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

Product name: LOCTITE SF 7386

Other means of identification: 7386 Activator
Product code: IDH798687
Recommended use of the chemical and restrictions on use

Intended use: Activator
Manufacturer/Importer/Distributor Representative Company

Henkel Singapore Pte Ltd
Science Park Drive 1B
Units 09-31 to 09-35
119315 Singapore

Singapore

Phone: +65 (6266) 0100
Fax-no.: +65 (6266) 1161

E-mail address of person responsible for Safety Data Sheet: ap-ua-psra.sea@henkel.com

Emergency Telephone for Chemical Accidents: FOR EMERGENCIES ONLY (Spill, major leak, Fire, Exposure, or Accident). Call: +65 6424 7016

Section 2. Hazards identification

GHS Classification:

Hazard Class	Hazard Category	Route of Exposure	Target organ
Flammable liquids	Category 2		
Acute toxicity	Category 4	Oral	
Skin corrosion/irritation	Category 2		
Serious eye damage/eye irritation	Category 2		
Specific target organ toxicity - 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		

GHS label elements:

Hazard pictogram:



Signal word: Danger

Hazard statement:
H225 Highly flammable liquid and vapour.
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.
H410 Very toxic to aquatic life with long lasting effects.

Precaution:

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.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/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.
P363 Wash contaminated clothing before reuse.
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.

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

Section 3. Composition / information on ingredients

Substance or Mixture:
Mixture

Declaration of hazardous chemical:

Hazard component CAS-No.	Content	GHS Classification
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics; < 0,1% benzene 64742-49-0	30- 60 %	Flammable liquids 2 H225 Skin irritation 2 H315 Target Organ Systemic Toxicant - Single exposure 3 H336 Aspiration hazard 1 H304 Chronic hazards to the aquatic environment 2 H411
3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridine 34562-31-7	30- 60 %	Acute toxicity 4; Oral H302 Skin irritation 2 H315 Serious eye irritation 2B H320 Acute hazards to the aquatic environment 1 H400 Chronic hazards to the aquatic environment 1 H410
Propan-2-ol 67-63-0	10- 30 %	Flammable liquids 2 H225 Serious eye irritation 2 H319 Target Organ Systemic Toxicant - Single exposure 3 H336

Section 4. First aid measures

Inhalation: Move to fresh air.
Seek medical advice.

Skin contact: Rinse with running water and soap.
Seek medical advice.

Eye contact: Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

Ingestion: Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

Indication of immediate medical attention and special treatment needed: Swallowing may cause irritation of mouth, throat and digestive tract, diarrhea and vomiting

Do not induce vomiting.
Seek medical attention from a specialist.

Section 5. Fire fighting measures

Suitable extinguishing media: Foam, extinguishing powder, carbon dioxide.

Improper extinguishing media: High pressure waterjet

Specific hazards arising from the chemical:	Vapours may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back. In the event of a fire, carbon monoxide (CO), carbon dioxide (CO2) and nitrogen oxides (NOx) can be released.
Special protection equipment and precautions for firefighters:	Wear self-contained breathing apparatus.
Additional fire fighting advice:	In case of fire, keep containers cool with water spray.

Section 6. Accidental release measures

Personal precautions:	Remove sources of ignition. Ensure adequate ventilation. Wear protective equipment. See advice in section 8
Environmental precautions:	Do not empty into drains / surface water / ground water.
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

Handling:	Keep away from sources of ignition - no smoking. Vapours should be extracted to avoid inhalation. Use only in well-ventilated areas. Avoid skin and eye contact. See advice in section 8
Storage:	Store in a cool, dry place. Do not store near sources of heat or ignition, or reactive materials. Protect from direct sunlight. Refer to Technical Data Sheet.

