



Safety Data Sheet

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LOCTITE SF 7387 ACTIVATOR known as Loctite 7387 activator
100ml EN

SDS No. : 153655
V001.4
Date of issue: 24.07.2018

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

Product name: LOCTITE SF 7387 ACTIVATOR known as Loctite 7387 activator 100ml EN

Intended use: activator

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>Route of Exposure</u>	<u>Target organ</u>
Flammable liquids	Category 2		
Acute toxicity	Category 4	Oral	
Skin irritation	Category 2		
Serious eye irritation	Category 2A		
Target Organ Systemic Toxicant - Single exposure	Category 3		Central Nervous System
Aspiration hazard	Category 1		
Acute hazards to the aquatic environment	Category 2		
Chronic hazards to the aquatic environment	Category 2		

Hazard pictogram:



Signal word: Danger

Hazard statement(s):	H225 Highly flammable liquid and vapor. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H411 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. P270 Do not eat, drink or smoke when using this product. 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/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. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P331 Do NOT induce vomiting. P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: 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).

Section 3. Composition / information on ingredients

General chemical description: Mixture
Type of preparation: Solvent based activator.

Identity of ingredients:

Chemical ingredients	CAS-No.	Proportion
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	64742-49-0	30- < 60 %
3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridine	34562-31-7	10- < 30 %
Propan-2-ol	67-63-0	10- < 20 %
Cyclohexane	110-82-7	< 10 %
n-Hexane	110-54-3	< 3 %

Section 4. First aid measures

Ingestion:	Rinse out mouth. Do not drink. Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get medical attention.
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. If adverse health effects develop seek medical attention.

Section 5. Fire fighting measures

Suitable extinguishing media:	Foam, extinguishing powder, carbon dioxide.
Improper extinguishing media:	Water jet (solvent-containing product).
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 nitrogen, irritating organic vapors.
Particular danger in case of fire::	Vapours may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back. In case of fire, keep containers cool with water spray.
Special protective equipment for fire-fighters:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Hazchem code:	•3YE

Section 6. Accidental release measures

Personal precautions:	Remove sources of ignition. Ensure adequate ventilation.
Environmental precautions:	Do not let product enter drains.
Clean-up methods:	Wipe up using absorbent 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 sources of ignition - no smoking.
Vapours should be extracted to avoid inhalation.
Use only in well-ventilated areas.

Conditions for safe storage: Store in a cool, dry place.
Do not store near sources of heat or ignition, or reactive materials.
Store below 100°F (38°C).

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)
ISOPROPYL ALCOHOL 67-63-0		400	983	-	-	-	-
ISOPROPYL ALCOHOL 67-63-0		-	-	-	-	500	1,230
CYCLOHEXANE 110-82-7		100	350	-	-	-	-
CYCLOHEXANE 110-82-7		-	-	-	-	300	1,050
HEXANE (N-HEXANE) 110-54-3		20	72	-	-	-	-

Engineering controls: Ensure adequate ventilation, especially in confined areas.

Eye protection: Wear safety glasses with side shields.

Skin protection: Suitable protective clothing

Solvent resistant gloves such as Viton, poly (vinylalcohol), or equivalent is recommended.

Respiratory protection: Do not inhale vapors and fumes.
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: Amber liquid

Odor: Aliphatic

Specific gravity: 0.78

Boiling point: 80 °C (176 °F)

Flash point: Approximately -4 °C (24.8 °F)

Vapor pressure: 35 mm hg

Vapor density: Heavier than air

Density: 0.78 g/cm3

VOC content: 19.6 %
(2010/75/EC)

Section 10. Stability and reactivity

Stability:	Stable under recommended storage conditions.
Conditions to avoid:	Heat, flames, sparks and other sources of ignition.
Incompatible materials:	Strong oxidizing agents. Strong acids.
Hazardous decomposition products:	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Section 11. Toxicological information

Health Effects:	
Ingestion:	Harmful if swallowed. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Small amounts of this product, if aspirated into the lungs, may cause mild to severe pulmonary injury.
Skin:	Causes skin irritation. Solvent action can dry and defat the skin, causing the skin to crack, leading to dermatitis.
Eyes:	Vapors may irritate eyes. Contact with eyes will cause irritation.
Inhalation:	May cause respiratory tract irritation. Excessive inhalation of this material causes headache, dizziness, nausea and incoordination.

