LOCTITE LB 771 NICKEL GRADE ANTI-SEIZE known as Nickel Grade Anti-Seize

SDS No. : 153790
V001.15
Revision: 08.04.2026
printing date: 09.04.2026

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

Product name: LOCTITE LB 771 NICKEL GRADE ANTI-SEIZE known as Nickel Grade Anti-Seize

Other means of identification: LOCTITE LB 771 BO1LBEN
Product code: IDH135543
Recommended use of the chemical and restrictions on use

Intended use: Lubricant
Manufacturer/Importer/Distributor Representative Company

Henkel Adhesive Tech. Vietnam Co., Ltd,
No. 7, Road 9A Bien Hoa II Industrial Zone,
Bien Hoa City,
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Emergency Telephone for Chemical Accidents: FOR EMERGENCIES ONLY (Spill, major leak, Fire, Exposure, or Accident). Call: +84 28 71006388

Section 2. Hazards identification

GHS Classification:

Hazard Class	Hazard Category	Target organ
Skin sensitizer	Category 1	
Carcinogenicity	Category 2	
Specific target organ toxicity - repeated exposure	Category 1	respiratory tract

GHS label elements:

Hazard pictogram:



Signal word: Danger

Hazard statement:
H317 May cause an allergic skin reaction.
H351 Suspected of causing cancer.
H372 Causes damage to organs through prolonged or repeated exposure.

Precaution:

Prevention:
P201 Obtain special instructions before use.
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.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:
P302+P352 IF ON SKIN: Wash with plenty of water.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.

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
Distillates (petroleum), hydrotreated heavy naphthenic <3%DMSO 64742-52-5	30- 60 %	
Nickel 7440-02-0	10- 30 %	Skin Sensitization 1 H317 Carcinogenicity 2 H351 Specific target organ toxicity - repeated exposure 1 H372 Acute hazards to the aquatic environment 3 H402 Chronic hazards to the aquatic environment 3 H412
Graphite 7782-42-5	1- 10 %	
Sulfonic acids, petroleum, sodium salts 68608-26-4	1- 10 %	Serious eye damage/eye irritation 2A H319
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm²/sec (not cmr) 64742-54-7	1- 10 %	Aspiration hazard 1 H304
Lard, oil, polymd., oxidized 68082-79-1	1- 10 %	Serious eye damage/eye irritation 2A H319
Aluminum 7429-90-5	1- 10 %	

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. Seek medical advice.

Section 5. Fire fighting measures

Suitable extinguishing media:	Foam, extinguishing powder, carbon dioxide. Fine water spray
Specific hazards arising from the chemical:	In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO2) can be released. In case of fire, keep containers cool with water spray.
Special protection equipment and precautions for firefighters:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Hazardous combustion products:	Oxides of carbon.

Section 6. Accidental release measures

Personal precautions:	Avoid skin and eye contact. 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. Dispose of contaminated material as waste according to Section 13.

Section 7. Handling and storage

Handling:	Avoid skin and eye contact. Use only with adequate ventilation. See advice in section 8
Storage:	Store in a cool, dry place. Keep container tightly sealed. Keep away from sources of ignition. Refer to Technical Data Sheet.

Section 8. Exposure controls / personal protection

Components with specific control parameters for workplace:

Mineral oil, excluding metal working fluids, pure, highly and severely refined, inhalable fraction 64742-52-5	**Value type**	Time Weighted Average (TWA):
	mg/m³	5
	Remarks	ACGIH
Mineral oil (mist) 64742-52-5	**Value type**	Time Weighted Average (TWA):
	mg/m³	5
	Remarks	VN OEL
Mineral oil (mist) 64742-52-5	**Value type**	Short-term exposure limit (STEL):
	mg/m³	10
	Remarks	VN OEL
NICKEL, ELEMENTAL, INHALABLE FRACTION 7440-02-0	**Value type**	Time Weighted Average (TWA):
	mg/m³	1.5
	Remarks	ACGIH
GRAPHITE (ALL FORMS EXCEPT GRAPHITE FIBERS), RESPIRABLE FRACTION 7782-42-5	**Value type**	Time Weighted Average (TWA):
	mg/m³	2
	Remarks	ACGIH
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm²/sec (not cmr) 64742-54-7	**Value type**	Time Weighted Average (TWA):
	mg/m³	5
Mineral oil (mist) 64742-54-7	**Value type**	Time Weighted Average (TWA):
	mg/m³	5
	Remarks	VN OEL
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm²/sec (not cmr) 64742-54-7	**Value type**	Short Term Exposure Limit (STEL):
	mg/m³	10
Mineral oil (mist) 64742-54-7	**Value type**	Short-term exposure limit (STEL):
	mg/m³	10
	Remarks	VN OEL
Aluminum and compounds 7429-90-5	**Value type**	Time Weighted Average (TWA):
	mg/m³	2
	Remarks	VN OEL
Particles (insoluble or poorly soluble) not otherwise specified, respirable particles 7429-90-5	**Value type**	Time Weighted Average (TWA):
	mg/m³	3
	Remarks	ACGIH
Particles (insoluble or poorly soluble) not otherwise specified, inhalable particles 7429-90-5	**Value type**	Time Weighted Average (TWA):
	mg/m³	10
	Remarks	ACGIH
Aluminum metal and insoluble compounds, respirable fraction 7429-90-5	**Value type**	Time Weighted Average (TWA):
	mg/m³	1
	Remarks	ACGIH

Respiratory protection:	Do not inhale vapors and fumes. 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; >= 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:	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:	Gray / Grey paste
Odor:	Characteristic
Odor threshold (CA):	No data available.
pH:	No data available.
Melting point / freezing point:	No data available.
Specific gravity:	1.1
Boiling point:	No data available.
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: (; 26.6 °C (79.9 °F))	< 6 mbar
Vapor density:	No data available.
Density:	No data available.
Solubility:	Negligible
Partition coefficient: n-octanol/water:	No data available.
Auto ignition:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

VOC content: < 3 %
(2010/75/EC)

Section 10. Stability and reactivity

Reactivity/Incompatible materials: Strong oxidizing agents.
Chemical stability: Stable under recommended storage conditions.
Conditions to avoid: Stable under normal conditions of storage and use.
Hazardous decomposition products: carbon oxides.

Section 11. Toxicological information

Health Effects:
Skin: May cause an allergic skin reaction.
Symptoms of Overexposure**:** None known.

Acute oral toxicity:

Distillates (petroleum), hydrotreated heavy naphthenic <3%DMSO 64742-52-5	Value type	LD50
	Value	> 5,000 mg/kg
	Species	rat
	Method	OECD Guideline 401 (Acute Oral Toxicity)
Nickel 7440-02-0	Value type	LD50
	Value	> 9,000 mg/kg
	Species	rat
	Method	equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity)
Graphite 7782-42-5	Value type	Acute toxicity estimate (ATE)
	Value	> 5,000 mg/kg
	Species	
	Method	Expert judgement
Sulfonic acids, petroleum, sodium salts 68608-26-4	Value type	LD50
	Value	> 5,000 mg/kg
	Species	rat
	Method	OECD Guideline 401 (Acute Oral Toxicity)
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm²/sec (not cmr) 64742-54-7	Value type	LD50
	Value	> 5,000 mg/kg
	Species	rat
	Method	OECD Guideline 401 (Acute Oral Toxicity)
Aluminum 7429-90-5	Value type	LD50
	Value	> 15,900 mg/kg
	Species	rat
	Method	OECD Guideline 401 (Acute Oral Toxicity)

Acute inhalative toxicity:

Distillates (petroleum), hydrotreated heavy naphthenic <3%DMSO 64742-52-5	Value type	LC50
	Value	> 5.53 mg/l
	Exposure time	4 h
	Species	rat
	Method	OECD Guideline 403 (Acute Inhalation Toxicity)
Graphite 7782-42-5	Value type	LC50
	Value	> 2 mg/l
	Exposure time	4 h
	Species	rat
	Method	OECD Guideline 403 (Acute Inhalation Toxicity)
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm²/sec (not cmr) 64742-54-7	Value type	LC50
	Value	> 5.53 mg/l
	Exposure time	4 h
	Species	rat
	Method	OECD Guideline 403 (Acute Inhalation Toxicity)

Acute dermal toxicity:

Distillates (petroleum), hydrotreated heavy naphthenic <3%DMSO 64742-52-5	Value type	LD50
	Value	> 5,000 mg/kg
	Species	rabbit
	Method	OECD Guideline 402 (Acute Dermal Toxicity)
Sulfonic acids, petroleum, sodium salts 68608-26-4	Value type	LD50
	Value	> 5,000 mg/kg
	Species	rabbit
	Method	OECD Guideline 402 (Acute Dermal Toxicity)
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm²/sec (not cmr) 64742-54-7	Value type	LD50
	Value	> 5,000 mg/kg
	Species	rabbit
	Method	OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation:

Graphite 7782-42-5	Result	not irritating
	Exposure time	4 h
	Species	rabbit
	Method	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Sulfonic acids, petroleum, sodium salts 68608-26-4	Result	not irritating
	Exposure time	4 h
	Species	rabbit
	Method	EPA OPPTS 870.2500 (Acute Dermal Irritation)
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm²/sec (not cmr) 64742-54-7	Result	not irritating
	Exposure time	24 h
	Species	rabbit
	Method	not specified

Serious eye damage/irritation:

Graphite 7782-42-5	Result	not irritating
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Sulfonic acids, petroleum, sodium salts 68608-26-4	Result	irritating
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm²/sec (not cmr) 64742-54-7	Result	not irritating
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Graphite 7782-42-5	Result	not sensitising
	Test type	Mouse local lymphnode assay (LLNA)
	Species	mouse
	Method	equivalent or similar to OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
Sulfonic acids, petroleum, sodium salts 68608-26-4	Result	not sensitising
	Test type	Patch-Test
	Species	human
	Method	Patch Test
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm²/sec (not cmr) 64742-54-7	Result	not sensitising
	Test type	Buehler test
	Species	guinea pig
	Method	OECD Guideline 406 (Skin Sensitisation)

Germ cell mutagenicity:

Graphite 7782-42-5	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)
Graphite 7782-42-5	Result	negative
	Type of study / Route of administration	in vitro mammalian chromosome aberration test
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Graphite 7782-42-5	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)
Sulfonic acids, petroleum, sodium salts 68608-26-4	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)
Sulfonic acids, petroleum, sodium salts 68608-26-4	Result	negative
	Type of study / Route of administration	in vitro mammalian chromosome aberration test
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Sulfonic acids, petroleum, sodium salts 68608-26-4	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)
Sulfonic acids, petroleum, sodium salts 68608-26-4	Result	negative
	Type of study / Route of administration	intraperitoneal
	Metabolic activation / Exposure time	
	Species	mouse
	Method	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm²/sec (not cmr) 64742-54-7	Result	negative
	Type of study / Route of administration	in vitro mammalian chromosome aberration test
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)

Repeated dose toxicity:

Graphite 7782-42-5	Result	NOAEL=ca. 813 mg/kg
	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)
Sulfonic acids, petroleum, sodium salts 68608-26-4	Result	NOAEL=500 mg/kg
	Route of application	oral: gavage
	Exposure time / Frequency of treatment	29 ddaily
	Species	rat
	Method	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:

Distillates (petroleum), hydrotreated heavy naphthenic <3%DMSO 64742-52-5	Value type	LC50
	Value	> 1,000 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Oncorhynchus mykiss
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
Distillates (petroleum), hydrotreated heavy naphthenic <3%DMSO 64742-52-5	Value type	EC50
	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)
Distillates (petroleum), hydrotreated heavy naphthenic <3%DMSO 64742-52-5	Value type	NOELR
	Value	100 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Pseudokirchneriella subcapitata
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
Nickel 7440-02-0	Value type	LC50
	Value	Toxicity > Water solubility
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Brachydanio rerio (new name: Danio rerio)
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
Nickel 7440-02-0	Value type	EC50
	Value	Toxicity > Water solubility
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Graphite 7782-42-5	Value type	LC50
	Value	Toxicity > Water solubility
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Danio rerio