Section 8. Exposure controls / personal protection

Components with specific control parameters for workplace:

NAPHTHA 64742-49-0	**Value type**	Time Weighted Average (TWA):
	ppm	300
	mg/m³	1,370
	Remarks	SG OEL
Hexane (Commercial, <54% n-Hexane) 64742-49-0	**Value type**	Time Weighted Average (TWA):
	ppm	100
	Remarks	ACGIH
Hexane (Commercial, <54% n-Hexane) 64742-49-0	**Value type**	Skin designation:
	Remarks	ACGIH Danger of cutaneous absorption
2-PROPANOL 67-63-0	**Value type**	Time Weighted Average (TWA):
	ppm	200
	Remarks	ACGIH
ISOPROPYL ALCOHOL 67-63-0	**Value type**	Time Weighted Average (TWA):
	ppm	400
	mg/m³	983
	Remarks	SG OEL
2-PROPANOL 67-63-0	**Value type**	Short Term Exposure Limit (STEL):
	ppm	400
	Remarks	ACGIH
ISOPROPYL ALCOHOL 67-63-0	**Value type**	Short Term Exposure Limit (STEL):
	ppm	500
	mg/m³	1,230
	Remarks	SG OEL

Respiratory protection:
Do not inhale vapors and fumes.
Ensure adequate ventilation.
An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area
Filter type: A (EN 14387)

Hand protection:
Chemical-resistant protective gloves (EN 374).
Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):
nitrile rubber (NBR; >= 0.4 mm thickness)
Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):
nitrile rubber (NBR; >= 0.4 mm thickness)
This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:
Wear protective glasses.
Protective eye equipment should conform to EN166.

Body protection:
Suitable protective clothing
Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Engineering controls:	Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.
General protection and hygiene measures:	The workplace should be equipped with an emergency shower and eye-rinsing facility.
Hygienic measures:	Wash hands before work breaks and after finishing work. Do not eat, drink or smoke while working. Take off contaminated clothing and wash before reuse.

Section 9. Physical and chemical properties

Appearance:	Amber liquid
Odor:	Characteristic
Odor threshold (CA):	No data available.
pH:	Not applicable, Product is non-polar/aprotic.
Melting point / freezing point:	Not applicable, Product is a liquid
Specific gravity:	0.8000
Boiling point:	82 °C (179.6 °F)
Flash point:	-5 °C (23 °F)
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Lower explosive limit:	0.6 %(V)
Upper explosive limit:	12 %(V)
Vapor pressure: (; 20 °C (68 °F))	43 hPa
Vapor density:	Heavier than air
Density:	0.791 g/cm3
Solubility:	Insoluble (20 °C)
Partition coefficient: n-octanol/water:	No data available.
Auto ignition:	Not applicable
Decomposition temperature:	No data available.
Viscosity:	No data available.
VOC content: (2010/75/EC)	100 %

Section 10. Stability and reactivity

Reactivity/Incompatible materials:	Strong oxidizing agents.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	None under normal processing.
Conditions to avoid:	Heat, flames, sparks and other sources of ignition.
Hazardous decomposition products:	None if used for intended purpose.

Section 11. Toxicological information

Oral toxicity:	Acute toxicity estimate (ATE) : 1,670 mg/kg Method: Calculation method

Symptoms of Overexposure**:** ASPIRATION: Coughing, shortness of breath, nausea. Delayed effect: bronchopneumonia or pulmonary oedema
EYE: Irritation, conjunctivitis.
SKIN: Redness, inflammation.
INGESTION: Nausea, vomiting, diarrhea, abdominal pain.

Vapors may cause drowsiness and dizziness.

Acute oral toxicity:

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics; < 0,1% benzene 64742-49-0	Value type	LD50
	Value	> 5,840 mg/kg
	Species	rat
	Method	not specified
3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridine 34562-31-7	Value type	LD50
	Value	> 500 mg/kg
	Species	rat
	Method	other guideline:
3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridine 34562-31-7	Value type	Acute toxicity estimate (ATE)
	Value	501 mg/kg
	Species	
	Method	Expert judgement
Propan-2-ol 67-63-0	Value type	LD50
	Value	5,840 mg/kg
	Species	rat
	Method	equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity)

Acute inhalative toxicity:

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics; < 0,1% benzene 64742-49-0	Value type	LC50
	Value	> 23.3 mg/l
	Exposure time	4 h
	Species	rat
	Method	equivalent or similar to OECD Guideline 403 (Acute Inhalation Toxicity)
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics; < 0,1% benzene 64742-49-0	Value type	Acute toxicity estimate (ATE)
	Value	23.31 mg/l
	Exposure time	
	Species	
	Method	Expert judgement

Acute dermal toxicity:

