

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

· 1.1 Product identifier

- **Trade name:** 8342
- **Other Means of Identification:** RA Rosin Flux Paste
- **Related Part Number:** 8342, 8342-10ML, 8342-50G
- **UFI:** MKH0-J0US-C00M-20WV

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

- **Application of the substance / the mixture** Flux
- **Uses advised against** Not available

· 1.3 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

MG Chemicals
Heame House, 23 Bliston Street
Sedgely Dudley DY3 1JA.
United Kingdom
+(44) 1663 362888

MG Chemicalst Ltd.
18-20, Msida Road,
Gzira, GZR 1401
MALTA

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

· 1.4 Emergency telephone number:

3E (Access code: 335388)
+(44) 20 3514787
+(1) 760 476 3961
UK Toll free: +(0) 800 680 0425

Members of the public seeking specific information on poisons should contact:
In England and Wales: NHS 111 - dial 111
In Scotland: NHS 24 - dial 111

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

- **Classification according to Regulation (EC) No 1272/2008**
 - Eye Irrit. 2 H319 Causes serious eye irritation.
 - Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 - Skin Sens. 1 H317 May cause an allergic skin reaction.

· 2.2 Label elements

- **Labelling according to Regulation (EC) No 1272/2008**
 - The product is classified and labelled according to the GB CLP regulation.

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· **Hazard pictograms**



GHS08

· **Signal word** Danger

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

Paraffin oils
Rosin
suberic acid
succinic acid

· **Hazard statements**

H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.

· **Precautionary statements**

P102 Keep out of reach of children.
P261 Avoid breathing fumes and vapors.
P280 Wear protective gloves, protective clothing, and eye protection.
P284 [In case of inadequate ventilation] wear respiratory protection.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

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

· **Determination of endocrine-disrupting properties** Endocrine Disruptor substance $\geq 0.1\%$ = none

SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

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

· **Dangerous components:**

CAS: 8012-95-1 EINECS: 232-384-2	Paraffin oils	☠ Asp. Tox. 1, H304; Aquatic Chronic 4, H413	10%
CAS: 8050-09-7 EINECS: 232-475-7 Index number: 650-015-00-7	Rosin	☠ Resp. Sens. 1, H334; ⚠ Skin Sens. 1, H317	5%
CAS: 505-48-6 EINECS: 208-010-9	suberic acid	⚠ Eye Irrit. 2, H319	3%
CAS: 110-15-6 EINECS: 203-740-4	succinic acid	☠ Eye Dam. 1, H318	2%

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

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· **After inhalation:**

Remove person to fresh air and keep comfortable for breathing.
If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

· **After skin contact:**

Wash with plenty water.
If skin irritation or rash occurs: Get medical advice or attention.
Take off contaminated clothing and wash it before reuse.

· **After eye contact:**

Rinse cautiously with water for 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice or attention.

· **After swallowing:**

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

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

No further relevant information available.

· 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· **Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· 5.2 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:**

Nitrogen Oxides (NO_x)
Carbon Oxides (CO_x)
rosin solder pyrolysis products

· 5.3 Advice for firefighters

- **Protective equipment:** Wear self-contained breathing apparatus and full fire-fighting turn-out gear.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

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Avoid breathing the fumes or vapors.

· **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

· **6.3 Methods and material for containment and cleaning up:**

Not readily flowable.

Collect in a sealable, chemical-resistant container.

Wipe the residues with a paper towel and place dirty towels in container.

Use soap and water to remove the last traces of residue.

· **6.4 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.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Wear protective gloves and eye protection.

Wash hands and exposed skin thoroughly after handling.

Take off contaminated clothing and wash it before reuse.

Contaminated work clothing should not be allowed out of the workplace.

In case of inadequate ventilation wear respiratory protection.

· **Information about fire - and explosion protection:** No special measures required.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **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.

· **Storage class:** 11

· **7.3 Specific end use(s)** See section 1.2

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

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

8050-09-7 Rosin

WEL	Short-term value: 0.15 mg/m ³ Long-term value: 0.05 mg/m ³ Sen
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· **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.

· **8.2 Exposure controls**

· **Appropriate engineering controls**

Keep airborne concentrations below exposure limits.

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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.

· **Individual protection measures, such as 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.

For over-exposures up to 10 x OEL of mist, vapors, and spray, wear respirator such as a half-mask respirator with organic vapor cartridges.

Above 10 x OEL, use a positive-pressure, air-supplied respirator or a self-contained breathing apparatus.

Advice should be sought from respiratory protection specialists.

· **Hand protection**

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.

