Safety Data Sheet

Loctite Super Glue-3 Glass

MSDS-No. : 305363
V001.0
Date of issue: 31.08.2015

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

Product name: Loctite Super Glue-3 Glass

Intended use: Super glue

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	Hazard Category
Flammable liquids	Category 4
Skin sensitizer	Category 1
Acute hazards to the aquatic environment	Category 3

Hazard pictogram:

Signal word: Warning

Hazard statement(s):
H227 Combustible liquid.
H317 May cause an allergic skin reaction.
H402 Harmful to aquatic life.

Precautionary Statement(s):

Prevention:
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves, eye protection, and face protection.

Response:
P302+P352 IF ON SKIN: Wash with plenty of water.
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 foam, dry chemical or carbon dioxide to extinguish.

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

Classification of material Xi - Irritant

Risk phrases:
R43 May cause sensitisation by skin contact.

Safety phrases:
S24/25 Avoid contact with skin and eyes.
S28 After contact with skin, wash immediately with plenty of water and soap.
S46 If swallowed, seek medical advice immediately and show this container or label.
S37 Wear suitable gloves.

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

General chemical description: Mixture
Cyanoacrylate

Type of preparation: Super glue

Identity of ingredients:

Chemical ingredients	CAS-No.	Proportion
Triethyl O-acetylcitrate	77-89-4	30- 60 %
Bis(2-hydroxy-3-tert-butyl-5-methylphenyl)methane	119-47-1	< 1 %
non hazardous ingredients~		60- 100 %

Section 4. First aid measures

Ingestion:	Ensure that breathing passages are not obstructed. The product will polymerise immediately in the mouth making it almost impossible to swallow. Saliva will slowly separate the solidified product from the mouth (several hours).
Skin:	Do not pull bonded skin apart. It may be gently peeled apart using a blunt object such as a spoon, preferably after soaking in warm soapy water. Cyanoacrylates give off heat on solidification. In rare cases a large drop will generate enough heat to cause a burn. Burns should be treated normally after the adhesive has been removed from the skin. If lips are accidentally stuck together apply warm water to the lips and encourage maximum wetting and pressure from saliva inside the mouth. Peel or roll lips apart. Do not try to pull the lips apart with direct opposing action.
Eyes:	If the eye is bonded closed, release eyelashes with warm water by covering with wet pad. Keep eye covered until debonding is complete, usually within 1-3 days. Cyanoacrylate will bond to eye protein and will cause periods of weeping which will help to debond the adhesive. Do not force eye open. Medical advice should be sought in case solid particles of cyanoacrylate trapped behind the eyelid cause any abrasive damage.
Inhalation:	Move to fresh air, consult doctor if complaint persists.
First Aid facilities:	Eye wash Normal washroom facilities
Medical attention and special treatment:	Treat symptomatically.

Section 5. Fire fighting measures

Suitable extinguishing media:	Carbon dioxide, foam, powder
Improper extinguishing media:	High pressure waterjet
Particular danger in case of fire::	In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO2) can be released.
Special protective equipment for fire-fighters:	Wear self-contained breathing apparatus. Wear protective equipment.

Section 6. Accidental release measures

Personal precautions:	Wear protective equipment. Avoid contact with skin and eyes. Ensure adequate ventilation. Danger of slipping on spilled product.
Environmental precautions:	Do not empty into drains / surface water / ground water.
Clean-up methods:	Dispose of contaminated material as waste according to Section 13. Remove with liquid-absorbing material (sand, peat, sawdust).

Section 7. Handling and storage

Precautions for safe handling:	Avoid skin and eye contact. Ensure that workrooms are adequately ventilated. Open and handle container with care.

Conditions for safe storage: Store in a cool, dry, well-ventilated area.
For optimum shelf life store in original containers under refrigerated conditions at 2 - 8°C (35.6 - 46.4 °F)
Keep away from heat and direct sunlight.
Keep container tightly sealed.
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: Use only with adequate ventilation.

Eye protection: Protective goggles

Skin protection: Suitable protective clothing
Recommended are gloves made from Nitril rubber (Material thickness >0,1 mm, Perforation time < 30s).Gloves should be replaced after each short time contact or contamination. Available at laboratory specialized trade or at pharmacies / chemist's shops.

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 to yellowish liquidcolourless to yellowish liquid
Odor: irritatingirritating
Boiling point: > 100 °C (> 212 °F)
Flash point: 80 - 93 °C (176 - 199.4 °F)
(Tagliabue closed cup)
Vapor pressure: < 0.6 mbar
(; 25 °C (77 °F))
Vapor density: Approximate 3

Density: 1.1 g/cm31.1 g/cm3
Solubility in water: Polymerises in presence of water.

Section 10. Stability and reactivity

Stability: Stable under recommended storage conditions.

Conditions to avoid: None if used for intended purpose.

Incompatible materials: Rapid exothermic polymerization will occur in the presence of water, amines, alkalis and alcohols.

Hazardous decomposition products: None known.

Section 11. Toxicological information

Health Effects:

Ingestion: Not expected to be harmful by ingestion. Rapidly polymerizes (solidifies) and bonds in mouth. It is almost impossible to swallow.

Skin: Bonds skin in seconds. May cause skin irritation. Cyanoacrylates have been reported to cause allergic reaction but due to rapid polymerization at the skin surface, an allergic response is rare. Cyanoacrylates generate heat on solidification. In rare circumstances a large drop will burn the skin. Cured adhesive does not present a health hazard even if bonded to the skin.
May cause sensitization by skin contact.

Eyes: Irritating to eyes. Causes excessive tearing. Eyelids may bond.

Inhalation: Exposure to vapors above the established exposure limit results in respiratory irritation, which may lead to difficulty in breathing and tightness in the chest.

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Bis(2-hydroxy-3-tert-butyl-5-methylphenyl)methane 119-47-1	LD50	> 10,000 mg/kg	oral		rat	

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Bis(2-hydroxy-3-tert-butyl-5-methylphenyl)methane 119-47-1	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Section 12. Ecological information

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

Ecotoxicity: Harmful to aquatic life.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Bis(2-hydroxy-3-tert-butyl-5-methylphenyl)methane 119-47-1	EC 50	> 10,000 mg/l	Bacteria	3 h		OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method

Bis(2-hydroxy-3-tert-butyl-5-methylphenyl)methane 119-47-1	under test conditions no biodegradation observed		0 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Triethyl O-acetylcitrate 77-89-4	1.34					
Bis(2-hydroxy-3-tert-butyl-5-methylphenyl)methane 119-47-1	6.24					

Section 13. Disposal considerations

Waste disposal of product: Dispose of in accordance with local and national regulations.
Can be incinerated, when in compliance with local regulations

Disposal for uncleaned package: Dispose of in accordance 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:

UN no.:	3334
Proper shipping name:	Aviation regulated liquid, n.o.s. (Cyanoacrylate ester)
Class or division:	9
Packing group:	III
Packing instructions (passenger)	964
Packing instructions (cargo)	964
Additional Information:	Primary packs containing less than 500ml are unregulated by this mode of transport and may be shipped unrestricted.

Section 15. Regulatory information

SUSMP Poisons Schedule None

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

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

Reason for issue:

First issue. involved chapters: 1 - 16

Disclaimer:

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