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics; < 0,1% benzene 64742-49-0	Value type	LD50
	Value	> 2,800 mg/kg
	Species	rat
	Method	other guideline:
3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridine 34562-31-7	Value type	LD50
	Value	> 1,000 mg/kg
	Species	rabbit
	Method	other guideline:
Propan-2-ol 67-63-0	Value type	LD50
	Value	12,870 mg/kg
	Species	rabbit
	Method	OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation:

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics; < 0,1% benzene 64742-49-0	Result	irritating
	Exposure time	4 h
	Species	rabbit
	Method	equivalent or similar to OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridine 34562-31-7	Result	irritating
	Exposure time	4 h
	Species	rabbit
	Method	EPA OTS 798.4470 (Acute Dermal Irritation)
3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridine 34562-31-7	Result	not corrosive
	Exposure time	
	Species	Corrositex Biobarrier Membrane (reconstituted collagen matrix)
	Method	OECD Guideline 435 (In Vitro Membrane Barrier Test Method for Skin Corrosion)
Propan-2-ol 67-63-0	Result	not irritating
	Exposure time	4 h
	Species	rabbit
	Method	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics; < 0,1% benzene 64742-49-0	Result	not irritating
	Exposure time	
	Species	rabbit
	Method	FDA Guideline
3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridine 34562-31-7	Result	Category 2B (mildly irritating to eyes)
	Exposure time	
	Species	rabbit
	Method	EPA OTS 798.4500 (Acute Eye Irritation)
Propan-2-ol 67-63-0	Result	Category 2A (irritating to eyes)
	Exposure time	
	Species	rabbit
	Method	equivalent or similar to OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics; < 0,1% benzene 64742-49-0	Result	not sensitising
	Test type	Guinea pig maximisation test
	Species	guinea pig
	Method	OECD Guideline 406 (Skin Sensitisation)
Propan-2-ol 67-63-0	Result	not sensitising
	Test type	Buehler test
	Species	guinea pig
	Method	OECD Guideline 406 (Skin Sensitisation)

Germ cell mutagenicity:

Propan-2-ol 67-63-0	Result	negative
	Type of study / Route of administration	bacterial reverse mutation assay (e.g Ames test)
	Metabolic activation / Exposure time	with and without
	Method	equivalent or similar to OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Propan-2-ol 67-63-0	Result	negative
	Type of study / Route of administration	mammalian cell gene mutation assay
	Metabolic activation / Exposure time	with and without
	Method	equivalent or similar to OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Propan-2-ol 67-63-0	Result	negative
	Type of study / Route of administration	intraperitoneal
	Metabolic activation / Exposure time	
	Species	mouse
	Method	equivalent or similar to OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

Repeated dose toxicity:

Propan-2-ol 67-63-0	Result	
	Route of application	inhalation: vapour
	Exposure time / Frequency of treatment	104 w6 h/d, 5 d/w
	Species	rat
	Method	OECD Guideline 451 (Carcinogenicity Studies)

Section 12. Ecological information

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

Ecotoxicity: H410 Very toxic to aquatic life with long lasting effects.

Toxicity:

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics; < 0,1% benzene 64742-49-0	Value type	LC50
	Value	> 13.4 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Oncorhynchus mykiss
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics; < 0,1% benzene 64742-49-0	Value type	EL50
	Value	3 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics; < 0,1% benzene 64742-49-0	Value type	EL50
	Value	29 mg/l
	Acute Toxicity Study	Algae
	Exposure time	96 h
	Species	Pseudokirchneriella subcapitata

	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
	Value type	NOELR
	Value	6.3 mg/l
	Acute Toxicity Study	Algae
	Exposure time	96 h
	Species	Pseudokirchneriella subcapitata
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridine 34562-31-7	Value type	EC50
	Value	0.023 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridine 34562-31-7	Value type	EC50
	Value	0.0431 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Pseudokirchneriella subcapitata
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
	Value type	NOEC
	Value	0.017 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Pseudokirchneriella subcapitata
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
Propan-2-ol 67-63-0	Value type	LC50
	Value	> 9,640 - 10,000 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Pimephales promelas
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
Propan-2-ol 67-63-0	Value type	EC50
	Value	> 1,000 mg/l
	Acute Toxicity Study	Algae
	Exposure time	96 h
	Species	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
	Value type	NOEC
	Value	1,000 mg/l
	Acute Toxicity Study	Algae
	Exposure time	96 h
	Species	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
Propan-2-ol 67-63-0	Value type	EC50
	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)

