

# Safety Data Sheet

according to WHS Regulations

## \* 1 Identification

· **Product identifier**

· **Trade name: 8341**

- **Other Means of Identification:** No Clean Flux Paste
- **Related Part Number:** 8341-Liquid, 8341-10ML, 8341-10MLCA, 8341B-10ML, 8341-50ML

· **Relevant identified uses of the substance or mixture and uses advised against**

- **Application of the substance / the mixture** Soldering flux

· **Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

MG Chemicals Ltd. (Head Office)  
1210 Corporate Drive  
Burlington, Ontario L7L 5R6  
CANADA  
+(1) 905-331-1396  
info@mgchemicals.com

Mektronics Australia Pty Ltd  
5 Prince William Drive  
Seven Hills  
NSW 2147  
Australia  
www.mektronics.com.au  
sales@mektronics.com.au

· **Further information obtainable from:** sds@mgchemicals.com

· **Emergency telephone number:**

Verisk 3E (Access Code: 335388)  
+61 1 800 686 951  
+61 280363166

## \* 2 Hazard(s) Identification

· **Classification of the substance or mixture**

Eye damage/irritation – Category 1 H318 Causes serious eye damage.

· **Label elements**

· **GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**



GHS05

· **Signal word** Danger

· **Hazard-determining components of labelling:**

adipic acid (9 %)

· **Hazard statements**

H318 Causes serious eye damage.

· **Precautionary statements**

P102 Keep out of reach of children.

# Safety Data Sheet

according to WHS Regulations

Date of issue: 22.08.2025

Version number 6.01

Revision: 02.10.2024

Trade name: 8341

(Contd. of page 1)

P280 Wear eye protection / face protection.  
 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.

· **Other hazards**

Rosin-based flux fumes may irritate the nose, throat and lungs. After prolonged/repeated exposure, it may elicit an allergic reaction (asthma).

· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## \* 3 Composition and Information on Ingredients

· **Chemical characterisation: Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· <b>Dangerous components:</b>		
65997-06-0	Rosin, hydrogenated	42.0%
124-04-9	adipic acid ⚠ Eye damage/irritation – Category 1, H318; ⚠ Specific target organ toxicity (single exposure) – Category 3, H335	9.0%
95-14-7	benzotriazole ⚠ Specific target organ toxicity (single exposure) – Category 2, H371; ⚠ Acute toxicity - oral – Category 4, H302; Acute toxicity - inhalation – Category 4, H332; Eye damage/irritation – Category 2A, H319	1.0%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

## \* 4 First Aid Measures

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:**

Generally the product does not irritate the skin.  
 Wash with plenty of water or shower.  
 Take off contaminated clothing and wash it before reuse.

· **After eye contact:**

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 or doctor.

· **After swallowing:**

Rinse mouth.  
 Do NOT induce vomiting.  
 If symptoms persist consult doctor.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

(Contd. on page 3)

# Safety Data Sheet

according to WHS Regulations

Date of issue: 22.08.2025

Version number 6.01

Revision: 02.10.2024

Trade name: 8341

(Contd. of page 2)

- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

## \* 5 Fire Fighting Measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture**  
Not flammable or combustible, but burns if involved in a fire. Produces irritating smoke of unknown toxicity in fires.  
Prevent fire-fighting wash from entering waterway or sewer system.
  - **Hazardous combustion products:**  
Carbon Oxides (CO<sub>x</sub>)  
Nitrogen Oxides (NO<sub>x</sub>)  
oxidized rosin colophony by-products
- **Protective equipment:** Wear self-contained breathing apparatus and full fire-fighting turn-out gear.

## \* 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
Avoid breathing the fumes or vapors.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Scoop paste into a chemical-resistant container. Wipe residue with a paper towel, and place dirty towels in container. Use soap and water to remove the last traces of residue.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## \* 7 Handling and Storage

- **Handling:**
  - **Precautions for safe handling**  
Avoid breathing fumes or vapours.  
Wear protective gloves and eye protection.  
Wash hands and exposed skin thoroughly after handling.  
Take off contaminated clothing and wash it before reuse.  
For frequent or prolonged soldering processes, use of a local exhaust system to avoid exposure to thermal decomposition products. For example, use fume cabinet, a hood on a flexible arm, or tip-mounted fume extraction system on the soldering iron.
  - **Information about fire - and explosion protection:** No special measures required.

