



## Safety Data Sheet

LOCTITE MR GC4 GASKET CEMENT NO4 AUTO known as  
50mL GASKET CEMENT NO4 AUTO

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SDS No. : 430080  
V001.3  
Date of issue: 07.06.2021

### Section 1. Identification of the substance/preparation and of the company/undertaking

**Product name:** LOCTITE MR GC4 GASKET CEMENT NO4 AUTO known as 50mL GASKET CEMENT NO4 AUTO

**Intended use:** Car-care product

**Supplier:**  
Henkel Australia Pty Ltd  
135-141 Canterbury Road  
Kilsyth, Victoria, 3137  
Australia

Phone: +61 (3) 9724 6444

**Emergency information:** 24 HOUR EMERGENCY CONTACT NUMBER: 1800 032 379

### Section 2. Hazards identification

#### Classification of the substance or mixture

Hazardous according to the criteria of Safe Work Australia.

#### GHS Classification:

**Hazard Class**  
Flammable liquids  
Skin sensitizer

**Hazard Category**  
Category 3  
Category 1

#### Hazard pictogram:



#### Signal word:

Warning

<b>Hazard statement(s):</b>	H226 Flammable liquid and vapor. H317 May cause an allergic skin reaction.
<b>Precautionary Statement(s):</b>	
<b>Prevention:</b>	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P240 Ground and bond container and receiving equipment. P241 Use explosion-proof electrical/ventilating/lighting equipment. P242 Use non-sparking tools. P243 Take action to prevent static discharges. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves, eye protection, and face protection.
<b>Response:</b>	P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P363 Wash contaminated clothing before reuse. P370+P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
<b>Storage:</b>	P403+P235 Store in a well-ventilated place. Keep cool.
<b>Disposal:</b>	P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations.

**Dangerous Goods information:**

Classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

**Section 3. Composition / information on ingredients**

**General chemical description:** Mixture

**Identity of ingredients:**

Chemical ingredients	CAS-No.	Proportion
rosin	8050-09-7	30- < 60 %
Ethanol	64-17-5	30- < 60 %
non hazardous ingredients~		<= 10 %

**Section 4. First aid measures**

<b>Ingestion:</b>	Do not induce vomiting. Have victim rinse mouth thoroughly with water. Seek medical advice.
<b>Skin:</b>	Rinse with running water and soap. Seek medical advice.
<b>Eyes:</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. In case of adverse health effects seek medical advice.
<b>Inhalation:</b>	Move to fresh air. Keep warm and in a quiet place. In case of adverse health effects seek medical advice.
<b>First Aid facilities:</b>	Eye wash Normal washroom facilities

**Medical attention and special treatment:** Treat symptomatically.

### Section 5. Fire fighting measures

**Suitable extinguishing media:** Foam, dry chemical or carbon dioxide.

**Improper extinguishing media:** High pressure waterjet

**Decomposition products in case of fire:** Thermal decomposition can lead to release of irritating gases and vapors.  
Carbon monoxide.  
Carbon dioxide.

**Particular danger in case of fire:** WARNING FLAMMABLE!  
Vapors may form explosive mixtures with air.

**Special protective equipment for fire-fighters:** Wear full protective clothing.  
Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).

**Additional fire fighting advice:** In case of fire, keep containers cool with water spray.

**Hazchem code:** •3YE

### Section 6. Accidental release measures

**Personal precautions:** Remove sources of ignition.  
Ensure adequate ventilation.  
Avoid skin and eye contact.  
Wear appropriate personal protective equipment.

**Environmental precautions:** Do not empty into drains / surface water / ground water.

**Clean-up methods:** Soak up with inert absorbent.  
Use noncombustible absorbent material such as sand.  
Dispose of contaminated material as waste according to Section 13.

### Section 7. Handling and storage

**Precautions for safe handling:** Ventilate working rooms thoroughly. Avoid naked flames, sparking and sources of ignition. Switch off electrical devices. Do not smoke, do not weld. Do not empty waste into waste water drains.  
Take measures to prevent the build-up of electrostatic charges.  
Avoid skin and eye contact.  
Wear suitable protective clothing, gloves and eye/face protection.

**Conditions for safe storage:** Store in sealed original container.  
Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.  
Do not expose to direct sunlight.  
Refer to AS 1940: The Storage and Handling of Flammable and Combustible Liquids.

### Section 8. Exposure controls / personal protection

**National exposure standards:**

Ingredient [Regulated substance]	form of exposure	TWA (ppm)	TWA (mg/m3)	Peak Limit. (ppm)	Peak Limit. (mg/m3)	STEL (ppm)	STEL (mg/m3)
ROSIN CORE SOLDER PYROLYSIS PRODUCTS (AS FORMALDEHYDE) 8050-09-7			0.1				
ETHYL ALCOHOL 64-17-5		1,000	1,880				

- Engineering controls:** Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.
- Eye protection:** Protective goggles
- Skin protection:** Wear suitable protective clothing.  
Suitable protective gloves.  
Butyl rubber gloves.  
Please note that in practice the working life of chemical resistant gloves may be considerably reduced as a result of many influencing factors (e.g. temperature). Suitable risk assessment should be carried out by the end user. If signs of wear and tear are noticed then the gloves should be replaced.  
Neoprene gloves.
- Respiratory protection:** If inhalation risk exists, wear a respirator or air supplied mask complying with the requirements of AS/NZS 1715 and AS/NZS 1716.
- General protection measures:** Use only in well-ventilated areas.

