



Safety Data Sheet

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LOCTITE SF 7063 400ML EGFD

SDS No. : 179512

V001.13

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

Product name:

LOCTITE SF 7063 400ML EGFD

Other means of identification:

LOCTITE SF 7063 400ML EGFD

Product code:

IDH2098749

Recommended use of the chemical and restrictions on use

Intended use:

Solvent based cleaner

Identification of manufacturer, importer or distributor

Manufacturer: Henkel Diadema, Rua Karl Huller, 136, CEP: 09941-410 - Diadema – SP, Brasil. Tel : +55-11-3205-8955
Fax: +55-11-3205-8766

Importer: Henkel Thailand Ltd The Offices at Centralworld, 35th Floor, 999/9 Rama 1 Rd, Kwang Patumwan, Khet Patumwan, Bangkok 10330, Thailand. Phone : + 6622098000 Fax : +6622098008

E-mail address of person responsible for Safety Data Sheet:

ap-ua-psra.sea@henkel.com

Emergency information:

FOR EMERGENCIAS ONLY (Spill, major leak, Fire, Exposure, or Accident). Call CHEMTREC: +1 703-741-5970

Section 2. Hazards identification

GHS Classification:

<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Target organ</u>
Flammable aerosols	Category 1	
Skin corrosion/irritation	Category 2	
Specific target organ toxicity - single exposure	Category 3	Central nervous system
Chronic hazards to the aquatic environment	Category 2	

GHS label elements:

Hazard pictogram:



Signal word:

Danger

Hazard statement:

H222 Extremely flammable aerosol.
H229 Pressurized container: May burst if heated.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H411 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.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash hands thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P302+P352 IF ON SKIN: Wash with plenty of water.
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.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.

Storage:

P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

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
Naphtha, hydrotreated light, <0,1% benzene 64742-49-0	30- 60 %	Flammable liquids 2 H225 Skin corrosion/irritation 2 H315 Specific target organ toxicity - single exposure 3 H336 Aspiration hazard 1 H304 Acute hazards to the aquatic environment 2 H401 Chronic hazards to the aquatic environment 2 H411
Ethanol 64-17-5	10- 30 %	Flammable liquids 2 H225 Serious eye damage/eye irritation 2A H319
Dimethoxymethane 109-87-5	10- 30 %	Flammable liquids 2 H225
Carbon dioxide 124-38-9	1- 10 %	Gases under pressure
Propan-2-ol 67-63-0	0.1- 1 %	Flammable liquids 2 H225 Serious eye damage/eye irritation 2A H319 Specific target organ toxicity - single exposure 3 H336 Aspiration hazard 2 H305

Section 4. First aid measures

Inhalation:

Move to fresh air.

Skin contact:

Rinse with running water and soap.
Obtain medical attention if irritation persists.

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

Section 5. Fire fighting measures

Suitable extinguishing media:

Foam, extinguishing powder, carbon dioxide.

Specific hazards arising from the chemical:

Vapours may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back.

Special protection equipment and precautions for firefighters:

Wear self-contained breathing apparatus.

Hazardous combustion products:

Oxides of carbon, oxides of nitrogen, irritating organic vapors.

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.

Avoid skin and eye contact.

Wear protective equipment.

Ensure adequate ventilation.

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.

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.

Refer to Technical Data Sheet

Section 8. Exposure controls / personal protection

Components with specific control parameters for workplace:

ETHANOL 64-17-5	Value type	Short Term Exposure Limit (STEL):
	ppm	1,000
	Remarks	ACGIH
ETHANOL (ETHYL ALCOHOL) 64-17-5	Value type	Time Weighted Average (TWA):
	ppm	1,000
	Remarks	TH OEL
METHYLAL 109-87-5	Value type	Time Weighted Average (TWA):
	ppm	1,000
	Remarks	ACGIH
CARBON DIOXIDE 124-38-9	Value type	Time Weighted Average (TWA):
	ppm	5,000
	Remarks	ACGIH
CARBON DIOXIDE 124-38-9	Value type	Short Term Exposure Limit (STEL):
	ppm	30,000
	Remarks	ACGIH
2-PROPANOL 67-63-0	Value type	Time Weighted Average (TWA):
	ppm	200
	Remarks	ACGIH
ISOPROPYL ALCOHOL (IPA) 67-63-0	Value type	Time Weighted Average (TWA):
	ppm	400
	Remarks	TH OEL
2-PROPANOL 67-63-0	Value type	Short Term Exposure Limit (STEL):
	ppm	400
	Remarks	ACGIH
ETHANOL 64-17-5	Value type	Short Term Exposure Limit (STEL):
	ppm	1,000
	Remarks	ACGIH
ETHANOL (ETHYL ALCOHOL) 64-17-5	Value type	Time Weighted Average (TWA):
	ppm	1,000
	Remarks	TH OEL

Respiratory protection:

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)

Ensure adequate ventilation.

