NAME: Electrically Conductive

LOT #: 18136

CAS #: mixture

HMS: 0,0,1

PO: 60370

Exp: 09-16-2025



338 Remington Rd
Cuyahoga Falls, OH 44224
330.920.3125 p 330.920.3126 f

Packing Slip

Date	Order #
9/13/2024	3000011934

Ship To

KAMORA LEE
JEMCO COMPONENTS & FABRICATION INC
603 5TH PLACE SOUTH
KIRKLAND, WA 98033
US

P.O. No.		Terms	Ship	Via	FOB	PPD/Collect
3000011934		Credit Card	9/16/2024	UPS GROUND	CUY FALLS, OH	COLLECT
Quantity	Unit	Item Code	Description			
1	EA	SS-24-3	EMI/RFI CONDUCTIVE ADHESIVE - 10.3 OZ CARTRIDGE			
			1 - 10.3 OZ CARTRIDGE			
			LOT # 18136			
		SHIPPING	UPS GROUND COLLECT			
			ACCOUNT # 177-R63			



338 REMINGTON ROAD
CUYAHOGA FALLS, OHIO 44224

Phone: 330-920-3125 FAX: 330-920-3126

Invoice

Date	Invoice #
9/13/2024	3000011934

Bill To

Stan Moore
Jemco Components & Fabrication Inc
PO BOX 677
Kirkland, WA 98083
US

Ship To

KAMORA LEE
JEMCO COMPONENTS & FABRICATION INC
603 5TH PLACE SOUTH
KIRKLAND, WA 98033
US

P.O. Number		Terms	Rep	Ship	Via	F.O.B.	PPD/Collect
3000011934		Credit Card		9/16/2024	UPS GROUND	CUY FALLS, OH	COLLECT
Quantity	Unit	Item Code	Description			Price Each	Amount
1	EA	SS-24-3	EMI/RFI CONDUCTIVE ADHESIVE - 10.3 OZ CARTRIDGE			119.93	119.93
			1 - 10.3 OZ CARTRIDGE LOT # 18136				
		SHIPPING	UPS GROUND COLLECT ACCOUNT # 177-R63			0.00	0.00
THANK YOU PAID BY CREDIT CARD						Total US \$	\$119.93

SILICONE SOLUTIONS

338 Remington Road
Cuyahoga Falls, OH 44224

Phone (330) 920-3125
Fax (330) 920-3126

Certificate of Conformance

SS-24 Lot #18136

Test	Specifications	Results
------	----------------	---------

Durometer	45 to 55 Shore A	50
Skin-Over Time	12.0 to 18.0 mins.	12.25 min.

The test results herein reported represent the tests regularly performed in accordance with our established quality control program.

This product is RoHS compliant

Order by: Jemco Components & Fabrication Inc.

Order #3000011934

1 - 10.3 OZ TUBE

Shipped: 9-16-24

Expiration Date: 9-16-25

Nathan Arter

Title: Nathan Arter, QC Mgr.

Date: 9-16-24



338 REMINGTON ROAD
CUYAHOGA FALLS, OH 44224
Phone: 330.920.3125 Fax: 330.920.3126

SS-24

Product Description

SS-24 is an electrically conductive, moisture curing silicone RTV. SS-24 is a 1-part silicone that when applied to the substrate, it is flexible and allows handling of the assembly within an hour. SS-24 works well in manual and automatic dispensing equipment.

