

Safety Data Sheet

LOCTITE LB 8009 BO18OZEN

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SDS No.: 798766

V001.0

Revision: 18.12.2023 printing date: 13.09.2024

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

Product name:

LOCTITE LB 8009 BO18OZEN

Other means of identification:

LOCTITE LB 8009 BO18OZEN

Product code:

IDH209758

Recommended use of the chemical and restrictions on use

Intended use:

Antiseize

Manufacturer/Importer/Distributor Representative Company

Henkel Thailand Ltd. The Offices at Centralworld,

35th Floor, 999/9 Rama 1 Rd., Kwang Patumwan, Khet Patumwan,

10330 Bangkok

Thailand

Phone: +66 (2209) 8000 Fax-no.: +66 (2209) 8008

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 CHEMTREC: +1 703-741-5970

Section 2. Hazards identification

GHS Classification:

Substance or mixture is not classified as hazardous according to Globally Harmonized System(GHS).

GHS label elements:

Substance or mixture is not classified as hazardous according to Globally Harmonized System(GHS).

Section 3. Composition / information on ingredients

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Substance or Mixture:

Mixture

Declaration of hazardous chemical:

Hazard component CAS-No.	Content	GHS Classification
Calcium fluoride 7789-75-5	10- 30 %	
Graphite 7782-42-5	10- 30 %	
Distillates (petroleum), hydrotreated heavy naphthenic <3% DMSO 64742-52-5	10- 30 %	
Dodecylbenzene calcium sulfonate	1- 10 %	Skin corrosion/irritation 2 H315 Serious eye damage/eye irritation 2A H319
Calcium distearate 1592-23-0	1- 10 %	
Calcium carbonate 471-34-1	1- 10 %	

Section 4. First aid measures

Inhalation:

Move to fresh air. If symptoms persist, seek medical advice.

Skin contact:

Rinse with running water and soap.

Obtain medical attention if irritation persists.

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

Ingestion:

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

Section 5. Fire fighting measures

Suitable extinguishing media:

Water spray (fog), foam, dry chemical or carbon dioxide.

Improper extinguishing media:

High pressure waterjet

Specific hazards arising from the chemical:

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 and full protective clothing, such as turn-out gear.

Additional fire fighting advice:

In case of fire, keep containers cool with water spray.

Section 6. Accidental release measures

Personal precautions:

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Avoid contact with skin and eyes. 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:

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. Dispose of contaminated material as waste according to Section 13.

Section 7. Handling and storage

Handling:

Avoid skin and eye contact. Use only in well-ventilated areas. See advice in section 8

Storage:

Refer to Technical Data Sheet

Section 8. Exposure controls / personal protection

$Components\ with\ specific\ control\ parameters\ for\ workplace:$

FLUORIDES, AS F 7789-75-5	Value type	Time Weighted Average (TWA):
	mg/m ³	2.5
	Remarks	ACGIH
FLUORIDES, AS F 7789-75-5	Value type	Time Weighted Average (TWA):
	mg/m ³	2.5
	Remarks	TH OEL
GRAPHITE (ALL FORMS EXCEPT GRAPHITE FIBERS), RESPIRABLE FRACTION 7782-42-5	Value type	Time Weighted Average (TWA):
	mg/m ³	2
	Remarks	ACGIH
Mineral oil, excluding metal working fluids, pure, highly and severely refined, inhalable fraction 64742-52-5	Value type	Time Weighted Average (TWA):
	mg/m ³	5
	Remarks	ACGIH
Calcium distearate 1592-23-0	Value type	Time Weighted Average (TWA):
	mg/m ³	3
STEARATES (EXCEPT STEARATES OF TOXIC METALS), RESPIRABLE FRACTION 1592-23-0	Value type	Time Weighted Average (TWA):
	mg/m ³	3
	Remarks	ACGIH
STEARATES (EXCEPT STEARATES OF TOXIC METALS), INHALABLE FRACTION 1592-23-0	Value type	Time Weighted Average (TWA):
	mg/m ³	10
	Remarks	ACGIH
Calcium carbonate, respirable dust 471-34-1	Value type	Time Weighted Average (TWA):
	mg/m ³	5
	Remarks	TH OEL
Calcium carbonate 471-34-1	Value type	Time Weighted Average (TWA):
	mg/m ³	10
Particles (insoluble or poorly soluble) not otherwise specified, respirable particles 471-34-1	Value type	Time Weighted Average (TWA):
	mg/m ³	3
İ	Remarks	ACGIH
Particles (insoluble or poorly soluble) not otherwise specified, inhalable particles 471-34-1	Value type	Time Weighted Average (TWA):
	mg/m ³	10
	Remarks	ACGIH
Calcium carbonate, inhalable dust 471-34-1	Value type	Time Weighted Average (TWA):
	mg/m ³	15
	Remarks	TH OEL