Persistence and degradability:

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics; < 0,1% benzene 64742-49-0	Result	readily biodegradable
	Route of application	aerobic
	Degradability	> 81 - 98 %
	Method	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridine 34562-31-7	Result	not readily biodegradable.
	Route of application	aerobic
	Degradability	> 0 - < 60 %
	Method	OECD 301 A - F
Propan-2-ol 67-63-0	Result	readily biodegradable
	Route of application	aerobic
	Degradability	70 - 84 %
	Method	EU Method C.4-E (Determination of the "Ready" BiodegradabilityClosed Bottle Test)

Bioaccumulative potential / Mobility in soil:

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics; < 0,1% benzene 64742-49-0	LogPow	4.66
	Temperature	
	Method	EU Method A.8 (Partition Coefficient)
3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridine 34562-31-7	LogPow	6.578
	Temperature	
	Method	QSAR (Quantitative Structure Activity Relationship)
Propan-2-ol 67-63-0	LogPow	0.05
	Temperature	
	Method	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

Section 13. Disposal considerations

Product

Method of disposal: Dispose of in accordance with local and national regulations.

Packaging

Disposal of uncleaned packages: Packaging that cannot be cleaned are to be disposed of in the same manner as the product.

Section 14. Transport information

Road transport ADR:

Class:	3
Packing group:	II
Classification code:	F1
Hazard ident. number:	33
UN no.:	1993
Label:	3
Technical name:	FLAMMABLE LIQUID, N.O.S. (Heptanes,Isopropanol)
Additional information:	Special provision 640D

Railroad transport RID:

Class:	3
Packing group:	II
Classification code:	F1
Hazard ident. number:	33
UN no.:	1993
Label:	3
Technical name:	FLAMMABLE LIQUID, N.O.S. (Heptanes,Isopropanol)
Additional information:	Special provision 640D

Inland water transport ADN:

Class:	3
Packing group:	II
Classification code:	F1
Hazard ident. number:	33
UN no.:	1993
Label:	3
Technical name:	FLAMMABLE LIQUID, N.O.S. (Heptanes,Isopropanol)
Additional information:	Special provision 640D

Marine transport IMDG:

Class:	3
Packing group:	II
UN no.:	1993
Label:	3
EmS:	F-E ,S-E
Seawater pollutant:	Marine pollutant
Proper shipping name:	FLAMMABLE LIQUID, N.O.S. (Heptanes,Isopropanol,3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridine)

Air transport IATA:

Class:	3
Packing group:	II
Packaging instructions (passenger):	353
Packaging instructions (cargo):	364
UN no.:	1993
Label:	3
Proper shipping name:	Flammable liquid, n.o.s. (Heptanes,Isopropanol)

Section 15. Regulatory information

Regulatory Information: Workplace Safety And Health Act (Chapter 354A, Section 40B) Workplace Safety And Health (Approved Codes of Practice) Notification 2020.
Workplace Safety And Health Act (Chapter 354A, Section 65) Workplace Safety And Health (General Provisions) (Amendment No.2) Regulations 2024

Global inventory status:

Regulatory list	Notification
TSCA	yes
DSL	yes
KECI (KR)	yes
ENCS (JP)	yes
ISHL (JP)	yes
IECSC	yes
AIIC	yes
TCSI	yes
PICCS (PH)	yes
EINECS	yes

Section 16. Other information

Disclaimer:

This Safety Data Sheet has been generated based on Workplace Safety And Health Act (Chapter 354A, Section 40B) Workplace Safety And Health (Approved Codes of Practice) Notification 2020 and Workplace Safety And Health Act (Chapter 354A, Section 65) Workplace Safety And Health (General Provisions) (Amendment No.2) Regulations 2024 only. No warranty or representation of any kind is given with respect to the substantive or export laws of any other jurisdiction or country. Please confirm that the information provided herein conforms to the substantive export or other law of any other jurisdiction prior to export. Please contact Henkel Product Safety and Regulatory Affairs for additional assistance.This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.
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