

**NO CLEAN FLUX PASTE**

**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

### 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

MG Chemicals (Head Office)  
9347-193 Street  
Surrey, British Columbia V4N 4E7  
CANADA

**TEL** +1-800-340-0772

**TEL** +1-905-331-1396

**FAX** +1-800-340-0773

**FAX** +1-905-331-2682

**E-MAIL** [support@mgchemicals.com](mailto:support@mgchemicals.com)

**E-MAIL** [info@mgchemicals.com](mailto:info@mgchemicals.com)

**WEB** [www.mgchemicals.com](http://www.mgchemicals.com)

**E-MAIL** (Competent Person): [sds@mgchemicals.com](mailto:sds@mgchemicals.com)

### Emergency Phone Number

**For hazardous material incidents ONLY**—leaks, spills, fires, exposures or accidents  
USA or CANADA: Call CHEMTREC ☎: **+1-800-424-9300**

**For emergencies involving dangerous goods;** Collect 24/7  
CANADA: Call CANUTEC ☎: **+1-613-996-6666** or **\*666** on cellular phones

**NO CLEAN FLUX PASTE**

**8341**

**Section 2: Hazard(s) Identification**

**Classification of the Hazardous Material**

**GHS Categories**

Criteria	Category	Signal Word	Pictograms
Eye Damage	1	Danger	Corrosion

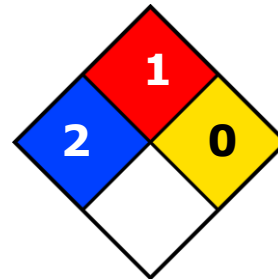
*Note:* The degree of severity is ranked within each hazard class from 1 (Highest Severity) to up to 5 (Lowest Severity), which is opposite to HMIS and NFPA conventions. Severity category rankings do not allow comparisons between classes.

**Other Classifications**

**HMIS® RATING**

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

**NFPA® 704 CODES**



*Approximate HMIS and NFPA Risk Ratings Legend:*


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

*Section continued on the next page*

## NO CLEAN FLUX PASTE

**8341**

### Label Elements

<b>Signal Word</b>	<b>DANGER</b>
<b>Pictograms</b>	<b>Hazard Statements</b>
	H318: Causes serious eye damage
<b>Prevention</b>	<b>Precautionary Statements</b>
P102	Keep out of reach of children.
P280	Wear protective eye protection/face protection.
P264	Wash hands thoroughly after handling.
<b>Response</b>	<b>Precautionary Statements</b>
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

Not applicable.

### 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%

**NO CLEAN FLUX PASTE**

**8341**

**Section 4: First-Aid Measures**

<i>Exposure Condition</i>	<i>GHS Code: Precautionary Statement</i>
<b>IF IN EYES</b>	P305 + P351 + P338, P310
<b>Immediate Symptoms</b>	<i>redness, tearing, pain, eye damage</i>
<b>Response</b>	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  Immediately call a POISON CENTER/doctor.
<b>IF INHALED</b>	P304 + P340
<b>Immediate Symptoms</b>	<i>IF Exposed to Solder Fumes: headaches, nausea, muscular pain</i>
<b>Response</b>	Remove person to fresh air and keep comfortable for breathing.
<b>IF ON SKIN</b>	P303 + P352, P332 + P313
<b>Immediate Symptoms</b>	<i>mild irritation, redness</i>
<b>Response</b>	Wash with plenty of water/shower.  If skin irritation occurs: Get medical advice/attention.
<b>IF SWALLOWED</b>	P301 + P330 + P331
<b>Immediate Symptoms</b>	<i>abdominal pain, nausea, vomiting, diarrhea</i>
<b>Response</b>	Rinse mouth. Do not induce vomiting.

