

SOLDER FLUX



Liquid Solder Flux

Completely non-corrosive liquid solder flux consisting of a solution of special rosin in alcohol. Contains no traces of acids or chlorides and is completely safe to use on even the most delicate electronic equipment.

Part No. 10-4202 2 fl. oz. Bottle

Part No. 10-4216 16 fl. oz. Bottle



Soldering Paste

A strong flux for soldering sheet metal parts, bus wires to steel chassis, tinning and cleaning of soldering iron tips, etc. Not recommended for electronic or printed circuit soldering.

Part No. 10-1207 2 fl. oz. Bottle



Solder Flux

A flux for all metals, as effective as acid or chloride types but non-corrosive. Solders even hard-to-solder metals such as aluminum, zinc-based alloys, steel, etc. Ideal for soldering bus and ground wires to aluminum and steel chassis, to hermetically seal lids to metal cases, for pot-tinning of copper and brass parts, etc. Not recommended for electronic wiring, including printed circuits.

Part No. 10-200 2 fl. oz. Bottle



Water Removable Soldering Paste

Lubricates, cleans, fluxes and rinses away.

Part No. 10-202 2 fl. oz. Bottle

SPECIALTY CHEMICALS



Static Null

Neutralizes and prevents static electricity in a wide variety of applications. May be used on circuit boards, carpeting, clothing, cabinetry or generators of static electricity. One application lasts for weeks. An excellent maintenance area product for use on test equipment, circuits being serviced and work surfaces.

Part No. 19-1004 8 oz. Aerosol



High Voltage Putty

Silicone rubber compound with excellent insulating characteristics. It will never harden, will not shrink and has good adhesive properties. Provides a corona and arc suppressing coating in high voltage systems. Especially useful for coating sharp points, edges or corners. Also useful to form gaskets and seals where a putty-like, non-hardening property is desired. (Approx. 550 Volts/MIL Di-electric strength).

Part No. 10-8880 1-1/4 oz.
(1" wide x 1/4" thick x approx.
18" in length)

Part No. 10-8882 1/2 lb. tub

MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Product Type: Specialty Chemicals
 Product Name: **High Voltage Putty**
 Part Number(s): **10-8880**
10-8882

Section 1 - Identification of Product

NFPA/HMIS Classification: Least 0
 Slight 1
 Health 0 Moderate 2
 Flammability 0 High 3
 Reactivity 0 Extreme 4
 Gloves, Safety Glasses B

Chemical Family: Silicone Rubber
 Formula: Mixture

Section 2 - Hazardous Ingredients

Hazardous Component: None Found

Non-Hazardous

	CAS #	OSHA Pel		Approx. Wt. %	ACGIH TLV		Units
		TWA	Stel		TWA	Stel	
Vinyl/Stpd Methyl Vinyl Polysiloxane	68083-18-1	NA	NE	60 – 80	NA	NE	NA
Silanol/Stopd Polydimethylsiloxane	70131-67-8	NF	NE	1 - 5	NF	NE	NA
Tetramer Treated Fumed Silica	68583-49-3	15	NE	10 – 30	10	NE	MG/M3
Siloxanes & Silicones, Dimethylmethoxy Terminated	68951-97-3	NE	NE	1 – 5	NE	NE	NA

Exposure Limits in Air:

Exposure limits for formaldehyde, a byproduct of the oxidative thermal decomposition of dimethylpolysiloxane, are listed below.

<u>Chemical Name</u>	<u>OSHA(TWA)</u>	<u>OSHA(STEL)</u>	<u>ACGIH(TWA)</u>	<u>ACGIH(STEL)</u>
Formaldehyde	0.75 ppm	2.0ppm	0.3 ppm	N/A
		0.37 mg/m ³ (ceiling)		

Warning: This product, as sold, does not meet the OSHA definition of a hazardous material. This product contains dimethylpolysiloxane which can generate formaldehyde as a by product of oxidative thermal decomposition beginning at approximately 300F. Exposure to formaldehyde can cause adverse effects such as skin and respiratory sensitization and eye and throat irritation. Formaldehyde is a potential cancer hazard. Use good industrial practices to evaluate and control exposure to formaldehyde when warranted by conditions of use.

Section 3 - Physical Data

Boiling Point:	NA (F)	NA (C)
Freezing Point:	NA (F)	NA (C)
Specific Gravity (H ₂ O=1):	Unknown	
Vapor Pressure (mm Hg):	Neg. MM HG	
% Volatile by Volume	<1%	
Melting Point	NA (F)	NA (C)
Vapor Density (Air=1):	Neg.	
Density (KG/M ³):	Unknown	
Evaporation Rate (Butyl Acetate=1):	<1	
Solubility in Water (20C):	Insoluble	
Appearance and Odor:	Physical State - Solid - Rubber	
	Odor – Odorless	
	Color - Off White	
Acid/Alkalinity (MEQ/G)	Unknown	
Solubility in Organic Solvent	Unknown	

Section 4 - Fire & Explosion Hazard Data

Flash Point (Method Used) (COC):	315.5°C	600°F
Flammable Limits in Air (%):	Lower - N/A	Upper - N/A
Extinguishing Media:	All standard fire fighting media.	
Special Fire Fighting Procedures:	Use self-contained breathing apparatus.	
Sensitivity to Mechanical Impact (Y/N)	No	
Sensitivity to Static Discharge:	Sensitivity to static discharge not expected.	

Section 5 - Health Hazard Data

Routes of Entry	
Inhalation:	None known
Skin:	May cause mild skin irritation.
Ingestion:	None known.
Eye Contact:	May cause mild eye irritation.

Health Hazards (Acute and Chronic)

Medical Conditions Aggravated:	Not Reviewed
Chronic Effects of Overexposure:	None Known
Sub Chronic (Target Organ Effects):	Not Reviewed