Safety Data Sheet

LOCTITE SF 7070 10L EGFD/IT/ES/PT/SFDN

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

Product name:
LOCTITE SF 7070 10L EGFD/IT/ES/PT/SFDN

Other means of identification:
LOCTITE SF 7070 10L EGFD/IT/ES/PT/SFDN

Product code:
IDH147514

Recommended use of the chemical and restrictions on use

Intended use:
Solvent based cleaner

Manufacturer/Importer/Distributor Representative Company

Henkel Thailand Ltd. The Offices at Centralworld,
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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: +662 209 8008

Section 2. Hazards identification

GHS Classification:

Hazard Class	Hazard Category
Flammable liquids	Category 3
Skin corrosion/irritation	Category 2
Skin sensitizer	Category 1
Aspiration hazard	Category 1

GHS label elements:

Hazard pictogram:



Signal word:
Danger

Hazard statement:
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.

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.
P272 Contaminated work clothing should not be allowed out of the workplace.
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].
P331 Do NOT induce vomiting.
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 dry sand, dry chemical or alcohol-resistant foam for extinction.
Storage:
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, C11-C12, isoalkanes, < 2% aromatics 64742-48-9	60- 100 %	Flammable liquids 3 H226 Acute toxicity 5; Dermal H313 Skin corrosion/irritation 3 H316 Aspiration hazard 1 H304
Limonene, D- 5989-27-5	10- 30 %	Flammable liquids 3 H226 Skin corrosion/irritation 2 H315 Skin sensitizer 1B H317 Aspiration hazard 1 H304 Acute hazards to the aquatic environment 1 H400 Chronic hazards to the aquatic environment 3 H412

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:
See section: Description of first aid measures
Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary oedema.
Do not induce vomiting.
Seek medical attention from a specialist.

Section 5. Fire fighting measures

Suitable extinguishing media:
carbon dioxide, foam, powder, water spray jet, fine water spray

Improper extinguishing media:
High pressure waterjet

Specific hazards arising from the chemical:
Do not expose to direct heat.

Special protection equipment and precautions for firefighters:
Wear self-contained breathing apparatus.
In case of fire, keep containers cool with water spray.

Hazardous combustion products:
Oxides of carbon, oxides of nitrogen, irritating organic vapors.

Section 6. Accidental release measures

Personal precautions:
Avoid skin and eye contact.
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:
For small spills wipe up with paper towel and place in container for disposal.
For large spills absorb onto inert absorbent material and place in sealed container for disposal.
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:
Avoid skin and eye contact.
Keep away from sources of ignition - no smoking.
Vapours should be extracted to avoid inhalation.
See advice in section 8

Storage:
Store in a cool, dry place.
Do not store near sources of heat or ignition, or reactive materials.
Refer to Technical Data Sheet.

Section 8. Exposure controls / personal protection

Components with specific control parameters for workplace:

Respiratory protection:
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:
Safety glasses with sideshields or chemical safety goggles should be worn if there is a risk of splashing.
Protective eye equipment should conform to EN166.

Body protection:
Wear 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:	Blue, Light liquid
Odor:	Of hydrocarbons
Odor threshold (CA):	No data available.
pH:	Not applicable, Product is non-soluble (in water).
Melting point / freezing point:	Not applicable, Product is a liquid
Specific gravity:	No data available.
Boiling point:	173 - 193 °C (343.4 - 379.4 °F)
Flash point: (ASTM D56;; Tagliabue Closed Cup)	39 °C (102.2 °F)
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Lower explosive limit:	0.6 %(V)
Upper explosive limit:	7 %(V)
Vapor pressure: (; 20 °C (68 °F))	0.3 hPa
Vapor density:	> 1
Density:	0.77 g/cm3
Solubility:	Insoluble
Partition coefficient: n-octanol/water:	No data available.
Auto ignition:	Not available.
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.
Conditions to avoid:
Stable under normal conditions of storage and use.
Heat, flames, sparks and other sources of ignition.
Hazardous decomposition products:
None if used for intended purpose.