**Section 9. Physical and chemical properties**

- Appearance:** brown  
Liquid
- Specific gravity:** 1.1
- Flash point:** 23 °C (73.4 °F)
- Solubility in water:** Partially soluble

**Section 10. Stability and reactivity**

- Stability:** Stable under normal conditions of temperature and pressure.
- Conditions to avoid:** Heat, flames, sparks and other sources of ignition.
- Incompatible materials:** Reaction with oxidants.  
Acids.
- Hazardous decomposition products:** Thermal decomposition can lead to release of irritating gases and vapors.  
Carbon monoxide.  
Carbon dioxide.

**Section 11. Toxicological information**

**Health Effects:****Ingestion:**

Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Skin:**

May cause mild skin irritation.

Repeated exposure may cause skin dryness or cracking.

May cause skin sensitization.

**Eyes:**

May cause mild irritation

Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

**Inhalation:**

Vapors may cause headaches, nausea, dizziness and respiratory tract irritation.

**Acute toxicity:**

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
rosin 8050-09-7	LD50 LD50	2,800 mg/kg > 2,000 mg/kg	oral dermal		rat rat	not specified OECD Guideline 402 (Acute Dermal Toxicity)
Ethanol 64-17-5	LD50 LC50 LD50	10,470 mg/kg 124.7 mg/l > 2,000 mg/kg	oral inhalation dermal	4 h	rat rat rabbit	OECD Guideline 401 (Acute Oral Toxicity) OECD Guideline 403 (Acute Inhalation Toxicity) OECD Guideline 402 (Acute Dermal Toxicity)

**Skin corrosion/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
rosin 8050-09-7	not irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Ethanol 64-17-5	not irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

**Serious eye damage/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
rosin 8050-09-7	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Ethanol 64-17-5	irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

**Respiratory or skin sensitization:**

Hazardous components CAS-No.	Result	Test type	Species	Method
Ethanol 64-17-5	not sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
Ethanol 64-17-5	not sensitising	Mouse local lymphnode assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

**Germ cell mutagenicity:**

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
rosin 8050-09-7	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Ethanol 64-17-5	negative negative negative	bacterial reverse mutation assay (e.g Ames test) in vitro mammalian chromosome aberration test mammalian cell gene mutation assay	without with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Ethanol 64-17-5	negative				OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test)

**Section 12. Ecological information**

**General ecological information:** Do not empty into drains / surface water / ground water.

**Toxicity:**

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
rosin 8050-09-7	LC50	Toxicity > Water solubility	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
rosin 8050-09-7	EL50	Toxicity > Water solubility	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
rosin 8050-09-7	EL50	Toxicity > Water solubility	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga. Growth Inhibition Test)
rosin 8050-09-7	NOELR	Toxicity > Water solubility	Algae	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga. Growth Inhibition Test)
rosin 8050-09-7	EC20	Toxicity > Water solubility	Bacteria	3 h	activated sludge of a predominantly domestic sewage	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
Ethanol 64-17-5	LC50	14,200 mg/l	Fish	96 h	Pimephales promelas	EPA-660 (Methods for Acute Toxicity Tests with Fish, Macroinvertebrates and Amphibians)
Ethanol 64-17-5	NOEC	250 mg/l	Fish	120 h	Danio rerio	OECD Guideline 212 (Fish, Short-term Toxicity Test on Embryo and Sac-Fry Stages)
Ethanol 64-17-5	EC50	5,012 mg/l	Daphnia	48 h	Ceriodaphnia dubia	other guideline:
Ethanol 64-17-5	EC50	275 mg/l	Algae	72 h	Chlorella vulgaris	OECD Guideline 201 (Alga. Growth Inhibition Test)
Ethanol 64-17-5	EC10	11.5 mg/l	Algae	72 h	Chlorella vulgaris	OECD Guideline 201 (Alga. Growth Inhibition Test)
Ethanol 64-17-5	IC50	> 1,000 mg/l	Bacteria	3 h	activated sludge	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

**Persistence and degradability:**

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
rosin 8050-09-7	readily biodegradable	aerobic	71 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Ethanol 64-17-5	readily biodegradable	aerobic	80 - 85 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

**Bioaccumulative potential / Mobility in soil:**

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
rosin 8050-09-7	> 3 - 6.2					OECD Guideline 117 (Partition Coefficient (n-octanol/water), HPLC Method)
Ethanol 64-17-5	-0.35				24 °C	not specified

**Section 13. Disposal considerations**

**Waste disposal of product:** Dispose of waste and residues in accordance with local authority requirements.

**Disposal for uncleaned package:** Collection and delivery to recycling enterprise or other registered elimination institution.

**Section 14. Transport information**

**Road and Rail Transport:**

Dangerous Goods information: Classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

UN no.: 1866

Proper shipping name: RESIN SOLUTION

Class or division: 3

Packing group: II

Hazchem code: •3YE

Emergency information: Refer to the Australian Emergency Response Guide Book

**Marine transport IMDG:**

UN no.: 1866

Proper shipping name: RESIN SOLUTION

Class or division: 3

Packing group: II

EmS: F-E ,S-E

Seawater pollutant: -

**Air transport IATA:**

UN no.: 1866

Proper shipping name: Resin solution

Class or division: 3

Packing group: II

Packing instructions (passenger): 353

Packing instructions (cargo): 364

### Section 15. Regulatory information

<b>SUSMP Poisons Schedule</b>	None
<b>AIC:</b>	All components are listed or are exempt from listing on the Australian Inventory of Chemical Substances (AICIS).

### Section 16. Other information

<b>Abbreviations/acronyms:</b>	ADGC - Australian Dangerous Goods Code IMDG: International Maritime Dangerous Goods code IATA-DGR: International Air Transport Association – Dangerous Goods Regulations AIC - Australian Inventory of Industrial Chemicals (AIC) AICIS - Australian Industrial Chemicals Introduction Scheme
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