



8341

Safety Data Sheet

Section 1: Identification

Product Identifier and Other Means of Identification

Product Name: No Clean Flux Paste

SDS Code: 8341

Related Part # 8341-10ML, 8341B-10ML

Recommended Use and Restriction on Use

Use: No clean flux paste

Uses Advised Against: Not available

Details of Manufacturer or Importer

Manufacturer

MG Chemicals 1210 Corporate Drive Burlington, Ontario L7L 5R6 CANADA

+1-800-340-0772

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E-MAIL support@mgchemicals.com

WEB www.mgchemicals.com

MG Chemicals (Head Office)

9347-193 Street

Surrey, British Columbia V4N 4E7

CANADA

+1-905-331-1396

FAX +1-905-331-2682

E-MAIL info@mgchemicals.com

E-MAIL (Competent Person): sds@mgchemicals.com

Emergency Phone Number

For hazardous material incidents ONLY (leaks, spills, fires, exposures or accidents) USA or CANADA—Call CHEMTREC at +1-800-424-9300

For emergencies involving the transport of dangerous goods; 24/7 service CANADA—Call CANUTEC collect at +1-613-996-6666 or *666 on cellular phones



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Section 2: Hazard(s) Identification

Classification of the Hazardous Material

GHS Categories

Criteria	Category	Signal Word	Pictograms
Eye Damage	1	Danger	Corrosion

Note: The degree of severity is ranked within each hazard class from 1 (Highest Severity) to up to 5 (Lowest Severity), which is opposite to HMIS and NFPA conventions. Severity category rankings do not allow comparisons between classes.

Label Elements

Signal Word	DANGER
Pictograms	Hazard Statements
正量	H318: Causes serious eye damage
Prevention	Precautionary Statements
P102	Keep out of reach of children.
P280	Wear protective eye protection/face protection.
Response	Precautionary Statements
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.

Hazards Not Otherwise Classified

Other Criteria	Hazard Statements/Precautionary Statement	Signal Word	Pictograms
None	None	None	None



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Section 3: Composition/Information on Ingredients

CAS #	Chemical Name	%(weight)
65997-05-9	rosin, polymerized	56%
112-59-4	2-(2-hexyloxyethoxy)ethanol	25%
9004-98-2	ethoxylated oleyl alcohol	13%
25038-54-4	polyamide 6	6%

Section 4: First-Aid Measures

Exposure Condition	GHS Code: Precautionary Statement
IF IN EYES	P305 + P351 + P338, P310
Immediate Symptoms	redness, tearing, pain, eye damage
Response	Rinse cautiously with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	Immediately call a POISON CENTER/doctor.
IF INHALED	P304 + P340
Immediate Symptoms	IF Exposed to Solder Fumes: headaches, nausea, muscular pain
Response	Remove person to fresh air and keep comfortable for breathing.
IF ON SKIN	P302 + P352
Immediate Symptoms	mild irritation, redness
Response	Wash with plenty of water.
IF SWALLOWED	P301 + P330 + P331
Immediate Symptoms	abdominal pain, nausea, vomiting, diarrhea
Response	Rinse mouth. Do not induce vomiting.



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Section 5: Fire-Fighting Measures

Extinguishing Media In case of fire: Use extinguishing media suitable for

surrounding materials.

Specific Hazards Not flammable or combustible, but burns if involved in a fire.

Vapors may accumulate in low-lying areas.

Combustion Products Produces carbon oxides (CO, CO₂) and nitrogen oxides (NO_x).

Fire-Fighter Wear self-contained breathing apparatus and full fire-fighting

turn-out gear.

Section 6: Accidental Release Measures

Personal Protection Use personal protection recommended in Section 8.

Precautions for

Response

Remove all sources of ignition.

Environmental

Precautions

Avoid releasing to the environment.

Containment Methods Contain with inert absorbent (such as soil, sand, vermiculite).

Cleaning Methods Collect liquid in a sealable, solvent-resistant container.

> Sprinkle inert absorbent compound onto spill, then sweep into the container. Wash spill area with soap and water to remove

the last traces of residue.

Dispose spill waste according to Section 13. Disposal Methods

Section 7: Handling and Storage

Prevention Do not eat, drink, or smoke when using this product.