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; \geq 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; \geq 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.

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:	colourless aerosol
Odor:	hydrocarbons
Odor threshold (CA):	No data available.
pH:	Not applicable
Melting point / freezing point:	No data available.
Specific gravity:	No data available.
Boiling point:	-78 °C (-108.4 °F)
Flash point:	-18 °C (0.4 °F)
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Lower explosive limit:	0.8 % (V)
Upper explosive limit:	15 % (V)
Vapor pressure:	440 hPa (; 20 °C (68 °F))
Vapor density:	No data available.
Density:	0.742 g/cm ³
Solubility:	Not miscible
Partition coefficient: n-octanol/water:	No data available.
Auto ignition:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.
VOC content:	95 % (2010/75/EC)

Section 10. Stability and reactivity

Reactivity/Incompatible materials:
Strong oxidizing agents.

Chemical stability:
Stable under recommended storage conditions.

Conditions to avoid:
Heat, flames, sparks and other sources of ignition.
No decomposition if used according to specifications.

Hazardous decomposition products:
None if used for intended purpose.

Section 11. Toxicological information

Symptoms of Overexposure: Vapors may cause drowsiness and dizziness.
SKIN: Redness, inflammation.
Prolonged or repeated contact may cause eye irritation.

Acute oral toxicity:

Naphtha, hydrotreated light, <0,1% benzene 64742-49-0	Value type	LD50
	Value	> 5,000 mg/kg
	Species	rat
	Method	equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity)
Ethanol 64-17-5	Value type	LD50
	Value	10,470 mg/kg
	Species	rat
	Method	OECD Guideline 401 (Acute Oral Toxicity)
Dimethoxymethane 109-87-5	Value type	LD50
	Value	6,423 mg/kg
	Species	rat
	Method	OECD Guideline 423 (Acute Oral toxicity)
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:

Naphtha, hydrotreated light, <0,1% benzene 64742-49-0	Value type	LC50
	Value	> 5.61 mg/l
	Exposure time	4 h
	Species	rat
	Method	equivalent or similar to OECD Guideline 403 (Acute Inhalation Toxicity)
Ethanol 64-17-5	Value type	LC50
	Value	124.7 mg/l
	Exposure time	4 h
	Species	rat
	Method	OECD Guideline 403 (Acute Inhalation Toxicity)
Dimethoxymethane 109-87-5	Value type	LC50
	Value	15,000 mg/l
	Exposure time	4 h
	Species	rat
	Method	not specified
Propan-2-ol 67-63-0	Value type	LC50
	Value	72.6 mg/l
	Exposure time	4 h
	Species	rat
	Method	not specified

Acute dermal toxicity:

Naphtha, hydrotreated light, <0,1% benzene 64742-49-0	Value type	LD50
	Value	> 2,000 mg/kg
	Species	rabbit
	Method	equivalent or similar to OECD Guideline 402 (Acute Dermal Toxicity)
Ethanol 64-17-5	Value type	LD50
	Value	> 2,000 mg/kg
	Species	rabbit
	Method	OECD Guideline 402 (Acute Dermal Toxicity)
Dimethoxymethane 109-87-5	Value type	LD50
	Value	> 5,000 mg/kg
	Species	rabbit
	Method	OECD Guideline 402 (Acute Dermal Toxicity)
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:

Ethanol 64-17-5	Result	not irritating
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Propan-2-ol 67-63-0	Result	slightly irritating
	Exposure time	4 h
	Species	rabbit
	Method	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Ethanol 64-17-5	Result	irritating
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Propan-2-ol 67-63-0	Result	Category II
	Exposure time	
	Species	rabbit
	Method	equivalent or similar to OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Ethanol 64-17-5	Result	not sensitising
	Test type	Guinea pig maximisation test
	Species	guinea pig
	Method	OECD Guideline 406 (Skin Sensitisation)
Ethanol 64-17-5	Result	not sensitising
	Test type	Mouse local lymphnode assay (LLNA)
	Species	mouse
	Method	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
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:

Ethanol 64-17-5	Result	negative
	Type of study / Route of administration	bacterial reverse mutation assay (e.g Ames test)
	Metabolic activation / Exposure time	
	Method	OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Ethanol 64-17-5	Result	negative
	Type of study / Route of administration	in vitro mammalian chromosome aberration test
	Metabolic activation / Exposure time	without
	Method	OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Ethanol 64-17-5	Result	negative
	Type of study / Route of administration	mammalian cell gene mutation assay
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Ethanol 64-17-5	Result	negative
	Type of study / Route of administration	
	Metabolic activation / Exposure time	
	Method	OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test)
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	
	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	at least 104 w6 h/d, 5 d/w
	Method	OECD Guideline 451 (Carcinogenicity Studies)

Section 12. Ecological information

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

Ecotoxicity: Toxic to aquatic life with long lasting effects.

