



Safety Data Sheet

LOCTITE SF 770

Page 1 of 7

SDS No. : 153555

V001.5

Date of issue: 29.07.2021

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

Product name: LOCTITE SF 770

Intended use: primer
Primer

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:

<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Target organ</u>
Flammable liquids	Category 2	
Skin irritation	Category 2	
Target Organ Systemic Toxicant - Single exposure	Category 3	Central nervous system
Aspiration hazard	Category 1	
Acute hazards to the aquatic environment	Category 1	
Chronic hazards to the aquatic environment	Category 1	

Hazard pictogram:



Signal word: Danger

Hazard statement(s):	H225 Highly flammable liquid and vapor. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H336 May cause drowsiness or dizziness. H410 Very toxic to aquatic life with long lasting effects.
Precautionary Statement(s):	
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. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash hands thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P280 Wear protective gloves, eye protection, and face protection.
Response:	P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P304+P340+P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. P331 Do NOT induce vomiting. P332+P313 If skin irritation occurs: Get medical advice/attention. P362 Take off contaminated clothing. P370+P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. P391 Collect spillage.
Storage:	P403+P233 Store in a well-ventilated place. Keep container tightly closed. P403+P235 Store in a well-ventilated place. Keep cool. P405 Store locked up.
Disposal:	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).

Class or division:

3

Section 3. Composition / information on ingredients

General chemical description: Mixture
Type of preparation: Primer, containing solvents

Identity of ingredients:

Chemical ingredients	CAS-No.	Proportion
n-Heptane	142-82-5	60- <= 100 %

Section 4. First aid measures

Ingestion:	Rinse mouth, do not induce vomiting, consult a doctor.
Skin:	Rinse with running water and soap. Seek medical advice.
Eyes:	Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.
Inhalation:	Move to fresh air. Seek medical advice.

Section 5. Fire fighting measures

Suitable extinguishing media:	Foam, extinguishing powder, carbon dioxide.
Improper extinguishing media:	High pressure waterjet
Combustion behaviour:	Solvent containing flammable product. In case of fire toxic gases are released.
Decomposition products in case of fire:	Oxides of carbon. Oxides of hydrocarbons.
Particular danger in case of fire:	Do not expose to direct heat. Vapors are heavier than air and may travel along floor to an ignition source.
Special protective equipment for fire-fighters:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Additional fire fighting advice:	In case of fire, keep containers cool with water spray.
Hazchem code:	3YE

Section 6. Accidental release measures

Personal precautions:	Ensure adequate ventilation. See advice in section 8
Environmental precautions:	Do not let product enter drains.
Clean-up methods:	Eliminate all sources of ignition or flammables that may come into contact with a spill of this material. Absorb the spilled material with an inert absorbent (nonflammable) material. Store in a partly filled, closed container until disposal. Dispose of contaminated material as waste according to Section 13.

Section 7. Handling and storage

Precautions for safe handling:	Keep away from heat, spark and flame. Ensure good ventilation/suction at the workplace. Wear suitable protective clothing, safety glasses and gloves. See advice in section 8
Conditions for safe storage:	Store in a cool, dry place. Do not store near sources of heat or ignition, or reactive materials.

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)
HEPTANE (N-HEPTANE) 142-82-5		400	1,640				
HEPTANE (N-HEPTANE) 142-82-5						500	2,050

Engineering controls:	Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.
Eye protection:	Wear protective glasses.
Skin protection:	Wear suitable protective clothing. The use of chemical resistant gloves such as Nitrile is recommended. Solvent resistant gloves such as Viton, poly (vinyl alcohol), or equivalent is recommended. 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:	Use only in well-ventilated areas. 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:	Transparent, colourless, Clear
Odor:	Liquid
Specific gravity:	Aliphatic
Boiling point:	0.68
Flash point:	96 - 98 °C (204.8 - 208.4 °F)
Vapor pressure:	-4 °C (24.8 °F)
Vapor density:	35 mm hg
Density:	3.4
VOC content:	(Air = 1)
(2010/75/EC)	0.715 g/cm3
	100 %

Section 10. Stability and reactivity

Stability:	Stable under recommended storage conditions.
Conditions to avoid:	Heat, flames, sparks and other sources of ignition.
Incompatible materials:	Acids. Oxidizing agents.
Hazardous decomposition products:	carbon oxides.

Section 11. Toxicological information

Health Effects:**Ingestion:**

Aspirated material can enter the lungs and result in pneumonitis.

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

Skin:

Solvent action can dry and defat the skin, causing the skin to crack, leading to dermatitis.

Causes skin irritation.

Eyes:

Liquid or vapors may irritate the eyes.

Inhalation:

Excessive inhalation of this material causes headache, dizziness, nausea and incoordination.

May cause respiratory tract irritation.

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
n-Heptane 142-82-5	LD50 LC50 LD50	> 5,000 mg/kg > 29.29 mg/l > 2,000 mg/kg	oral inhalation dermal	4 h	rat rat rabbit	equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity) equivalent or similar to OECD Guideline 403 (Acute Inhalation Toxicity) equivalent or similar to OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
n-Heptane 142-82-5	irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
n-Heptane 142-82-5	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
n-Heptane 142-82-5	not sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
n-Heptane 142-82-5	negative negative	bacterial reverse mutation assay (e.g Ames test) in vitro mammalian chromosome aberration test	with and without not applicable		OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)

Repeated dose toxicity:

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
n-Heptane 142-82-5		inhalation: vapour	16 weeks 12 hours/day, 7 days/week	rat	

Section 12. Ecological information

General ecological information:

Toxic to aquatic organisms, May cause long-term adverse effects in the aquatic environment., Do not empty into drains / surface water / ground water.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
n-Heptane 142-82-5	LC50	> 220 - 270 mg/l	Fish	96 h	Leuciscus idus	OECD Guideline 203 (Fish, Acute Toxicity Test) other guideline:
n-Heptane 142-82-5	EC50	1.5 mg/l	Daphnia	48 h	Daphnia magna	

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
n-Heptane 142-82-5	readily biodegradable	aerobic	70 %	other guideline:

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
n-Heptane 142-82-5		552		calculation		QSAR (Quantitative Structure Activity Relationship)
n-Heptane 142-82-5	4.66					OECD Guideline 107 (Partition Coefficient (n- octanol / water), Shake Flask Method)

Section 13. Disposal considerations**Waste disposal of product:**

Dispose of in accordance with local and national regulations.
Incineration under controlled conditions is recommended.

Disposal for uncleaned package:

Dispose of in accordance with local and national regulations.

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.:

1206

Proper shipping name:

HEPTANES (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.:

1206

Proper shipping name:

HEPTANES (solution)

Class or division:

3

Packing group:

II

EmS:

F-E ,S-D

Seawater pollutant:

Marine pollutant

Air transport IATA:

UN no.:	1206
Proper shipping name:	Heptanes (solution)
Class or division:	3
Packing group:	II
Packing instructions (passenger)	353
Packing instructions (cargo)	364

Section 15. Regulatory information

SUSMP Poisons Schedule 5

Section 16. Other information**Abbreviations/acronyms:**

ADGC - Australian Dangerous Goods Code
STEL - Short term exposure limit
TWA - Time weighted average
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

Reason for issue:

Reviewed SDS. Reissued with new date. involved chapters: 1,2,4,11,13,16

Date of previous issue:

12.07.2016

Disclaimer:

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