Respiratory protection:

Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.

Eye protection:

Safety goggles or safety glasses with side shields.

Full face protection should be used if the potential for splashing or spraying of product exists.

Protective eye equipment should conform to EN166.

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Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact. 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: grey

liquid mild, fatty Odor:

Odor threshold (CA): No data available.

Not applicable, Product is non-soluble (in water).

Melting point / freezing point: Not applicable, Product is a liquid

Specific gravity:

Boiling point: $> 100 \, ^{\circ}\text{C} \, (> 212 \, ^{\circ}\text{F})$ Flash point: > 93 °C (> 199.4 °F) **Evaporation rate:** No data available. Flammability (solid, gas): No data available. Lower explosive limit: No data available. **Upper explosive limit:** No data available.

Vapor pressure: < 1 hPa

(; 20 °C (68 °F))

Vapor density: > 1

Density: 1.1799 g/cm3

Not miscible or difficult to mix **Solubility:**

Partition coefficient: n-No data available.

octanol/water:

Auto ignition: No data available. No data available. **Decomposition temperature:** Viscosity: No data available.

VOC content: No data available.

Section 10. Stability and reactivity

Reactivity/Incompatible materials:

Reaction with strong oxidants.

Reaction with strong acids.

Chemical stability:

Stable under recommended storage conditions.

Conditions to avoid:

Stable under normal conditions of storage and use.

Hazardous decomposition products:

carbon oxides.

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Section 11. Toxicological information

Symptoms of Overexposure:

None known.

Acute oral toxicity:

Calcium fluoride	Value type	LD50
7789-75-5	Value	> 2,000 mg/kg
	Species	rat
	Method	OECD Guideline 423 (Acute Oral toxicity)
Graphite	Value type	Acute toxicity estimate (ATE)
7782-42-5	Value	> 5,000 mg/kg
	Species	
	Method	Expert judgement
Distillates (petroleum),	Value type	LD50
hydrotreated heavy naphthenic	Value	> 5,000 mg/kg
<3%DMSO	Species	rat
64742-52-5	Method	OECD Guideline 401 (Acute Oral Toxicity)
Calcium distearate	Value type	LD50
1592-23-0	Value	> 2,000 mg/kg
	Species	rat
	Method	OECD Guideline 423 (Acute Oral toxicity)
Calcium carbonate	Value type	LD50
471-34-1	Value	> 2,000 mg/kg
	Species	rat
	Method	OECD Guideline 420 (Acute Oral Toxicity)

Acute inhalative toxicity:

Calcium fluoride	Value type	LC50
7789-75-5	Value	> 5.07 mg/l
	Exposure time	4 h
	Species	rat
	Method	OECD Guideline 403 (Acute Inhalation Toxicity)
Graphite	Value type	LC50
7782-42-5	Value	> 2 mg/l
	Exposure time	4 h
	Species	rat
	Method	OECD Guideline 403 (Acute Inhalation Toxicity)
Distillates (petroleum),	Value type	LC50
hydrotreated heavy naphthenic	Value	> 5.53 mg/l
<3%DMSO	Exposure time	4 h
64742-52-5	Species	rat
	Method	OECD Guideline 403 (Acute Inhalation Toxicity)
Calcium carbonate	Value type	LC50
471-34-1	Value	> 3 mg/l
	Exposure time	4 h
	Species	rat
	Method	OECD Guideline 403 (Acute Inhalation Toxicity)

Acute dermal toxicity:

Calcium fluoride	Value type	LD50	
7789-75-5	Value	> 2,000 mg/kg	
	Species	rat	
	Method	EPA OPP 81-2 (Acute Dermal Toxicity)	
Distillates (petroleum),	Value type	LD50	
hydrotreated heavy naphthenic	Value	> 5,000 mg/kg	
<3%DMSO	Species	rabbit	
64742-52-5	Method	OECD Guideline 402 (Acute Dermal Toxicity)	
Calcium distearate	Value type	LD50	
Calcium distearate 1592-23-0	Value type Value	LD50 > 2,000 mg/kg	
	Value	> 2,000 mg/kg	
	Value Species	> 2,000 mg/kg rat	
1592-23-0	Value Species Method	> 2,000 mg/kg rat OECD Guideline 402 (Acute Dermal Toxicity)	
1592-23-0 Calcium carbonate	Value Species Method Value type	> 2,000 mg/kg rat OECD Guideline 402 (Acute Dermal Toxicity) LD50	

Skin corrosion/irritation:

Calcium fluoride	Result	not irritating
7789-75-5	Exposure time	
	Species	rabbit
	Method	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Graphite	Result	not irritating
7782-42-5	Exposure time	4 h
	Species	rabbit
	Method	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Calcium distearate	Result	not irritating
1592-23-0	Exposure time	24 h
	Species	rabbit
	Method	Draize Test
Calcium distearate	Result	not corrosive
1592-23-0	Exposure time	
	Species	Human, EpiSkinTM (SM), Reconstructed Human Epidermis (RHE)
	Method	OECD Guideline 431 (In Vitro Skin Corrosion: Reconstructed Human Epidermis (RHE) Test Method)
Calcium distearate	Result	not irritating
1592-23-0	Exposure time	
	Species	Human, EpiSkinTM (SM), Reconstructed Human Epidermis (RHE)
	Method	OECD Guideline 439 (In Vitro Skin Irritation: Reconstructed Human Epidermis (RHE) Test Method)

Calcium carbonate	Result	not irritating
471-34-1	Exposure time	4 h
	Species	rabbit
	Method	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Calcium fluoride	Result	not irritating
7789-75-5	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Graphite	Result	not irritating
7782-42-5	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Calcium distearate	Result	not irritating
1592-23-0	Exposure time	
	Species	rabbit
	Method	Draize Test
Calcium carbonate	Result	not irritating
471-34-1	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Calcium fluoride	Result	not sensitising
7789-75-5	Test type	Mouse local lymphnode assay (LLNA)
	Species	mouse
	Method	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
Graphite	Result	not sensitising
7782-42-5	Test type	Mouse local lymphnode assay (LLNA)
	Species	mouse
	Method	equivalent or similar to OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
Calcium distearate	Result	not sensitising
1592-23-0	Test type	Patch-Test
	Species	human
	Method	Patch Test
Calcium distearate	Result	not sensitising
1592-23-0	Test type	Mouse local lymphnode assay (LLNA)
	Species	mouse
	Method	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
Calcium carbonate	Result	not sensitising
471-34-1	Test type	Mouse local lymphnode assay (LLNA)
	Species	mouse
	Method	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

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Germ cell mutagenicity:

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Repeated dose toxicity:

Calcium fluoride	Result	
7789-75-5	Route of application	inhalation: aerosol
	Exposure time / Frequency of treatment	28 d6 hours/day, 5 days/week
	Species	rat
	Method	OECD Guideline 412 (Repeated Dose Inhalation Toxicity: 28/14-Day)
Graphite	Result	NOAEL=ca. 813 mg/kg
7782-42-5	Route of application	oral: feed
	Exposure time / Frequency of treatment	daily
	Species	rat
	Method	OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
Calcium distearate	Result	NOAEL=2,000 mg/kg
1592-23-0	Route of application	oral: gavage
	Exposure time / Frequency of treatment	28 ddaily
	Species	rat
	Method	OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)
Calcium carbonate	Result	NOAEL=1,000 mg/kg
471-34-1	Route of application	oral: gavage
	Exposure time / Frequency of treatment	48 ddaily
	Species	rat
	Method	OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

Section 12. Ecological information

General ecological information:

Do not empty into drains / surface water / ground water.