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics 64742-49-0	LD50	> 5,840 mg/kg	oral	4 h	rat	OECD Guideline 401 (Acute Oral Toxicity) OECD Guideline 403 (Acute Inhalation Toxicity) OECD Guideline 402 (Acute Dermal Toxicity)
	LC50	> 23.3 mg/l	inhalation		rat	
	LD50	> 2,920 mg/kg	dermal		rat	
Propan-2-ol 67-63-0	LD50	5,840 mg/kg	oral	4 h	rat	OECD Guideline 401 (Acute Oral Toxicity) not specified OECD Guideline 402 (Acute Dermal Toxicity)
	LC50	72.6 mg/l	inhalation		rat	
	LD50	12,870 mg/kg	dermal		rabbit	
Cyclohexane 110-82-7	LD50	> 5,000 mg/kg	oral	4 h	rat	OECD Guideline 401 (Acute Oral Toxicity) OECD Guideline 403 (Acute Inhalation Toxicity) OECD Guideline 402 (Acute Dermal Toxicity)
	LC50	> 32.880 mg/l	inhalation		rat	
	LD50	> 2,000 mg/kg	dermal		rabbit	
n-Hexane 110-54-3	LD50	16,000 mg/kg	oral	24 h	rat	OECD Guideline 401 (Acute Oral Toxicity) OECD Guideline 403 (Acute Inhalation Toxicity) not specified
	LC50	> 2,000 mg/kg	inhalation		rat	
	LD50		dermal		rabbit	

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Hydrocarbons, C7, n- alkanes, isoalkanes, cyclics 64742-49-0	irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
3,5-Diethyl-1,2-dihydro- 1-phenyl-2- propylpyridine 34562-31-7	irritating			Expert judgement
Propan-2-ol 67-63-0	slightly irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Cyclohexane 110-82-7	not irritating	4 h	rabbit	EU Method B.4 (Acute Toxicity: Dermal Irritation/ Corrosion)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Hydrocarbons, C7, n- alkanes, isoalkanes, cyclics 64742-49-0	not irritating		rabbit	other guideline:
3,5-Diethyl-1,2-dihydro- 1-phenyl-2- propylpyridine 34562-31-7	irritating			Expert judgement
Propan-2-ol 67-63-0	Category II		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Cyclohexane 110-82-7	slightly irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
n-Hexane 110-54-3	not irritating		rabbit	not specified

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Propan-2-ol 67-63-0	not sensitising	Buehler test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
Cyclohexane 110-82-7	not sensitising	Buehler test	guinea pig	EU Method B.6 (Skin Sensitisation)
n-Hexane 110-54-3	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
Propan-2-ol 67-63-0	negative negative	bacterial reverse mutation assay (e.g Ames test) mammalian cell gene mutation assay	with and without with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Propan-2-ol 67-63-0	negative	intraperitoneal		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Cyclohexane 110-82-7	negative negative	bacterial reverse mutation assay (e.g Ames test) mammalian cell gene mutation assay	with and without with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Cyclohexane 110-82-7	negative	inhalation: vapour		rat	OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test)
n-Hexane 110-54-3	negative negative	bacterial reverse mutation assay (e.g Ames test) mammalian cell gene mutation assay	with and without with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
n-Hexane 110-54-3	negative negative	inhalation: vapour inhalation: vapour		mouse rat	not specified not specified

Repeated dose toxicity:

Hazardous components CAS-No.	Result	Route of application	Exposure time/ Frequency of treatment	Species	Method
Propan-2-ol 67-63-0		inhalation: vapour	at least 104 w6 h/d, 5 d/w	rat	not specified
Cyclohexane 110-82-7	NOAEL=500 ppm	inhalation: vapour	13-14 w6 h/d, 5 d/w	mouse	EPA OPPTS 870.3465 (90- Day Inhalation Toxicity)
n-Hexane 110-54-3	NOAEL=568 mg/kg	oral: gavage	90 d5 d/w	rat	not specified
n-Hexane 110-54-3	NOAEL=500 ppm	inhalation: vapour	90 d6 h/d; 5 d/w	mouse	OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day)

Section 12. Ecological information

General ecological information:

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

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics 64742-49-0	EC50	3 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Propan-2-ol 67-63-0	LC50	> 9,640 - 10,000 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Propan-2-ol 67-63-0	EC50	> 1,000 mg/l	Algae	96 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga. Growth Inhibition Test)
Propan-2-ol 67-63-0	NOEC	1,000 mg/l	Algae	96 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga. Growth Inhibition Test)
Propan-2-ol 67-63-0	EC50	> 1,000 mg/l	Bacteria	3 h	activated sludge	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
Cyclohexane 110-82-7	LC50	4.53 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Cyclohexane 110-82-7	EC50	0.9 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Cyclohexane 110-82-7	EC50	9.317 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga. Growth Inhibition Test)
Cyclohexane 110-82-7	NOEC	0.94 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga. Growth Inhibition Test)
Cyclohexane 110-82-7	IC50	29 mg/l	Bacteria	15 h	other:	not specified
n-Hexane 110-54-3	LC50	> 1 - 10 mg/l	Fish			OECD Guideline 203 (Fish, Acute Toxicity Test)
n-Hexane 110-54-3	EC50	2.1 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
n-Hexane 110-54-3	EC50	> 1 - 10 mg/l	Algae			OECD Guideline 201 (Alga. Growth Inhibition Test)
n-Hexane 110-54-3	EC 50	> 1 - 10 mg/l	Bacteria			OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
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Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics 64742-49-0	readily biodegradable	aerobic	98 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
Propan-2-ol 67-63-0	readily biodegradable	aerobic	70 - 84 %	EU Method C.4-E (Determination of the "Ready" Biodegradability Closed Bottle Test)
Cyclohexane 110-82-7	readily biodegradable	aerobic	77 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
n-Hexane 110-54-3	readily biodegradable, but failing 10-day window	aerobic	> 60 %	not specified

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Propan-2-ol 67-63-0	0.05					OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
Cyclohexane 110-82-7		167		Pimephales promelas		QSAR (Quantitative Structure Activity Relationship)
Cyclohexane 110-82-7	3.44				25 °C	QSAR (Quantitative Structure Activity Relationship)
n-Hexane 110-54-3	4					not specified

Section 13. Disposal considerations

- Waste disposal of product:** Dispose of as hazardous waste in compliance with local and national regulations. Waste incineration or special disposal with the approval of the responsible local authority.
- Disposal for uncleaned package:** Packaging that cannot be cleaned are to be disposed of in the same manner as the product.

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.: 1993

Proper shipping name: FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics, Isopropanol)

Class or division: 3

Packing group: II

Hazchem code: •3YE

Marine transport IMDG:

UN no.: 1993

Proper shipping name: FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics, Isopropanol, Cyclohexane)

Class or division: 3

Packing group: II

EmS: F-E ,S-E

Seawater pollutant: Marine pollutant

Air transport IATA:

UN no.:	1993
Proper shipping name:	Flammable liquid, n.o.s. (Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics, Isopropanol)
Class or division:	3
Packing group:	II
Packing instructions (passenger)	353
Packing instructions (cargo)	364

Further information for transport:

The shipping classifications in this sections are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.

Section 15. Regulatory information

SUSMP Poisons Schedule

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AICS:

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

Section 16. Other information

Abbreviations/acronyms:

GHS: Globally Harmonized System
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IMDG: International Maritime Dangerous Goods code
STEL - Short term exposure limit
TWA - Time weighted average

Reason for issue:

Reviewed SDS. Reissued with new date. involved chapters: 2,3,11,13,16

Date of previous issue:

18.07.2016

Disclaimer:

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