(Contd. on page 4)

# Safety Data Sheet

according to WHS Regulations

Date of issue: 22.08.2025

Version number 6.01

Revision: 02.10.2024

---

**Trade name: 8341**

---

(Contd. of page 3)

**Storage:****Requirements to be met by storerooms and receptacles:**

Keep in a dry and clean area, away from incompatible substances

**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:** Keep container tightly sealed.**Specific end use(s)** See section 1.2

---

## \* 8 Exposure controls and personal protection

**Appropriate engineering controls**

Soft soldering temperatures (<450 °C) are generally too low to generate significant amounts of metal vapors; however, metal oxide fumes and dust, or flux decomposition fumes can occur.

RECOMMENDATION: For frequent or prolonged soldering processes, use of a local exhaust system to avoid exposure to thermal decomposition products. For example, use fume cabinet, a hood on a flexible arm, or tip-mounted fume extraction system on the soldering iron.

**Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information:**

The lists valid during the making were used as basis.

Refer to the national or regional occupational exposure limit regulation for abbreviations and acronyms.

**Personal protective equipment:****General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

**Respiratory protection:**

If the product is heated or worker has a known allergic reaction, consider using a full mask with organic vapor cartridge or with an independent air supply.

**Protection of hands:**

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.



Protective gloves: EN374

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 5)

# Safety Data Sheet

according to WHS Regulations

Date of issue: 22.08.2025

Version number 6.01

Revision: 02.10.2024

Trade name: 8341

(Contd. of page 4)

· **Eye protection:**



Safety glasses or tightly sealed goggles: EN 166

## \* 9 Physical and Chemical Properties

· <b>Appearance:</b>	
· <b>Form:</b>	Pasty
· <b>Colour:</b>	Yellow
· <b>Odour:</b>	Mild
· <b>Odour threshold:</b>	Not determined.
· <b>pH-value:</b>	Not applicable.
· <b>Melting point/freezing point:</b>	Undetermined.
· <b>Initial boiling point and boiling range:</b>	Undetermined.
· <b>Flash point:</b>	Not applicable.
· <b>Flammability</b>	Non flammable
· <b>Auto-ignition temperature:</b>	Not determined
· <b>Decomposition temperature:</b>	Not determined.
· <b>Ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
· <b>Lower:</b>	Not applicable
· <b>Upper:</b>	Not applicable
· <b>Vapour pressure:</b>	Not applicable.
· <b>Density at 20 °C:</b>	1 g/cm <sup>3</sup>
· <b>Relative density at 25 °C:</b>	1
· <b>Vapor density (air=1):</b>	Not applicable.
· <b>Evaporation rate</b>	Not applicable.
· <b>Solubility in / Miscibility with</b>	
· <b>water:</b>	Not determined.
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
· <b>Dynamic:</b>	Not applicable.
· <b>Kinematic:</b>	Not applicable.
· <b>Solvent content:</b>	
· <b>Organic solvents:</b>	Not available
· <b>VOC (EC)</b>	24 %
· <b>Solids content:</b>	76 %
· <b>Other information</b>	No further relevant information available.
· <b>Conductivity</b>	
· <b>Particle characteristics</b>	Not available

(Contd. on page 6)

# Safety Data Sheet

according to WHS Regulations

Date of issue: 22.08.2025

Version number 6.01

Revision: 02.10.2024

Trade name: 8341

(Contd. of page 5)

· <b>Physical state</b>	Solid
-------------------------	-------

## \* 10 Stability and Reactivity

· **Reactivity**

Hydrogenated rosin is oxidation resistant; however, it may still contain some residual of unmodified resin acids that can be auto-oxidize in contact with air and sunlight. The resulting oxidation by-products may cause sensitization.

· **Chemical stability** Chemically stable at normal temperatures and pressures.

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **Possibility of hazardous reactions** No dangerous reactions known.

· **Conditions to avoid**

Avoid open flames, excessive heat, sparks, ignition sources, and incompatible substances.

· **Incompatible materials:** Strong oxidizing agents

· **Hazardous decomposition products:**

Thermal degradation produces solder flux pyrolysis by-products.