Toxicity:

Calcium fluoride	Value type	LC50
7789-75-5	Value	104.7 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Oncorhynchus mykiss
	Method	other guideline:
	Value type	NOEC
	Value	7.43 mg/l
	Acute Toxicity Study	Fish
	Exposure time	21 d
	Species	Oncorhynchus mykiss
	Method	other guideline:
Calcium fluoride	Value type	EC50
7789-75-5	Value	199 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia magna
	Method	other guideline:
Calcium fluoride	Value type	EC10
7789-75-5	Value	280 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)
	Method	DIN 38412-09
	Value type	EC50
	Value	850 mg/l

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	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)
	Method	DIN 38412-09
Calcium fluoride 7789-75-5	Value type	EC0
	Value	231 mg/l
	Acute Toxicity Study	Bacteria
	Exposure time	16 h
	Species	100 1
~	Method	not specified
Graphite	Value type	LC50
7782-42-5	Value	> 10,000 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Brachydanio rerio (new name: Danio rerio)
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
Graphite	Value type	EC50
7782-42-5	Value	> 5,600 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	24 h
	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Distillates (petroleum),	Value type	LC50
hydrotreated heavy naphthenic	Value	> 1,000 mg/l
<3%DMSO	Acute Toxicity Study	Fish
64742-52-5	Exposure time	96 h
	Species	Oncorhynchus mykiss
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
Distillates (petroleum),	Value type	EC50
hydrotreated heavy naphthenic	Value	> 1,000 mg/l
<3%DMSO	Acute Toxicity Study	Daphnia
64742-52-5	Exposure time	48 h
	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Distillates (petroleum),	Value type	NOELR
hydrotreated heavy naphthenic	Value	100 mg/l
<3%DMSO	Acute Toxicity Study	Algae
64742-52-5	Exposure time	72 h
	Species	Pseudokirchneriella subcapitata
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
Calcium distearate	Value type	LL50
1592-23-0	Value	> 100 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Oncorhynchus mykiss
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
Calcium distearate	Value type	EL50
1592-23-0	Value	> 100 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Calcium distearate	Value type	EL50
1592-23-0	Value	> 160 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	160 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Pseudokirchneriella subcapitata
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
Calcium distearate 1592-23-0	Value type	EC0
	Value	> 1,000 mg/l
	Acute Toxicity Study	Bacteria
	Exposure time	30 min
	Species	Pseudomonas putida
	Method	DIN 38412, part 27 (Bacterial oxygen consumption test)

Calcium carbonate	Value type	LC50
471-34-1	Value	Toxicity > Water solubility
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Oncorhynchus mykiss
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
Calcium carbonate	Value type	EC50
471-34-1	Value	Toxicity > Water solubility
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Calcium carbonate	Value type	EC50
471-34-1	Value	Toxicity > Water solubility
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Desmodesmus subspicatus
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
	Value type	NOEC
	Value	14 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Desmodesmus subspicatus
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
Calcium carbonate	Value type	EC50
471-34-1	Value	Toxicity > Water solubility
	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:

Distillates (petroleum),	Result	not readily biodegradable.
hydrotreated heavy naphthenic	Route of application	aerobic
<3%DMSO	Degradability	6 %
64742-52-5	Method	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Calcium distearate 1592-23-0	Result	readily biodegradable
	Route of application	aerobic
	Degradability	91 %
	Method	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)

Bioaccumulative potential / Mobility in soil:

Calcium distearate	LogPow	3.82
1592-23-0	Temperature	25 °C
	Method	QSAR (Quantitative Structure Activity Relationship)
Calcium carbonate 471-34-1	LogPow	-2.12
	Temperature	
	Method	QSAR (Quantitative Structure Activity Relationship)

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:

Not dangerous goods

Railroad transport RID:

Not dangerous goods

Inland water transport ADN:

Not dangerous goods

Marine transport IMDG:

Not dangerous goods

Air transport IATA:

Not dangerous goods

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
IECSC yes
AIIC yes
PICCS (PH) yes
EINECS yes

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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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