

SAFETY DATA SHEET

LOCTITE MR GC4 GASKET CEMENT NO4 AUTO KNOWN AS 50ML GASKET CEMENT NO4 AUTO

Infosafe No.: MTGWJ
ISSUED Date : 07/06/2021
ISSUED by: HENKEL AUSTRALIA PTY LTD

1. Identification

GHS Product Identifier

LOCTITE MR GC4 GASKET CEMENT NO4 AUTO KNOWN AS 50ML GASKET CEMENT NO4 AUTO

Company name

HENKEL AUSTRALIA PTY LTD

Address

135-141 Canterbury Road Kilsyth
VIC 3137 AUSTRALIA

Telephone/Fax Number

Tel: +61 (3) 9724 6444

Emergency phone number

24 HOUR EMERGENCY CONTACT NUMBER: 1800 032 379

Recommended use of the chemical and restrictions on use

Car-care product

2. Hazard Identification

GHS classification of the substance/mixture

Hazard Class: Flammable liquids

Hazard Category: Category 3

Hazard Class: Skin sensitizer

Hazard Category: Category 1

Signal Word (s)

WARNING

Hazard Statement (s)

H226 Flammable liquid and vapour.

H317 May cause an allergic skin reaction.

Pictogram (s)

Flame, Exclamation mark

**Precautionary statement – Prevention**

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.

UNCONTROLLED COPY

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.

Precautionary statement – Response

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.

Precautionary statement – Storage

P403+P235 Store in a well-ventilated place. Keep cool.

Precautionary statement – Disposal

P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations.

Other Information

Classification of the substance or mixture:

Hazardous according to the criteria of Safe Work Australia.

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).

3. Composition/information on ingredients

Ingredients

Name	CAS	Proportion
Rosin	8050-09-7	30-<60 %
Ethanol	64-17-5	30-<60 %
Non hazardous ingredients~		<=10 %

Preparation Description

General chemical description: Mixture

4. First-aid measures

Inhalation

Move to fresh air.

Keep warm and in a quiet place.

In case of adverse health effects seek medical advice.

Ingestion

Do not induce vomiting.

Have victim rinse mouth thoroughly with water.

Seek medical advice.

Skin

Rinse with running water and soap.

Seek medical advice.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

In case of adverse health effects seek medical advice.

First Aid Facilities

Eye wash

Normal washroom facilities

Indication of immediate medical attention and special treatment needed if necessary

Treat symptomatically.

5. Fire-fighting measures

Suitable Extinguishing Media

Foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media

High pressure waterjet

Hazards from Combustion Products

Thermal decomposition can lead to release of irritating gases and vapors.

Carbon monoxide.

Carbon dioxide.

Special Protective Equipment for fire fighters

Wear full protective clothing.

Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).

Specific Hazards Arising From The Chemical

WARNING FLAMMABLE!

Vapors may form explosive mixtures with air.

Hazchem Code

•3YE

Precautions in connection with Fire

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

6. Accidental release measures

Methods And Materials For Containment And Cleaning Up

Soak up with inert absorbent.

Use noncombustible absorbent material such as sand.

Dispose of contaminated material as waste according to Section 13.

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.

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, including any incompatibilities

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.

8. Exposure controls/personal protection

Occupational exposure limit values

National exposure standards:

UNCONTROLLED COPY

Ingredient [Regulated substance]: ROSIN CORE SOLDER PYROLYSIS PRODUCTS (AS FORMALDEHYDE) (8050-09-7)
TWA (mg/m3): 0.1

Ingredient [Regulated substance]: ETHYL ALCOHOL (64-17-5)
TWA (ppm): 1,000
TWA (mg/m3): 1,880

Appropriate engineering controls

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

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.

Eye Protection

Protective goggles

Hand Protection

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.

Body Protection

Wear suitable protective clothing.

Other Information

General protection measures: Use only in well-ventilated areas.

9. Physical and chemical properties

Properties	Description	Properties	Description
Form	Liquid	Appearance	Brown Liquid
Solubility in Water	Partially soluble	Specific Gravity	1.1
Flash Point	23°C (73.4°F)		

10. Stability and reactivity

Chemical 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.