Hazardous combustion products: see section 5.

## \* 11 Toxicological Information

· **Information on toxicological effects**

· **Acute toxicity** Based on available data, the classification criteria are not met.

· <b>LD/LC50 values relevant for classification:</b>		
<b>ATE (Acute Toxicity Estimates)</b>		
Oral	LD50	50,000 mg/kg
Inhalative	LC50/4 h	150 mg/L
<b>124-04-9 adipic acid</b>		
Oral	LD50	11,000 mg/kg (rat)
<b>95-14-7 benzotriazole</b>		
Oral	LD50	500 mg/kg (ATE)
Inhalative	LC50/4 h	1.5 mg/L (ATE)

· **Primary irritant effect:**

· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.

· **Serious eye damage/irritation** Causes serious eye damage.

· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

· **Carcinogenicity** Based on available data, the classification criteria are not met.

· **Reproductive toxicity** Based on available data, the classification criteria are 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** Based on available data, the classification criteria are not met.

(Contd. on page 7)

**Trade name: 8341**

(Contd. of page 6)

· **Summary of Effects and Symptoms by Routes of Exposure**

· **Eyes:**

pain  
eye damage  
redness, serious irritation

· **Skin:** redness, may cause mild irritation

· **Inhalation:** cough

· **Swallowed:**

abdominal pain  
nausea  
vomiting

· **Interactive effects**

- **Delayed and immediate effects as well as chronic effects from short and long-term exposure**  
No further relevant information available.

**\* 12 Ecological Information**

· **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability** No further relevant information available.

· **Behaviour in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.

· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

**\* 13 Disposal considerations**

· **Waste treatment methods**

- **Recommendation** This material and its container must be disposed of as hazardous waste.

· **Uncleaned packaging:**

· **Recommendation:**

Containers may still present a chemical hazard/ danger when empty.  
Dispose of contents in accordance with all local, regional, national, and international regulations.  
Where possible retain label warnings and SDS and observe all notices pertaining to the product.

- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

— AU —

(Contd. on page 8)

# Safety Data Sheet

according to WHS Regulations

Page 8/9

Date of issue: 22.08.2025

Version number 6.01

Revision: 02.10.2024

Trade name: 8341

(Contd. of page 7)

## 14 Transport information

· <b>UN-Number</b> · ADG, IMDG, IATA	Not regulated
· <b>UN proper shipping name</b> · ADG, ADN, IMDG, IATA	Not regulated
· <b>Transport hazard class(es)</b> · ADG, ADN, IMDG, IATA · Class	Not regulated
· <b>Packing group</b> · ADG, IMDG, IATA	Not applicable
· <b>Environmental hazards:</b>	Not applicable.
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>UN "Model Regulation":</b>	Not regulated

## \* 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· <b>Australian Inventory of Industrial Chemicals</b> All ingredients are listed.
· <b>Standard for the Uniform Scheduling of Medicines and Poisons</b> None of the ingredients is listed.
· <b>Australia: Priority Existing Chemicals</b> None of the ingredients is listed.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

## \* 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

- H302 Harmful if swallowed.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H371 May cause damage to organs.

· **Department issuing SDS:** Regulatory department

· **Contact:** sds@mgchemicals.com

(Contd. on page 9)

— AU —

# Safety Data Sheet

## according to WHS Regulations

Page 9/9

Date of issue: 22.08.2025

Version number 6.01

Revision: 02.10.2024

---

**Trade name: 8341**

---

(Contd. of page 8)

- **Date of previous version:** 26.04.2024
- **Version number of previous version:** 6.00
- **Abbreviations and acronyms:**
  - ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - VOC: Volatile Organic Compounds (USA, EU)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - Acute toxicity - oral – Category 4: Acute toxicity – Category 4
  - Eye damage/irritation – Category 1: Serious eye damage/eye irritation – Category 1
  - Eye damage/irritation – Category 2A: Serious eye damage/eye irritation – Category 2A
  - Specific target organ toxicity (single exposure) – Category 2: Specific target organ toxicity (single exposure) – Category 2
  - Specific target organ toxicity (single exposure) – Category 3: Specific target organ toxicity (single exposure) – Category 3
- **\* Data compared to the previous version altered.**

---

— AU —