Handling Wear protective gloves/eye protection.

Wash hands thoroughly after handling.

Keep container tightly closed. Storage

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Section 8: Exposure Controls/Personal Protection

Substances with Occupational Exposure Limit Values

Contains no substances with occupational exposure limits.

Note: The ACGIH², OSHA, and Canadian provinces exposure limits were consulted. Limits from the RTECS database² and from suppliers' SDSs were also consulted.

Engineering Controls

Ventilation Keep airborne concentrations below the occupational exposure

limits (OEL).

Manufacturer's Note: During soldering, use of a <u>local</u> <u>exhaust system</u> is highly recommended to avoid exposure to

thermal decomposition products.

Personal Protective Equipment

Eye protection Wear appropriate protective eyeglasses or chemical safety

goggles.

RECOMMENDATION: Use safety glasses with lateral protection.

Skin Protection Wear appropriate protective clothing to prevent skin contact.

RECOMMENDATION: Use nitrile, polyvinyl chloride (PVC), butyl

rubber, or other chemically resistant gloves.

Respiratory Protection Not normally required, but if exposed to high levels of

mist/vapors/fumes, wear respirator such as a half-mask

respirator.

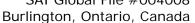
Recommendation: Consult your local safety supply store to ensure your respirator has a NIOSH (U.S.) approved filter cartridges appropriate for the ingredients listed in section 3 of this SDS, and that the respirator is fitted to the employee by a professional. Ensure vapor cartridges are stored in sealed

plastic bags when not being used.

General Hygiene Considerations

Wash hands thoroughly with water and soap after handling.







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Section 9: Physical and Chemical Properties

Physical State	Solid, paste	Lower Flammability Limit	Not available
Appearance	Amber	Upper Flammability Limit	Not available
Odor	Mild	Vapor Pressure @20 °C	Not available
Odor Threshold	Not available	Vapor Density	Not Available
рН	Not available	Specific Gravity @25 °C	1.03
Freezing/Melting	>100 °C	Solubility in	Partially
Point	[>212 °F]	Water	
Boiling Point	>256 °C	Partition	Not
	[>493 °F]	Coefficient	available
Flash Point	>116 °C	Auto-ignition	>227 °C
	[>241 °F]	Temperature	[>441 °F]
Evaporation	Not	Decomposition	Not
Rate	available	Temperature	available
Flammability	Not	Viscosity	Not
(solid, gas)	available	@40 °C	available

Section 10: Stability and Reactivity

Reactivity Not available

Chemical Stability Chemically stable at normal temperatures and pressures

Conditions to Avoid Ignition sources, excessive heat, and incompatible substances

Incompatibilities Strong oxidizing agents, strong acids

Polymerization Will not occur

Decomposition For thermal decomposition, see combustion products in Section 5.



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Section 11: Toxicological Information

Summary of Effects and Symptoms by Routes of Exposure

Eyes Causes redness, tearing, pain, or eye damage if splashed in eyes or

exposed to vapors.

Skin May cause redness and mild skin irritation.

Inhalation Exposure to soldering fumes may cause headaches and nausea.

Severe overexposure may cause muscular pain.

Ingestion It may cause abdominal pain, nausea, vomiting, diarrhea.

(See inhalation symptoms.)

Chronic Prolonged skin contact may cause skin irritation with pain.

Acute Toxicity (Lethal Exposure Concentrations)

Chemical Name	LD50	LD50	LC50
	oral	dermal	inhalation
rosin, polymerized	>5 000 mg/kg	>2 000 mg/kg	Not
	Rat	Rabbit	available
2-(2-hexyloxyethoxy) ethanol	2 400 mg/kg	1 500 µL/kg	Not
	Rat	Rabbit	available
ethoxylated oleyl alcohol	Not	Not	Not
	available	available	available
polyamide 6	Not	Not	11 g/m³
	available	available	30 min Rat

Note: Toxicity data from the RTECS² and ECHA databases were consulted. The data from supplier (M)SDSs were also consulted.

Other Toxicological Effects

damage/irritation

Skin corrosion/irritationBased on available data, the classification criteria are

not met.

Serious eye The 2-(2-hexyloxyethoxy)ethanol component causes

serious eye damage according to in vivo animal

studies.