Product Features

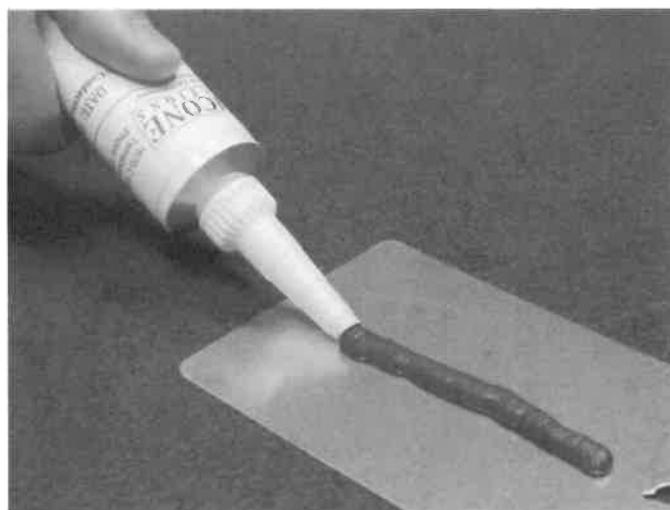
- Fast RT Cure
- Thixotropic Paste
- High Temperature Resistant
- Non-Corrosive

Typical Applications

- Form In Place Gaskets
- Electrically Conductive Shielding
- EMI/RFI Silicone Shielding

Chemical Cure System

Oxime



Electrically Conductive Silicone RTV

Typical Properties

Color	Dark Gray
Viscosity, cps	500,000
Specific Gravity	2.09
Consistency	Thixotropic Paste
Working Time @ RT	15 Minutes
Tack Free Time @ RT	60 Minutes
Application Rate, 90 PSI g/min	400
Cure Time	72 Hours @ RT
Durometer	60 Shore A
Tensile Strength	300 PSI
Volume Resistivity	0.09 Ohms-cm
Thermal Conductivity	2.5 W/m/K
Conductive Filler	Nickel Graphite

Curing

Cure speed can be accelerated with increased humidity and heat to very rapid cure times. Typical utilization involves dispensing in open air and after exposure to ambient humidity, a room temperature cured rubber with electrically conductive properties is formed.

Solids

98% solids

Adhesion

Primerless adhesion to most metals and typical substrates

Service Temperature

-45 to 260°C

Limitations

Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Handling and Safety

For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to the SDS.

Shelf Life

Sealed containers are guaranteed for 12 months from the ship date when stored in a cool dry area below 70°F.

Limited Warranty

All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as warranty, either expressed or applied. User shall rely on his/her own information and tests to determine suitability of the product for the intended use, and the user assumes all risk and liability resulting from the use of this product. Manufacturer's sole responsibility shall be to replace that portion of product that the manufacturer proves to be defective. Manufacturer shall not be liable to the buyer or any third party for injury, loss or damage directly or indirectly resulting from the use of, or inability to use, the product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding by the manufacturer.

This product has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses which implantation within the human body is intended.

*******Customized versions available upon request*******



Safety Data Sheet (SDS)

Industrial Use Only

1. Product and Company Identification

Product:

Product Name: SS-24 Electrically Conductive Silicone RTV

Intended Use: Sealant

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

Hazard Classification:

This material's composition is minimally hazardous according to regulatory guidelines. *See Section 15 for hazard ratings.*

Label: None required.

Hazard Statements:

Physical: None known

Health:

Ingestion	None known.
Skin Contact	May cause mild skin irritation. Manufacturing experience has shown that skin hazard is not applicable in this form.
Inhalation	None known.
Eye Contact	May cause mild eye irritation.
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 is suspected as a carcinogen by NTP, IARC, or OSHA.
Principle Routes of Exposure	None known.

Precautionary Statements:

General: Obtain special instructions before use, and do not handle until all safety precautions have been read and understood.

Other Hazard Information:

- 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.

3. Composition/Information on Ingredients

Chemical Characterization:

Formula: Mixture

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

Component	CAS #	Approximate % Weight
Polydimethylsiloxane, silanol terminated	70131-67-8	25-35
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

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.

Note to Physician: None known.

5. Firefighting Measures

Flammability Properties:

Flash Point: >315°C

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:

Component	CAS #	ACGIH TWA	TLV STEL	OSHA TWA	PEL STEL
Polydimethylsiloxane, silanol terminated	70131-67-8	NE	NE	NE	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

Note: All solid powders are fully encapsulated in the cured and uncured product and are not hazardous in this form.

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: 2.29

Density (kg/m³): 2290

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 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: 06/2/2019

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)