## NO CLEAN FLUX PASTE

**8341**

### Section 5: Fire-Fighting Measures

<b>In case of fire</b>	P370 + P378
<b>Extinguishing Media</b>	Use dry chemical, carbon dioxide, alcohol resistant foam or water spray to extinguish. Use water spray to cool containers.
<b>Specific Hazards</b>	Not flammable or combustible, but burns if involved in a fire. Vapors may accumulate in low-lying areas.
<b>Combustion Products</b>	Produces carbon oxides (CO, CO <sub>2</sub> ) and nitrogen oxides (NO <sub>x</sub> ).
<b>Fire-Fighter</b>	Wear self-contained breathing apparatus and full fire-fighting turn-out gear.

### Section 6: Accidental Release Measures

<b>Personal Protection</b>	Use personal protection recommended in Section 8.
<b>Precautions for Response</b>	Remove all sources of ignition.
<b>Environmental Precautions</b>	Avoid releasing to the environment.
<b>Containment Methods</b>	Contain with inert absorbent (such as soil, sand, vermiculite).
<b>Cleaning Methods</b>	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.
<b>Disposal Methods</b>	Dispose spill waste according to Section 13.

## NO CLEAN FLUX PASTE

**8341**

### Section 7: Handling and Storage

<b>Prevention</b>	Do not eat, drink, or smoke when using this product.
<b>Handling</b>	Wear protective gloves/eye protection. Wash hands thoroughly after handling.
<b>Storage</b>	Keep container tightly closed.

### Section 8: Exposure Controls/Personal Protection

#### Routes of Entry

Eye contact, Inhalation, and Skin contact

#### Substances with Occupational Exposure Limit Values

Contains no substances with occupational exposure limits.

*Note:* The ACGIH<sup>2</sup>, OSHA, and Canadian provinces exposure limits were consulted. Limits from by RTECS database<sup>1</sup> of the Canadian Centre for Occupational Health and Safety (CCOHS) a data from suppliers' SDS were also consulted.

#### Engineering Controls

<b>Ventilation</b>	General ventilation is adequate for normal use; keep airborne exposure as low as possible.  <b>Manufacturer's Note:</b> During soldering, use of a <u>local exhaust system</u> is highly recommended to avoid exposure to thermal decomposition products.
--------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

#### Personal Protective Equipment

<b>Eye protection</b>	Wear appropriate protective eyeglasses or chemical safety goggles.  <b>RECOMMENDATION:</b> Use safety glasses with lateral protection.
<b>Skin Protection</b>	Wear appropriate protective clothing to prevent skin contact.  <b>RECOMMENDATION:</b> Use nitrile, polyvinyl chloride (PVC), butyl rubber, or other chemically resistant gloves.
<b>Respiratory Protection</b>	Not normally required, but if exposed to high levels of mist/vapors/fumes, wear respirator such as a half-mask respirator.

*Section continued on the next page*

## NO CLEAN FLUX PASTE

**8341**

**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 with water and soap after use.

### Section 9: Physical and Chemical Properties

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

**NO CLEAN FLUX PASTE****8341****Section 10: Stability and Reactivity**

<b>Reactivity</b>	Not available
<b>Chemical Stability</b>	Chemically stable at normal temperatures and pressures
<b>Conditions to Avoid</b>	Ignition sources, excessive heat, and incompatible substances
<b>Incompatibilities</b>	Strong oxidizing agents, strong acids
<b>Polymerization</b>	Will not occur
<b>Decomposition</b>	For thermal decomposition, see combustion products in Section 5.

**Section 11: Toxicological Information****Routes of Exposure**

Eyes, ingestion, inhalation, and skin

**Symptoms Summary**

<b>Eyes</b>	Causes redness, tearing, pain, or eye damage if splashed in eyes or exposed to vapors.
<b>Skin</b>	May cause redness and mild skin irritation.
<b>Inhalation</b>	Exposure to soldering fumes may cause headaches and nausea. Severe overexposure may cause muscular pain.
<b>Ingestion</b>	It may cause abdominal pain, nausea, vomiting, diarrhea. (See inhalation symptoms.)
<b>Chronic</b>	Prolonged skin contact may cause skin irritation with pain.

