



Safety Data Sheet

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LOCTITE GO2 GEL

MSDS-No. : 273456

V001.2

Date of issue: 06.08.2015

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

Product name: LOCTITE GO2 GEL

Additional Product identification: 1872130, 2007648

Intended use: Contact adhesive

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
Serious eye irritation

Hazard Category

Category 4
Category 2A

Hazard pictogram:



Signal word:

Warning

Hazard statement(s):

H227 Combustible liquid.
H319 Causes serious eye irritation.

Precautionary Statement(s):

Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves, eye protection, and face protection.

Response:

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P370+P378 In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.

Storage:

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

Disposal:

P501 Dispose of contents/container in accordance with national regulation.

Classification of material Xi - Irritant

Risk phrases:

R36 Irritating to eyes.

Safety phrases:

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S46 If swallowed, seek medical advice immediately and show this container or label.

Dangerous Goods information:

Not classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

Signal word:

HAZARDOUS

Section 3. Composition / information on ingredients**Identity of ingredients:**

Chemical ingredients	CAS-No.	Proportion
Trimethoxyvinylsilane	2768-02-7	< 10 %
N-(3-(Trimethoxysilyl)propyl)ethylenediamine	1760-24-3	< 1 %
1,8-Diazabicyclo[5.4.0]undec-7-ene	6674-22-2	< 1 %
non hazardous ingredients~		60- 100 %

Section 4. First aid measures**Ingestion:**

Do not induce vomiting.
Have victim rinse mouth thoroughly with water.
Seek medical advice.

Skin:

Wash with soap and water.
If adverse health effects develop seek medical attention.

Eyes:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Seek medical attention from a specialist.

Inhalation:

Move to fresh air.
Keep warm and in a quiet place.
If adverse health effects develop seek medical attention.

First Aid facilities:

Eye wash and safety shower
Normal washroom facilities

Medical attention and special treatment:

Treat symptomatically.

Section 5. Fire fighting measures**Suitable extinguishing media:**

Foam, dry chemical or carbon dioxide.

Decomposition products in case of fire::	Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide. Carbon dioxide. Oxides of nitrogen. Silicone compounds.
Special protective equipment for fire-fighters:	Wear protective equipment. Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).
Additional fire fighting advice:	Collect contaminated fire fighting water separately. It must not enter drains.

Section 6. Accidental release measures

Personal precautions:	Danger of slipping on spilled product. Ensure adequate ventilation. Avoid skin and eye contact. Wear impervious gloves and chemical splash goggles.
Environmental precautions:	Do not empty into drains / surface water / ground water.
Clean-up methods:	Collect spilled material with an inert absorbent such as sand or vermiculite. Place in properly labeled closed container. Dispose of contaminated material as waste according to Section 13.

Section 7. Handling and storage

Precautions for safe handling:	Gloves and safety glasses should be worn Avoid skin and eye contact. Ensure that workrooms are adequately ventilated. Avoid breathing vapors or mists of this product. Do not handle or store near an open flame, heat or other sources of ignition.
Conditions for safe storage:	Do not store or use near heat, spark, open flame or other sources of ignition. Keep container tightly sealed. Store in a cool, dry, well-ventilated area. Protect from direct sunlight. Refer to AS 1940: The Storage and Handling of Flammable and Combustible Liquids.

Section 8. Exposure controls / personal protection

National exposure standards:

None

Engineering controls:	Ensure good ventilation/extraction.
Eye protection:	Goggles which can be tightly sealed.
Skin protection:	Use of protective coveralls and long sleeves is recommended. Suitable protective 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.
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.

Section 9. Physical and chemical properties

Appearance:	colourless, clear high viscosity, liquid
Odor:	odorless
pH:	Not applicable
Specific gravity:	1.1740
Flash point: (no method)	74 °C (165.2 °F)
Lower explosive limit:	1.4 %(V)
Upper explosive limit:	50 %(V)
Vapor pressure:	Not available.
Density:	1.10 g/cm ³
Solubility in water:	Insoluble (20 °C)
VOC content:	14.46 % 131.6 g/l

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. Humidity Do not freeze.
Incompatible materials:	Moisture. Strong oxidizing agents.
Hazardous decomposition products:	Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide. Carbon dioxide. Oxides of nitrogen. Silicone compounds. Methanol is liberated slowly upon exposure to moisture.
Hazardous polymerization:	Will not occur.