11. Toxicological Information

Acute Toxicity - Oral

Hazardous components: Rosin

CAS-No.: 8050-09-7

Value type: LD50

Value: 2,800 mg/kg

Route of application: Oral

Species: Rat

Method: Not specified

Hazardous components: Ethanol

CAS-No.: 64-17-5

Value type: LD50

Value: 10,470 mg/kg

Route of application: Oral

Species: Rat

Method: OECD Guideline 401 (Acute Oral Toxicity)

Acute Toxicity - Inhalation

Hazardous components: Ethanol

CAS-No.: 64-17-5

Value type: LC50

Value: 124.7 mg/l

Route of application: Inhalation

Exposure time: 4 h

Species: Rat

Method: OECD Guideline 403 (Acute Inhalation Toxicity)

Acute Toxicity - Dermal

Hazardous components: Rosin

CAS-No.: 8050-09-7

Value type: LD50

Value: > 2,000 mg/kg

Route of application: Dermal

Species: Rat

Method: OECD Guideline 402 (Acute Dermal Toxicity)

Hazardous components: Ethanol

CAS-No.: 64-17-5

Value type: LD50

Value: > 2,000 mg/kg

Route of application: Dermal

Species: Rabbit

Method: OECD Guideline 402 (Acute Dermal Toxicity)

Ingestion

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

Inhalation

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

Skin

May cause mild skin irritation.

Repeated exposure may cause skin dryness or cracking.

May cause skin sensitization.

Eye

May cause mild irritation.

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

Skin corrosion/irritation

Hazardous components: Rosin

UNCONTROLLED COPY

CAS-No.: 8050-09-7
Result: Not irritating
Exposure time: 4 h
Species: Rabbit
Method: OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Hazardous components: Ethanol
CAS-No.: 64-17-5
Result: Not irritating
Species: Rabbit
Method: OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation

Hazardous components: Rosin
CAS-No.: 8050-09-7
Result: Not irritating
Species: Rabbit
Method: OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Hazardous components: Ethanol
CAS-No.: 64-17-5
Result: Irritating
Species: Rabbit
Method: OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Skin Sensitisation

Hazardous components: Ethanol
CAS-No.: 64-17-5
Result: Not sensitising
Test type: Guinea pig maximisation test
Species: Guinea pig
Method: OECD Guideline 406 (Skin Sensitisation)

Hazardous components: Ethanol
CAS-No.: 64-17-5
Result: Not sensitising
Test type: Mouse local lymphnode assay (LLNA)
Species: Mouse
Method: OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

Germ cell mutagenicity

Hazardous components: Rosin
CAS-No.: 8050-09-7
Result: Negative
Type of study / Route of administration: Bacterial reverse mutation assay (e.g Ames test)
Metabolic activation / Exposure time: With and without
Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Hazardous components: Ethanol
CAS-No.: 64-17-5
Result: Negative
Type of study / Route of administration: Bacterial reverse mutation assay (e.g Ames test)
Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Result: Negative
Type of study / Route of administration: In vitro mammalian chromosome aberration test
Metabolic activation / Exposure time: Without
Method: OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Result: Negative
Type of study / Route of administration: Mammalian cell gene mutation assay
Metabolic activation / Exposure time: With and without
Method: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)

UNCONTROLLED COPY

Hazardous components: Ethanol
CAS-No.: 64-17-5
Result: Negative
Method: OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test)

12. Ecological information

Ecological information

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

Persistence and degradability

Hazardous components: Rosin
CAS-No.: 8050-09-7
Result: Readily biodegradable
Route of application: Aerobic
Degradability: 71 %
Method: OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

Hazardous components: Ethanol
CAS-No.: 64-17-5
Result: Readily biodegradable
Route of application: Aerobic
Degradability: 80 - 85 %
Method: OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

Bioaccumulative Potential

Hazardous components: Rosin
CAS-No.: 8050-09-7
LogPow: > 3 - 6.2
Method: OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)

Hazardous components: Ethanol
CAS-No.: 64-17-5
LogPow: -0.35
Temperature: 24 °C
Method: Not specified

Acute Toxicity - Fish

Hazardous components: Rosin
CAS-No.: 8050-09-7
Value type: LC50
Value: Toxicity > Water solubility
Acute Toxicity Study: Fish
Exposure time: 96 h
Species: Pimephales promelas
Method: OECD Guideline 203 (Fish, Acute Toxicity Test)

Hazardous components: Ethanol
CAS-No.: 64-17-5
Value type: LC50
Value: 14,200 mg/l
Acute Toxicity Study: Fish
Exposure time: 96 h
Species: Pimephales promelas
Method: EPA-660 (Methods for Acute Toxicity Tests with Fish, Macroinvertebrates and Amphibians)

Hazardous components: Ethanol
CAS-No.: 64-17-5
Value type: NOEC
Value: 250 mg/l
Acute Toxicity Study: Fish

UNCONTROLLED COPY

Exposure time: 120 h
Species: Danio rerio
Method: OECD Guideline 212 (Fish, Short-term Toxicity Test on Embryo and Sac-Fry Stages)

