

## 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**  
 Product Name: **GC STATIC NULL**  
 Part Number(s): **19-1004**

**Section 1 - Identification of Product**COMMON NAME (used on label)(Trade Name & Synonyms): **GC STATIC NULL**

CAS. NUMBER: See Section 2

CHEMICAL NAME: Dimethyl Ether &amp; Isopropanol

CHEMICAL FAMILY: N/A

FORMULA: N/A

**HMIS RATINGS**

	Minimal Hazard	0
	Slight Hazard	1
Health: 1	Moderate Hazard	2
Flammability: 4	Serious Hazard	3
Reactivity: 0	Severe Hazard	4
Personal Protection: B	Gloves, Safety Glasses	B

**Section 2 - Hazardous Ingredients**

Principal Hazardous Component(s)

CHEMICAL AND COMMON NAME(S)	CAS. #	OSHA PEL	ACGIH TLV	VAPOR		FLASH POINT DEG. F	APPROX WT %
				PRESSURE @25 DEG. C.	LEL UEL		
Isopropyl Alcohol**	67-63-0	400ppm	400ppm	31 mmHg	2.2 12.0	53(TCC)	10-15
Dimethyl Ether	115-10-6	1000ppm	1000ppm	71 psig	3.4 18.0	-42(TOC)	85 - 90

\*\*NOTE: This product contains an ingredient subject to Section 313 of SARA Title III.

N/A is not available or not applicable

**Section 3 - Physical Data****BOILING POINT (Deg. F):** Concentrate Range: 180**SPECIFIC GRAVITY (Water = 1):** Concentrate: .79**VAPOR PRESSURE (mmHg):** See Section 2**PERCENT VOLATILE BY WEIGHT (%):** 100%**PERCENT VOLATILE ORGANIC COMPOUNDS:** 100%**VAPOR DENSITY (Air = 1):** >1

**EVAPORATION RATE (BA = 1):** >1

**SOLUBILITY IN WATER:** Soluble

**REACTIVITY IN WATER:** None

**APPEARANCE AND ODOR: CONCENTRATE:** Clear liquid, irritating odor at high concentrations;

**PROPELLANT:** Colorless, odorless gas; **FINISHED PACKAGE:** Pressurized containers.

#### Section 4 - Fire & Explosion Hazard Data

**FLASH POINT:** See Section 2

**FLAMMABLE LIMITS IN AIR - % BY VOLUME:** See Section 2

**EXTINGUISHER MEDIA:** Water fog, dry chemical, carbon dioxide

**AUTO-IGNITION TEMPERATURE:** Unknown

**SPECIAL FIRE FIGHTING PROCEDURES:** Water may be used to cool closed containers to prevent pressure build-up and possible bursting when exposed to high temperatures. Firemen should wear self-contained, positive pressure, respiratory equipment.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Extremely flammable. Contents under pressure. Do not use or store near heat or ignition sources. Containers may burst at temperatures above 130 deg. F.

#### Section 5 - Health Hazard Data

**THRESHOLD LIMIT VALUE:** See Section 2

#### **SIGNS AND SYMPTOMS OF EXPOSURE:**

**EYE CONTACT:** Contact with liquid or mist may cause irritation. Vapors may irritate eyes;

**SKIN CONTACT:** Prolonged contact may cause irritation, defatting of skin;

**INHALATION:** May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: Headache, dizziness, nausea, staggering gait, confusion, and unconsciousness.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. **INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS OF THE CAN MAY BE HARMFUL OR FATAL;** Aspiration may cause rapid absorption through the lungs, which may result in systemic effects.

#### **INGESTION:**

**Section 8 - Special Protection Information**

**RESPIRATORY PROTECTION:** NIOSH or Bureau of Mines approved organic vapor-type respirator is required in absence of proper environmental control.

**VENTILATION:**

**LOCAL EXHAUST:** To keep below TLV

**MECHANICAL (General):** To keep below TLV

**SPECIAL:** None

**OTHER:** None

**PROTECTIVE GLOVES:** Solvent resistant gloves - impervious gloves

**EYE PROTECTION:** Safety glasses or goggles

**OTHER PROTECTIVE**

**CLOTHING OR EQUIPMENT:** None reasonably foreseeable.

**Section 9 – Special Precautions****PRECAUTIONS TO BE TAKEN**

**IN HANDLING AND STORAGE:** Do not store above 120 Deg. F. Do not use or store near any open flames or ignition sources.

**OTHER PRECAUTIONS:** Extremely flammable. Do not use or store near open flames, heat, or any sources of ignition. Contents under pressure. Do not puncture or incinerate. Vapors are heavier than air and will collect in low areas.

**Section 10 - Regulatory Information**

SUBJECT TO SECTION 313 OF SARA TITLE III: Yes – Isopropyl Alcohol = 14%

ALL CHEMICAL COMPONENTS ARE LISTED IN THE TSCA INVENTORY.

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN: NATIONAL TOXICOLOGY PROGRAM: No

I.A.R.C. MONOGRAPHS: No

OSHA: No

OSHA PERMISSIBLE EXPOSURE LIMIT: See Section 2

ACGIH THRESHOLD LIMIT VALUE: See Section 2

OTHER EXPOSURE LIMITED USED: None