Section 11. Toxicological information

Health Effects:**Ingestion:**

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

Skin:

May cause mild skin irritation.

Eyes:

Repeated exposure may cause skin dryness or cracking.

Causes serious eye irritation.

Inhalation:

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

Inhalation of mist or spray may cause irritation of the respiratory tract and nasal passages.

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Trimethoxyvinylsilane 2768-02-7	LD50 LC50 LD50	7,120 mg/kg 16.8 mg/l 3,540 mg/kg	oral inhalation dermal	4 h	rat rat rabbit	OECD Guideline 401 (Acute Oral Toxicity) OECD Guideline 403 (Acute Inhalation Toxicity) EPA OPPTS 870.1100 (Acute Oral Toxicity)
N-(3-(Trimethoxysilyl)propyl)ethylenediamine 1760-24-3	LD50 LD50	2,295 mg/kg > 2,009 mg/kg	oral dermal		rat rat	

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
N-(3-(Trimethoxysilyl)propyl)ethylenediamine 1760-24-3	highly irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
N-(3-(Trimethoxysilyl)propyl)ethylenediamine 1760-24-3	sensitising	Mouse local lymphnode assay (LLNA)	guinea pig	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

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
Trimethoxyvinylsilane 2768-02-7	LC50	191 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Trimethoxyvinylsilane 2768-02-7	EC50	> 100 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Trimethoxyvinylsilane 2768-02-7	EC50	> 100 mg/l	Algae	72 h		OECD Guideline 201 (Alga, Growth Inhibition Test)
N-(3- (Trimethoxysilyl)propyl)ethyl enediamine 1760-24-3	LC50	168 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
N-(3- (Trimethoxysilyl)propyl)ethyl enediamine 1760-24-3	EC50	87.4 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
N-(3- (Trimethoxysilyl)propyl)ethyl enediamine 1760-24-3	EC50	8.8 mg/l	Algae	96 h	Pseudokirchnerella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
N-(3- (Trimethoxysilyl)propyl)ethyl enediamine 1760-24-3	NOEC	3.1 mg/l	Algae	96 h	Pseudokirchnerella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
1,8-Diazabicyclo[5.4.0]undec- 7-ene 6674-22-2	LC50	> 100 - 220 mg/l	Fish	96 h	Leuciscus idus	OECD Guideline 203 (Fish, Acute Toxicity Test)
1,8-Diazabicyclo[5.4.0]undec- 7-ene 6674-22-2	EC50	50 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
N-(3- (Trimethoxysilyl)propyl)ethyl enediamine 1760-24-3		aerobic	50 %	OECD Guideline 301 A (new version) (Ready Biodegradability: DOC Die Away Test)
1,8-Diazabicyclo[5.4.0]undec- 7-ene 6674-22-2		aerobic	< 20 %	OECD Guideline 301 A (new version) (Ready Biodegradability: DOC Die Away Test)

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
N-(3- (Trimethoxysilyl)propyl)ethyl enediamine 1760-24-3	-1.67					

Section 13. Disposal considerations

Waste disposal of product: Dispose of as hazardous waste in compliance with local and national regulations. Do not allow product to enter sewer or waterways.

Disposal for uncleaned package: Dispose of as hazardous waste in compliance with local and national regulations.

Section 14. Transport information

Road and Rail Transport:

Dangerous Goods information: Not classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

Marine transport IMDG:

Not dangerous goods

Air transport IATA:

Not dangerous goods

Section 15. Regulatory information

SUSMP Poisons Schedule None

Section 16. Other information

Abbreviations/acronyms: ADGC - Australian Dangerous Goods Code
IMDG: International Maritime Dangerous Goods code
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations

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Disclaimer:

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