*Section continued on the next page*

## NO CLEAN FLUX PASTE

**8341**

### Lethal Exposure Concentrations

Chemical Name	LD50 oral	LD50 dermal	LC50 inhalation
rosin, polymerized	>5 000 mg/kg Rat	>2 000 mg/kg Rabbit	Not available
2-(2-hexyloxyethoxy) ethanol	2 400 mg/kg Rat	1 500 µL/kg Rabbit	Not available
ethoxylated oleyl alcohol	Not available	Not available	Not available
polyamide 6	Not available	Not available	11 g/m <sup>3</sup> 30 min Rat

*Note:* Representative toxicity data from by RTECS database<sup>2</sup> of the Canadian Centre for Occupational Health and Safety (CCOHS) data from supplier (M)SDS were also consulted.

### Other Toxicological Effects

<b>Skin corrosion/irritation</b>	Based on available data, the classification criteria are not met.
<b>Serious eye damage/irritation</b>	The 2-(2-hexyloxyethoxy)ethanol component causes serious eye damage according to in vivo animal studies.
<b>Respiratory and skin sensitization</b> (allergic reactions)	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b> (risk of cancer)	Based on available data, the classification criteria are not met.
<b>Mutagenicity</b> (risk of heritable genetic effects)	Based on available data, the classification criteria are not met.
<b>Reproductive Toxicity</b> (risk to sex functions)	Based on available data, the classification criteria are not met.
<b>Teratogenicity</b> (risk of fetus malformation)	Based on available data, the classification criteria are not met.
<b>STOT-single exposure</b>	Based on available data, the classification criteria are not met.
<b>STOT-repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Mixture does not contain components classified as a Cat 1 aspiration hazards and kinematic viscosity at 40 °C is expected to be >20.5 mm <sup>2</sup> /s; therefore, the mixture is not a Cat 1 aspiration hazard.

**NO CLEAN FLUX PASTE****8341****Section 12: Ecological Information**

The IMDG Code criteria and the raw-material (M)SDS along with supporting data for the classification of registered substances from the European Chemical Agency database (<http://echa.europa.eu>) were used.

**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

**Section 13: Disposal Considerations**

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

## NO CLEAN FLUX PASTE

**8341**

### 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

##### WHMIS 1988 Classification



D2B – Toxic Other (Eye Irritant)

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

All hazardous ingredients are listed on the DSL/NDSL.

##### 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.

##### Health Canada

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

*Section continued on the next page*

**NO CLEAN FLUX PASTE****8341****USA****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**

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**

**SDS Prepared by** Michel Hachey

**Date of Revision** 17 March 2015

**Supersedes** 20 January 2015

**Reason for Changes:** Changed to comply with WHMIS 2015 as well as HCS 2012.

**Reference**

1) ACGIH 2013 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 (2013).

2) All toxicological data were checked against the RTECS (Registry of Toxic Effects of Chemical Substances®)

*Section continued on the next page*

## **NO CLEAN FLUX PASTE**

**8341**

### **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

**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](http://www.mgchemicals.com).

Email: [support@mgchemicals.com](mailto:support@mgchemicals.com)

**Mailing Addresses** *Manufacturing & Support*  
1210 Corporate Drive  
Burlington, Ontario, Canada  
L7L 5R6

*Head Office*  
9347-193rd Street  
Surrey, British Columbia, Canada  
V4N 4E7

**Disclaimer** This material safety data sheet is provided as an information resource only. *M.G. Chemicals, Ltd.* believes the information contained herein is accurate and compiled from reliable sources. It is the responsibility of the user to query and verify any information seeming suspect where doubt on the validity may exist. The buyer assumes all responsibility of using and handling the product in accordance with local, regional, national, and international regulations.

# AMEYA360

## Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit [www.ameya360.com](http://www.ameya360.com)

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd  
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email [amall@ameya360.com](mailto:amall@ameya360.com)

QQ 800077892

Skype [ameyasales1](#) [ameyasales2](#)

➤ Customer Service :

Email [service@ameya360.com](mailto:service@ameya360.com)

➤ Partnership :

Tel +86 (21) 64016692-8333

Email [mkt@ameya360.com](mailto:mkt@ameya360.com)