· **Eye/face protection**



Safety glasses or tightly sealed goggles: EN 166

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

- | | |
|--|----------------|
| · Physical state | Solid |
| · Form: | Pasty |
| · Colour: | Yellow |
| · Odour: | Mild |
| · Odour threshold: | Not determined |
| · Melting point/freezing point: | Undetermined |

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<ul style="list-style-type: none"> · Boiling point or initial boiling point and boiling range Undetermined · Flammability Non flammable · Lower and upper explosion limit <ul style="list-style-type: none"> · Lower: Not applicable · Upper: Not applicable · Flash point: Not applicable · Auto-ignition temperature: Not determined · Decomposition temperature: Not determined · pH Not applicable · Viscosity: <ul style="list-style-type: none"> · Kinematic viscosity Not applicable · Dynamic: Not applicable · Solubility <ul style="list-style-type: none"> · water: Not determined · Partition coefficient n-octanol/water (log value) Not determined · Vapour pressure: Not determined · Relative density at 25 °C: 1.28 · Vapour density (air=1): Not applicable · Particle characteristics See section 3.
<ul style="list-style-type: none"> · 9.2 Other information
<ul style="list-style-type: none"> · 9.2.1 Information with regard to physical hazard classes Not applicable · 9.2.2 Other safety characteristics <ul style="list-style-type: none"> · Evaporation rate Not applicable. · Ignition temperature: Product is not selfigniting. · Explosive properties: Product does not present an explosion hazard. · Solvent content: <ul style="list-style-type: none"> · Organic solvents: Not available · Solids content: 100.0 %

SECTION 10: Stability and reactivity

· 10.1 Reactivity

When rosin flux is exposed to soldering temperatures (350–400 °C) during normal conditions of use, it produces oxidized rosins. These by-products are known skin and respiratory sensitizers.

· 10.2 Chemical stability

Chemically stable at normal temperatures and pressures.

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

No decomposition if used according to specifications.

· 10.3 Possibility of hazardous reactions

No dangerous reactions known.

· 10.4 Conditions to avoid

Avoid ignition sources, open flames, and incompatible substances.

· 10.5 Incompatible materials:

Strong oxidizing agents

· 10.6 Hazardous decomposition products:

Hazardous combustion products: see section 5.

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Thermal degradation produces oxidized rosin by-products that are known skin and respiratory sensitizers.

SECTION 11: Toxicological information

· 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

- **LD/LC50 values relevant for classification:**

110-15-6 succinic acid

Oral	LD50	2,260 mg/kg (rat)
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- **Primary irritant effect:**

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Causes serious eye irritation.

- **Respiratory or skin sensitisation**

- May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- 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.

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

- **Eyes:** redness, serious irritation

- **Skin:**

- rash, allergic contact dermatitis
- redness, may cause mild irritation

- **Inhalation:**

- cough
- sore throat
- wheezing, shortness of breath, difficulty breathing

- **Swallowed:**

- Low toxicity:
- abdominal discomfort

- **Subacute to chronic toxicity:**

- **Delayed and immediate effects as well as chronic effects from short and long-term exposure**
Prolonged or repeated exposure to the oxidized rosin flux may lead to skin sensitization, respiratory sensitization and provoke asthma.

· 11.2 Information on other hazards

- **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

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

· 12.2 Persistence and degradability

No further relevant information available.

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- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
 - **PBT:** Not applicable
 - **vPvB:** Not applicable
- **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
 - **Additional ecological information:**
 - **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- **13.1 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.

SECTION 14: Transport information

· 14.1 UN number or ID number · ADR, IMDG, IATA	Not regulated
· 14.2 UN proper shipping name · ADR, IMDG, IATA	Not regulated
· 14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class	Not regulated
· 14.4 Packing group · ADR, IMDG, IATA	Not applicable
· 14.5 Environmental hazards:	Not applicable
· 14.6 Special precautions for user	Not applicable
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable

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· UN "Model Regulation":	Not regulated
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SECTION 15: Regulatory information

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

· **Poisons Act**

· **Regulated explosives precursors (Part 1)**

None of the ingredients is listed.

· **Regulated poisons (Part 2)**

None of the ingredients is listed.

· **Reportable explosives precursors (Part 3)**

None of the ingredients is listed.

· **Reportable poisons (Part 4)**

None of the ingredients is listed.

· **Directive 2012/18/EU**

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

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 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.

Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

· **Relevant phrases**

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

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H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H413 May cause long lasting harmful effects to aquatic life.

Classification according to Regulation (EC) No 1272/2008	
Serious eye damage/irritation Respiratory sensitisation Skin sensitisation	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

• **Department issuing SDS:** Regulatory department

• **Contact:** sds@mgchemicals.com

• **Date of previous version:** 25.06.2024

• **Version number of previous version:** 6.02

• **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

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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

ATE: Acute toxicity estimate values

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

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Resp. Sens. 1: Respiratory sensitisation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

• *** Data compared to the previous version altered.**