Section 11. Toxicological information

Symptoms of Overexposure**:** SKIN: Rash, Urticaria.
SKIN: Redness, inflammation.
Prolonged or repeated contact may cause eye irritation.

Acute oral toxicity:

Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 64742-48-9	Value type	LD50
	Value	> 5,000 mg/kg
	Species	rat
	Method	equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity)
Limonene, D- 5989-27-5	Value type	LD50
	Value	> 5,000 mg/kg
	Species	rat
	Method	equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity)

Acute inhalative toxicity:

Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 64742-48-9	Value type	LC50
	Value	> 5.6 mg/l
	Exposure time	4 h
	Species	rat
	Method	equivalent or similar to OECD Guideline 403 (Acute Inhalation Toxicity)

Acute dermal toxicity:

Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 64742-48-9	Value type	LD50
	Value	> 2,200 - 2,500 mg/kg
	Species	rabbit
	Method	not specified
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 64742-48-9	Value type	Acute toxicity estimate (ATE)
	Value	2,201 mg/kg
	Species	
	Method	Expert judgement
Limonene, D- 5989-27-5	Value type	LD50
	Value	> 5,000 mg/kg
	Species	rabbit
	Method	equivalent or similar to OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation:

Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 64742-48-9	Result	mildly irritating
	Exposure time	4 h
	Species	rabbit
	Method	equivalent or similar to OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Limonene, D- 5989-27-5	Result	moderately irritating
	Exposure time	4 h
	Species	rabbit
	Method	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 64742-48-9	Result	not irritating
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Limonene, D- 5989-27-5	Result	not irritating
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 64742-48-9	Result	not sensitising
	Test type	Guinea pig maximisation test
	Species	guinea pig
	Method	equivalent or similar to OECD Guideline 406 (Skin Sensitisation)
Limonene, D- 5989-27-5	Result	Sub-Category 1B (sensitising)
	Test type	Mouse local lymphnode assay (LLNA)
	Species	mouse
	Method	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

Germ cell mutagenicity:

Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 64742-48-9	Result	negative
	Type of study / Route of administration	bacterial reverse mutation assay (e.g Ames test)
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 64742-48-9	Result	negative
	Type of study / Route of administration	in vitro mammalian chromosome aberration test
	Metabolic activation / Exposure time	with and without
	Method	equivalent or similar to OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 64742-48-9	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)
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 64742-48-9	Result	negative
	Type of study / Route of administration	sister chromatid exchange assay in mammalian cells
	Metabolic activation / Exposure time	with and without
	Method	equivalent or similar to OECD Guideline 479 (Genetic Toxicology: In Vitro Sister Chromatid Exchange Assay in Mammalian Cells)
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 64742-48-9	Result	negative
	Type of study / Route of administration	
	Metabolic activation / Exposure time	
	Species	mouse
	Method	equivalent or similar to OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 64742-48-9	Result	negative
	Type of study / Route of administration	
	Metabolic activation / Exposure time	
	Species	rat
	Method	equivalent or similar to OECD Guideline 478 (Genetic Toxicology: Rodent Dominant Lethal Test)
Limonene, D- 5989-27-5	Result	negative
	Type of study / Route of administration	bacterial reverse mutation assay (e.g Ames test)
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Limonene, D- 5989-27-5	Result	negative
	Type of study / Route of administration	in vitro mammalian chromosome aberration test
	Metabolic activation / Exposure time	with and without
	Method	equivalent or similar to OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Limonene, D- 5989-27-5	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)
Limonene, D- 5989-27-5	Result	negative
	Type of study / Route of administration	sister chromatid exchange assay in mammalian cells
	Metabolic activation / Exposure time	with and without
	Method	equivalent or similar to OECD Guideline 479 (Genetic Toxicology: In Vitro Sister Chromatid Exchange Assay in Mammalian Cells)
Limonene, D- 5989-27-5	Result	negative
	Type of study / Route of administration	oral: gavage
	Metabolic activation / Exposure time	
	Species	rat
	Method	not specified

Repeated dose toxicity:

Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 64742-48-9	Result	NOAEL=5,000 mg/kg
	Route of application	oral: gavage
	Exposure time / Frequency of treatment	13 weeksdaily
	Species	rat
	Method	equivalent or similar to OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Limonene, D- 5989-27-5	Result	NOAEL=825 mg/kg
	Route of application	oral: gavage
	Exposure time / Frequency of treatment	16 d5 d/w
	Species	rat
	Method	equivalent or similar to OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)

Section 12. Ecological information

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

Ecotoxicity:

Toxicity:

Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 64742-48-9	Value type	LL50
	Value	> 1,000 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Oncorhynchus mykiss
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 64742-48-9	Value type	EL50
	Value	> 1,000 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 64742-48-9	Value type	EL50
	Value	> 1,000 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Pseudokirchneriella subcapitata
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
	Value type	NOELR
	Value	1,000 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Pseudokirchneriella subcapitata
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
Limonene, D- 5989-27-5	Value type	LC50
	Value	0.702 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Pimephales promelas
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
	Value type	LC10
	Value	0.32 mg/l
	Acute Toxicity Study	Fish
	Exposure time	8 d
	Species	Pimephales promelas
	Method	OECD Guideline 212 (Fish, Short-term Toxicity Test on Embryo and Sac-Fry Stages)
Limonene, D- 5989-27-5	Value type	EC50
	Value	0.577 mg/l
	Acute Toxicity Study	Daphnia

	Exposure time	48 h
	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Limonene, D- 5989-27-5	Value type	EC50
	Value	0.32 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Pseudokirchneriella subcapitata
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
	Value type	EC10
	Value	0.174 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Pseudokirchneriella subcapitata
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
Limonene, D- 5989-27-5	Value type	EC10
	Value	18 mg/l
	Acute Toxicity Study	Bacteria
	Exposure time	3 h
	Species	activated sludge of a predominantly domestic sewage
	Method	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

Persistence and degradability:

Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics 64742-48-9	Result	not readily biodegradable.
	Route of application	aerobic
	Degradability	31.3 %
	Method	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
	Result	inherently biodegradable
	Route of application	aerobic
	Degradability	72 %
	Method	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
Limonene, D- 5989-27-5	Result	readily biodegradable
	Route of application	aerobic
	Degradability	71.4 %
	Method	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)

Bioaccumulative potential / Mobility in soil:

Limonene, D- 5989-27-5	LogPow	4.57
	Temperature	
	Method	not specified

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:	III
Classification code:	F1
Hazard ident. number:	30
UN no.:	1268
Label:	3
Technical name:	PETROLEUM DISTILLATES, N.O.S. (Stoddard Solvent)

Railroad transport RID:

Class:	3
Packing group:	III
Classification code:	F1
Hazard ident. number:	30
UN no.:	1268
Label:	3
Technical name:	PETROLEUM DISTILLATES, N.O.S. (Stoddard Solvent)

Inland water transport ADN:

Class:	3
Packing group:	III
Classification code:	F1
Hazard ident. number:	30
UN no.:	1268
Label:	3
Technical name:	PETROLEUM DISTILLATES, N.O.S. (Stoddard Solvent)

Marine transport IMDG:

Class:	3
Packing group:	III
UN no.:	1268
Label:	3
EmS:	F-E ,S-E
Seawater pollutant:	Marine pollutant
Proper shipping name:	PETROLEUM DISTILLATES, N.O.S. (Stoddard Solvent,limonene)

Air transport IATA:

Class:	3
Packing group:	III
Packaging instructions (passenger):	355
Packaging instructions (cargo):	366
UN no.:	1268
Label:	3
Proper shipping name:	Petroleum distillates, n.o.s. (Stoddard Solvent)

Section 15. Regulatory information

Regulatory Information:
Ministry of Industry Notice. The system to classify and communicate the hazard of hazardous material, BE. 2555

Global inventory status:

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

Section 16. Other information

Disclaimer:
This Safety Data Sheet has been generated based on Ministry of Industry Notice. The system to classify and communicate the hazard of hazardous material, BE. 2555 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.
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