Respiratory and skinBased on available data, the classification criteria are

sensitization (allergic reactions) not met.

Carcinogenicity Based on available data, the classification criteria are

(risk of cancer) not met.

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Mutagenicity Based on available data, the classification criteria are

(risk of heritable genetic effects) not met.

Reproductive Toxicity Based on available data, the classification criteria are

(risk to sex functions) not met.

Teratogenicity Based on available data, the classification criteria are

(risk of fetus malformation) not met.

STOT-single exposure Based on available data, the classification criteria are

not met.

STOT-repeated exposure Based on available data, the classification criteria are

not met.

Aspiration hazard Mixture does not contain components classified as a

Cat 1 aspiration hazards and kinematic viscosity at 40 °C is expected to be >20.5 mm²/s; therefore, the

mixture is not a Cat 1 aspiration hazard.

Section 12: Ecological Information

Ecological classifications are based on the IMDG/GHS criteria in conjunction with ecotoxicological data from our suppliers, the European Chemical Agency database (http://echa.europa.eu), and other reliable sources.

Acute Ecotoxicity

Available toxicity data does not meet classification thresholds.

Chronic Ecotoxicity

Available toxicity data does not meet classification thresholds.

Persistence and Biodegradability

Not available

Bioaccumulative Potential

Not available

Mobility in Soil

Not available

Other Effects

Not available



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Section 13: Disposal Considerations

Dispose of contents in accordance with all local, provincial, state, and federal regulations.

Section 14: Transport Information

Ground

Refer to TDG regulations (Canadian Transportation of Dangerous Goods regulations); **USA DOT 49 CFR** (Parts 100 to 185) **Regulations**.

Not regulated

Air

Refer to ICAO-IATA Dangerous Goods Regulations.

Not regulated

Sea

Refer to IMDG Regulations.

Not regulated

Section 15: Regulatory Information

Canada

Domestic Substance List (DSL)/Non-Domestic Substance Lists (NDSL)

All hazardous ingredients are listed on the DSL/NDSL.

Hazardous Products Act (R.S.C., 1985, c. H-3)

The safety data sheet and label comply with the Hazardous Product Act and WHMIS 2015.

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USA

Other Classifications

HMIS® RATING

HEALTH:	2
FLAMMABILITY:	1
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	

NFPA® 704 CODES



Approximate HMIS and NFPA Risk Ratings Legend:

0 (Low or none); 1 (Slight); 2 (Moderate); 3 (Serious); 4 (Severe)

CAA (Clean Air Act, USA)

This product does not contain any class 1 ozone depleting substances.

This product does not contain any class 2 ozone depleting substances.

This product does not contain substances that are listed as hazardous air pollutants.

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

This product does not contain ingredients that 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 known to cause cancer or reproductive toxicity, Sept 2, 2011 revision, USA).

This product does not contain any substances known to be listed in California.

Europe

RoHS (Restriction of Hazardous Substance Directive)

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

WEEE (Waste Electrical and Electronic Equipment Directive)

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



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Section 16: Other Information

SDS Prepared by Michel Hachey

Date of Revision 20 October 2017

Supersedes 17 March 2015

Reason for Changes: Added new part number in section 1.

Reference

- 1) ACGIH 2017 TLVs and BEIs: Based on the documentation of the threshold limit values for chemical substances and physical agents & biological exposure indices, American Conference of Governmental of Industrial Hygienist Cincinnati, OH (2017).
- 2) All toxicological data were checked against the RTECS (Registry of Toxic Effects of Chemical Substances®)

Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists (USA)
EC50	Half maximal effective concentration
EL50	Half maximal effective loading
NOELR	No observable effect loading ratio
GHS	Globally Harmonized System of Classification of Labeling of Chemicals
LC50	Lethal Concentration 50%
LCLo	Lowest published lethal concentration
LD50	Lethal Dose 50%
PEL	Permissible Exposure Limit
STEL	Short-Term Exposure Limit
TCLo	Lowest published toxic concentration
TWA	Time Weighted Average
VOC	Volatile Organic Content

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Technical Queries Contact us regarding any questions, improvement suggestions, or problems with this product. Application notes, instructions, and FAQs are located at www.mgchemicals.com.

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