

# Material Safety Data Sheet

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## Section 1: Product Identification

**MSDS Code: 8341**

**Name: No Clean Flux Paste**

**Related Part Numbers: 8341-10ml**

Use: For use with leaded and unleaded solder during soldering process.

## Section 2: Hazardous Ingredients

CAS#	Chemical Name	Percentage by weight	ACGIH TWA	Osha Pel	Osha Stel
112-34-5	Glycol Ether DB	<25%	N/E	N/E	N/E
65997-05-9	Modified Rosin	<60%	N/E	N/E	N/E

## Section 3: Hazards Identification

- Eyes:** Fumes may cause eye irritation.
- Skin:** Vapors may cause skin irritation.
- Inhalation:** Inhalation of the fumes from this or other soldering products may cause headache, nausea, and muscular pain.
- Ingestion:** Ingestion of the fumes from this or other soldering products may cause headache, nausea, and muscular pain.
- Chronic:** Prolonged or repeated exposure due to ingestion may cause anemia, insomnia, weakness, constipation and abdominal pain.

## Section 4: First Aid Measure

- Eyes:** **MOLTEN PRODUCT:** Cool burns with plenty of low-pressure water. Get immediate medical attention. **SOLID PRODUCT:** Remove any contact lenses. Immediately flush eyes with large quantities of water for at least 15 minutes. Get medical attention if irritation develops.
- Skin:** **MOLTEN PRODUCT:** Immediately cool skin burns with water and cold packs for at least 15 minutes. Do not put ice directly on the skin. Do not attempt to remove solidified product from the skin, as damage may result. Get immediate medical attention. **SOLID PRODUCT:** Immediately wash skin with soap and copious amounts of water. Use lotion to prevent dryness. Get medical attention if irritation develops.
- Inhalation:** If symptoms of overexposure are experienced, evacuate to fresh air. If symptoms persist, seek medical attention.
- Ingestion:** If person is conscious, immediately give 2 glasses of water. Do not induce vomiting. Get immediate medical attention.

## Section 5: Fire Fighting Measures

- Autoignition Temperature:** >227C (440F)    **Flash Point:** >116°C (240F)    **LEL / UEL:** N/E
- Extinguishing Media:** Carbon dioxide, dry chemical or appropriate foam. Water may be effective for cooling containers but not for extinguishing.
- General Information:** Closed containers may explode when exposed to fire conditions.

## Section 6: Accidental Release Measures

**Spill Procedure:** Scoop up material and deposit in appropriate containers. Clean up residual spill area with isopropanol or detergent water.

## Section 7: Handling and Storage

**Handling:** Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Do not ingest or inhale. Do not expose container to heat or flame.

**Storage:** Keep away from sources of ignition. Store in a cool, dry, well-ventilated area, away from incompatible substances.

## Section 8: Exposure Controls

**Routes of entry:** Eyes, ingestion, inhalation, and skin.

**Ventilation:** Use adequate general or local exhaust ventilation to keep airborne concentrations below exposure limits.

**Personal Protection:** Wear appropriate protective eyeglasses or chemical safety goggles. Wear appropriate protective clothing to prevent skin contact. Use a NIOSH approved respirator when necessary.

## Section 9: Physical and Chemical Properties

<b>Physical State:</b>	Smooth amber paste	<b>Odor:</b>	Mild	<b>Solubility in water:</b>	Partially Soluble	<b>Evaporation Rate:</b>	N/A
<b>Boiling Point:</b>	256°C/ (493°F) @760 mmHg	<b>Specific Gravity:</b>	1.031 to 1.033 (water=1)	<b>Vapor Pressure:</b>	N/D	<b>Vapor Density:</b>	N/D
						<b>pH:</b>	N/A

