

according to WHS Regulations

Printing date 29.04.2024

Version number 6

Revision: 29.04.2024

1 Identification

- **Product identifier**
- **Trade name:** 8341-Liquid
- **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**
No further relevant information available.
- **Details of the supplier of the safety data sheet** M.G. Chemicals Ltd.
- **Manufacturer/Supplier:**

MG Chemicals Ltd. (Head Office)
1210 Corporate Drive
Burlington, Ontario L7L 5R6
CANADA
+(1) 800-340-0772

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:**
CHEMTRAC Australia: + (61) 2-9037-2994
Other emergency telephone number: +(1) 703-527-3887

2 Hazard(s) Identification

- **Classification of the substance or mixture**



corrosion

Eye Dam. 1 H318 Causes serious eye damage.



Skin Sens. 1 H317 May cause an allergic skin reaction.

- **Label elements**

- **GHS label elements**

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

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- Hazard pictograms

GHS05



GHS07

- Signal word Danger**- Hazard-determining components of labelling:**

Rosin, hydrogenated (30–60 %)

adipic acid ($\geq 3 - < 10 \%$)**- Hazard statements**

Causes serious eye damage.

May cause an allergic skin reaction.

- Precautionary statements

Keep out of reach of children.

Wear eye protection / face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER/doctor.

- Other hazards**- 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.**- Dangerous components:**

65997-06-0 Rosin, hydrogenated 30–60%

Skin Sens. 1, H317

124-04-9 adipic acid $\geq 3 - < 10 \%$

Eye Dam. 1, H318; STOT SE 3, H335

95-14-7 benzotriazole <10%

 STOT SE 2, H371; Acute Tox. 4, H302; Acute Tox. 4, H332;
Serious eye damage/irritation – Category 2A, H319
- Additional information: For the wording of the listed hazard phrases refer to section 16.**4 First Aid Measures****- After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- After skin contact: Immediately wash with water and soap and rinse thoroughly.**- After eye contact:**

Rinse opened eye for several minutes under running water. Then consult a doctor.

- After swallowing: If symptoms persist consult doctor.**- Information for doctor:****- Most important symptoms and effects, both acute and delayed**

No further relevant information available.

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

5 Fire Fighting Measures

- **Suitable extinguishing agents:**
Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture**
Vapors are heavier than air. Vapors may travel to sources of ignition near the ground. They can cause flash fire or ignite explosively.
- **Protective equipment:** No special measures required.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Use neutralising agent.
Dispose contaminated material as waste according to section 13.
- **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** Thorough dedusting.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls and personal protection

- **Additional information about design of technical facilities:**
No further data; see section 7.
- **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.
- **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.
Avoid contact with the eyes and skin.
- **Respiratory protection:** Not required.

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- Protection of hands:**Protective gloves**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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

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.

- Eye protection:**Tightly sealed goggles****9 Physical and Chemical Properties****- General Information****- Appearance:****- Form:**

Solid

- Colour:

According to product specification

- Odour:

Characteristic

- Odour threshold:

Not determined.

- pH-value:

Not applicable.

- Change in condition**- Melting point/freezing point:**

Undetermined.

- Initial boiling point and boiling range:

Undetermined.

- Flash point:

Not applicable.

- Flammability (solid, gas):

Not determined.

- Decomposition temperature:

Not determined.

- Ignition temperature:

Product is not selfigniting.

- Explosive properties:

Product does not present an explosion hazard.

- Explosion limits:**- Lower:**

Not determined.

- Upper:

Not determined.

- Vapour pressure:

Not applicable.

- Density at 20 °C:1 g/cm³**- Relative density**

Not determined.

- Vapour density

Not applicable.

- Evaporation rate

Not applicable.

- Solubility in / Miscibility with

Soluble.

- water:**- Partition coefficient: n-octanol/water:** Not determined.

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· Viscosity:	
· Dynamic:	Not applicable.
· Kinematic:	Not applicable.
· Solvent content:	
· Solids content:	100.0 %
· Other information	No further relevant information available.

10 Stability and Reactivity

- Reactivity** No further relevant information available.
- Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- Possibility of hazardous reactions** No dangerous reactions known.
- Conditions to avoid** No further relevant information available.
- Incompatible materials:** No further relevant information available.
- Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological Information

- Information on toxicological effects**
- Acute toxicity** Based on available data, the classification criteria are not met.
- LD/LC50 values relevant for classification:**

ATE (Acute Toxicity Estimates)

Oral LD50 50,000 mg/kg
 Inhalative LC50/4 h 150 mg/l

124-04-9 adipic acid

Oral LD50 11,000 mg/kg (rat)

- 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** May cause an allergic skin reaction.
- 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.

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.
- Additional ecological information:**
- General notes:**
Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Must not reach sewage water or drainage ditch undiluted or unneutralised.

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*Danger to drinking water if even extremely small quantities leak into the ground.***· 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***Must not be disposed together with household garbage. Do not allow product to reach sewage system.***· Uncleaned packaging:****· Recommendation:** Disposal must be made according to official regulations.**· Recommended cleansing agents:** Water, if necessary together with cleansing agents.*** 14 Transport information**

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

*** 15 Regulatory information****· Safety, health and environmental regulations/legislation specific for the substance or mixture****· Australian Inventory of Industrial Chemicals***All ingredients are listed.***· Standard for the Uniform Scheduling of Medicines and Poisons***None of the ingredients is listed.***· Australia: Priority Existing Chemicals***None of the ingredients is listed.***· GHS label elements***The product is classified and labelled according to the Globally Harmonised System (GHS).*

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GHS07

· Signal word Danger**· Hazard-determining components of labelling:**

Rosin, hydrogenated (30–60 %)

adipic acid ($\geq 3 - < 10\%$)**· Hazard statements**

Causes serious eye damage.

May cause an allergic skin reaction.

· Precautionary statements

Keep out of reach of children.

Wear eye protection / face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER/doctor.

· Directive 2012/18/EU**· Named dangerous substances - ANNEX I** None of the ingredients is listed.**· Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**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.

H317 May cause an allergic skin reaction.

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: Product safety department.**· Contact:** sds@mgchemicals.com**· 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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Serious eye damage/irritation – Category 2A: Serious eye damage/eye irritation – Category 2A

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 2: Specific target organ toxicity (single exposure) – Category 2

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STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
· * **Data compared to the previous version altered.**

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