Acute Toxicity - Daphnia

Hazardous components: Rosin
CAS-No.: 8050-09-7
Value type: EL50
Value: Toxicity > Water solubility
Acute Toxicity Study: Daphnia
Exposure time: 48 h
Species: Daphnia magna
Method: OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Hazardous components: Ethanol
CAS-No.: 64-17-5
Value type: EC50
Value: 5,012 mg/l
Acute Toxicity Study: Daphnia
Exposure time: 48 h
Species: Ceriodaphnia dubia
Method: Other guideline:

Acute Toxicity - Algae

Hazardous components: Rosin
CAS-No.: 8050-09-7
Value type: EL50
Value: Toxicity > Water solubility
Acute Toxicity Study: Algae
Exposure time: 72 h
Species: Pseudokirchneriella subcapitata
Method: OECD Guideline 201 (Alga, Growth Inhibition Test)

Hazardous components: Rosin
CAS-No.: 8050-09-7
Value type: NOELR
Value: Toxicity > Water solubility
Acute Toxicity Study: Algae
Exposure time: 72 h
Species: Pseudokirchneriella subcapitata
Method: OECD Guideline 201 (Alga, Growth Inhibition Test)

Hazardous components: Ethanol
CAS-No.: 64-17-5
Value type: EC50
Value: 275 mg/l
Acute Toxicity Study: Algae
Exposure time: 72 h
Species: Chlorella vulgaris
Method: OECD Guideline 201 (Alga, Growth Inhibition Test)

Hazardous components: Ethanol
CAS-No.: 64-17-5
Value type: EC10
Value: 11.5 mg/l
Acute Toxicity Study: Algae
Exposure time: 72 h
Species: Chlorella vulgaris
Method: OECD Guideline 201 (Alga, Growth Inhibition Test)

Acute Toxicity - Bacteria

Hazardous components: Rosin

UNCONTROLLED COPY

CAS-No.: 8050-09-7
Value type: EC20
Value: Toxicity > Water solubility
Acute Toxicity Study: Bacteria
Exposure time: 3 h
Species: Activated sludge of a predominantly domestic sewage
Method: OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

Hazardous components: Ethanol
CAS-No.: 64-17-5
Value type: IC50
Value: > 1,000 mg/l
Acute Toxicity Study: Bacteria
Exposure time: 3 h
Species: Activated sludge
Method: OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

13. Disposal considerations

Product Disposal

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

Container Disposal

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

14. Transport information

U.N. Number

1866

UN proper shipping name

RESIN SOLUTION

Transport hazard class(es)

3

Packing Group

II

Hazchem Code

•3YE

IERG Number

14

UN Number (Air Transport, ICAO)

1866

IATA/ICAO Proper Shipping Name

RESIN SOLUTION

IATA/ICAO Hazard Class

3

IATA/ICAO Packing Group

II

IMDG UN No

1866

IMDG Proper Shipping Name

RESIN SOLUTION

IMDG Hazard Class

3

UNCONTROLLED COPY

IMDG Pack. Group

II

Other 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

15. Regulatory information

Regulatory information

AIC: All components are listed or are exempt from listing on the Australian Inventory of Chemical Substances (AICIS).

Poisons Schedule

Not Scheduled

16. Other Information

User Codes

User Title Label	User Codes
Wis Numbers	05246607

Revisions Highlighted

Reason for issue: Reviewed SDS. Reissued with new date. involved chapters: 1 - 16

UNCONTROLLED COPY

Other Information

SDS No.: 430080

V001.3

Abbreviations/acronyms:

ADGC - Australian Dangerous Goods Code

IMDG: International Maritime Dangerous Goods code

IATA-DGR: International Air Transport Association - Dangerous Goods Regulations

AIIC - Australian Inventory of Industrial Chemicals (AIIC)

AICIS - Australian Industrial Chemicals Introduction Scheme

This SDS has been transcribed into Infosafe GHS format from an original, issued by the manufacturer on the date shown.
Any disclaimer by the manufacturer may not be included in the transcription.

END OF SDS

© Copyright Chemical Safety International Pty Ltd

Copyright in the source code of the HTML, PDF, XML, XFO and any other electronic files rendered by an Infosafe system for Infosafe SDS displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copyright in the layout, presentation and appearance of each Infosafe SDS displayed is the intellectual property of Chemical Safety International Pty Ltd.

The compilation of SDS's displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copying of any SDS displayed is permitted for personal use only and otherwise is not permitted. In particular the SDS's displayed cannot be copied for the purpose of sale or licence or for inclusion as part of a collection of SDS without the express written consent of Chemical Safety International Pty Ltd.