## Section 10: Stability and Reactivity

**Stability:** Stable under ordinary use and storage conditions.

**Conditions to avoid:** N/A

**Incompatibilities:** Strong acids and strong oxidizers should be avoided

**Polymerization:** Will not occur under normal use and storage conditions.

**Decomposition:** May emit fumes of carbon monoxide and carbon dioxide.

## Section 11: Toxicological Information

**Sensitization:** (effects of repeated exposure) No

**Carcinogenicity:** (risk of cancer) No

**Teratogenicity:** (risk of malformation in an unborn fetus) No

**Reproductive Toxicity:** (risk of sterility) No

**Mutagenicity:** (risk of heritable genetic effects) No

<b>Lethal Exposure Concentrations:</b>	<b>Ingestion (LD50):</b>	<b>Inhalation (LC50):</b>	<b>Skin (LD50):</b>	<b>Inhalation (TCLo):</b>
Glycol Ether DB	5660 mg/kg Rat	N/A	2700 mg/kg Rabbit	5 mg/m <sup>3</sup> /24H/17w Rat
Modified Rosin	N/A	N/A	N/A	N/A

## Section 12: Ecological Information

### General Information:

Volatile Organic Compounds, % by weight: 0%

Volatile Organic Compounds, grams per litre: 0 g/l

**Section 13: Disposal Information**

**General Information:** Dispose of in accordance with all local, provincial, state, and federal regulations. Water runoff can cause environmental damage.

**Section 14: Transportation Information**

**Ground:**  
 Not Regulated  
**Air:**  
 Not Regulated  
**Sea:**  
 Not Regulated

**Section 15: Regulatory Information**

**CANADA**

**This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations. DSL**

All ingredients in this product are listed on the Domestic Substances List

**Health Canada**

Products produced by MG Chemicals intended for retail display conform to the Canadian Consumer Labeling regulations.

**Industry and Science Canada**

MG Labels products intended for the workplace to conform to WHMIS labeling regulations. Product identification, net quantity declaration, minimum printing type size heights, and packaging of this product are in compliance.

**WHMIS**

This product belongs to the following categories: **N/A**

**CAA** (Clean Air Act, USA)

This product does not contain any class 1-ozone depleters.

This product does not contain any class 2-ozone depleters.

This product does not contain any chemicals listed as hazardous air pollutants.

**USA**

**SARA** (Superfund Amendments and Reauthorization Act of 1986, USA, 40CFR 372.4)

None of the chemicals in this product have a reportable quantity.

**EPCRA** (Emergency Planning and Right to Know Act, USA, 40 CFR 372.45)

This product does not contain any chemicals subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372.

**TSCA** (Toxic Substances Control Act of 1976, USA)

All substances are TSCA listed.

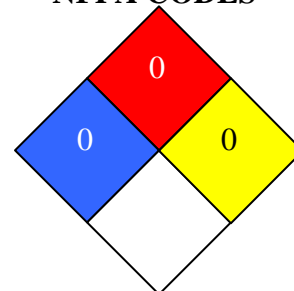
**California Proposition 65** (Chemicals know to cause cancer or reproductive toxicity, May 1, 1997 revision, USA)

When used for soldering and similar applications chemicals may be produced which are known to some states to cause birth defects or other reproductive harm.

**HMIS RATING**

<b>HEALTH:</b>	2
<b>FLAMMABILITY:</b>	1
<b>PHYSICAL HAZARD:</b>	0
<b>PERSONAL PROTECTION:</b>	

**NFPA CODES**



**EUROPE****RoHS**

This product does not contain any lead, cadmium, mercury, hexavalent chromium, PBB's, or PBDE's, and complies with European RoHS regulations.

**WEEE**

This product is not a piece of electrical or electronics equipment, and is therefore not governed by this regulation.

**Section 16: Other Information**

**Definitions:** N/A = not applicable, N/E = not established

**Disclaimer:** This material safety data sheet is provided as an information resource only. M.G. Chemicals believes the information contained herein is accurate and compiled from reliable sources. It is the responsibility of the user to verify its validity. The buyer assumes all responsibility of using and handling the product in accordance with federal, state, and local regulations.