Toxicity:

Naphtha, hydrotreated light, <0,1% benzene 64742-49-0	Value type	LL50
	Value	8.2 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Pimephales promelas
Naphtha, hydrotreated light, <0,1% benzene 64742-49-0	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
	Value type	EL50
	Value	4.5 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
Naphtha, hydrotreated light, <0,1% benzene 64742-49-0	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
	Value type	EL50
	Value	3.1 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	0.5 mg/l
Ethanol 64-17-5	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Pseudokirchneriella subcapitata
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
	Value type	LC50
	Value	14,200 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Pimephales promelas
	Method	EPA-660 (Methods for Acute Toxicity Tests with Fish, Macroinvertebrates and Amphibians)
	Value type	NOEC
	Value	250 mg/l
	Acute Toxicity Study	Fish
	Exposure time	120 h
	Species	Danio rerio
Ethanol 64-17-5	Method	OECD Guideline 212 (Fish, Short-term Toxicity Test on Embryo and Sac-Fry Stages)
	Value type	EC50
	Value	5,012 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
Ethanol 64-17-5	Species	Ceriodaphnia dubia
	Method	other guideline:
	Value type	EC50
	Value	275 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Chlorella vulgaris
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
	Value type	EC10
	Value	11.5 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Chlorella vulgaris
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
	Ethanol 64-17-5	Value type
Value		> 1,000 mg/l
Acute Toxicity Study		Bacteria
Exposure time		3 h
Species		activated sludge
Dimethoxymethane 109-87-5	Method	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
	Value type	LC50
	Value	6,990 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h

	Species	Pimephales promelas
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
Dimethoxymethane 109-87-5	Value type	EC50
	Value	> 500 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Dimethoxymethane 109-87-5	Value type	EC10
	Value	> 500 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)
Dimethoxymethane 109-87-5	Value type	EC10
	Value	3,000 mg/l
	Acute Toxicity Study	Bacteria
	Exposure time	17 h
	Species	
	Method	DIN 38412, part 8 (Pseudomonas Zellvermehrungshemm-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:

Naphtha, hydrotreated light, <0,1% benzene 64742-49-0	Result	readily biodegradable
	Route of application	aerobic
	Degradability	77.05 %
	Method	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
Ethanol 64-17-5	Result	readily biodegradable
	Route of application	aerobic
	Degradability	80 - 85 %
	Method	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Dimethoxymethane 109-87-5	Result	
	Route of application	
	Degradability	88 %
	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" Biodegradability Closed Bottle Test)

Bioaccumulative potential / Mobility in soil:

Naphtha, hydrotreated light, <0,1% benzene	LogPow	4 - 5.7
	Temperature	

64742-49-0	Method	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
Ethanol 64-17-5	LogPow	-0.35
	Temperature	24 °C
	Method	not specified
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:

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.

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: 2
Packing group:
Classification code: 5F
Hazard ident. number:
UN no.: 1950
Label: 2.1
Technical name: AEROSOLS

Railroad transport RID:

Class: 2
Packing group:
Classification code: 5F
Hazard ident. number: 23
UN no.: 1950
Label: 2.1
Technical name: AEROSOLS

Inland water transport ADN:

Class: 2
Packing group:
Classification code: 5F
Hazard ident. number:
UN no.: 1950
Label: 2.1
Technical name: AEROSOLS

Marine transport IMDG:

Class: 2.1
Packing group:
UN no.: 1950
Label: 2.1
EmS: F-D ,S-U

Seawater pollutant: Marine pollutant
 Proper shipping name: AEROSOLS (Solvent Naphtha (Petroleum), Light Aromatic)

Air transport IATA:

Class: 2.1
 Packing group:
 Packaging instructions (passenger): 203
 Packaging instructions (cargo): 203
 UN no.: 1950
 Label: 2.1
 Proper shipping name: Aerosols, flammable

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
AICS	yes
TCSI	yes
PICCS (PH)	yes
INSQ	yes
CH INV	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. 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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