	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
Graphite 7782-42-5	Value type	EC50
	Value	Toxicity > Water solubility
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Graphite 7782-42-5	Value type	EC50
	Value	Toxicity > Water solubility
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Raphidocelis subcapitata (new name: Pseudokirchneriella subcapitata)
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
	Value type	NOEC
	Value	Toxicity > Water solubility
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Raphidocelis subcapitata (new name: Pseudokirchneriella subcapitata)
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
Graphite 7782-42-5	Value type	EC50
	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)
Sulfonic acids, petroleum, sodium salts 68608-26-4	Value type	LC50
	Value	> 100 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Oncorhynchus mykiss
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
Sulfonic acids, petroleum, sodium salts 68608-26-4	Value type	EC50
	Value	> 100 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Sulfonic acids, petroleum, sodium salts 68608-26-4	Value type	ErC50
	Value	> 100 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
	Value type	NOEC
	Value	100 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
Sulfonic acids, petroleum, sodium salts 68608-26-4	Value type	EC0
	Value	620 mg/l
	Acute Toxicity Study	Bacteria
	Exposure time	30 min
	Species	Pseudomonas putida
	Method	DIN 38412, part 27 (Bacterial oxygen consumption test)
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm²/sec (not cmr) 64742-54-7	Value type	LL50
	Value	> 100 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Pimephales promelas
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm²/sec (not cmr) 64742-54-7	Value type	EL50
	Value	> 10,000 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm²/sec (not cmr) 64742-54-7	Value type	EL50
	Value	> 100 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	100 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Pseudokirchneriella subcapitata
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
Aluminum 7429-90-5	Value type	NOEC
	Value	> 100 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Salmo trutta
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)

Persistence and degradability:

Distillates (petroleum), hydrotreated heavy naphthenic <3%DMSO 64742-52-5	Result	not readily biodegradable.
	Route of application	aerobic
	Degradability	6 %
	Method	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Sulfonic acids, petroleum, sodium salts 68608-26-4	Result	not readily biodegradable.
	Route of application	aerobic
	Degradability	1 - 7 %
	Method	EU Method C.4-E (Determination of the "Ready" BiodegradabilityClosed Bottle Test)
	Result	
	Route of application	aerobic
	Degradability	85.2 %
	Method	OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm²/sec (not cmr) 64742-54-7	Result	not readily biodegradable.
	Route of application	aerobic
	Degradability	31 %
	Method	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)

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: This Safety Data Sheet has been generated based on

LAW ON CHEMICALS No. 69/2025/QH15, issued on June 14, 2025;

Decree No. 24/2026/NĐ-CP, issued on January 17, 2026, ON THE LISTS OF CHEMICALS GOVERNED BY THE LAW ON CHEMICALS;

Decree No. 25/2026/NĐ-CP, issued on January 17, 2026, DETAILED REGULATIONS AND MEASURES FOR ORGANIZING AND GUIDING THE IMPLEMENTATION OF CERTAIN ARTICLES OF THE LAW ON CHEMICALS CONCERNING THE DEVELOPMENT OF THE CHEMICAL INDUSTRY AND CHEMICAL SAFETY AND SECURITY;

Decree No. 26/2026/NĐ-CP, issued on January 17, 2026, DETAILED REGULATIONS AND GUIDELINES FOR IMPLEMENTING CERTAIN ARTICLES OF THE LAW ON CHEMICALS REGARDING THE MANAGEMENT OF CHEMICAL ACTIVITIES AND HAZARDOUS CHEMICALS IN PRODUCTS AND GOODS;

Circular No. 01/2026/TT-BCT, issued on January 17, 2026, DETAILED REGULATIONS AND GUIDELINES FOR IMPLEMENTING CERTAIN ARTICLES OF THE LAW ON CHEMICALS AND GOVERNMENT DECREE NO. 26/2026/ND-CP DETAILING AND GUIDING THE IMPLEMENTATION OF CERTAIN ARTICLES OF THE LAW ON CHEMICALS REGARDING THE MANAGEMENT OF CHEMICAL ACTIVITIES AND HAZARDOUS CHEMICALS IN PRODUCTS AND GOODS;

Circular No. 02/2026/TT-BCT, issued on January 17, 2026, REGULATIONS ON SOME IMPLEMENTATION MEASURES OF THE LAW ON CHEMICALS AND GOVERNMENT DECREE NO. 25/2026/ND-CP DETAILING AND PROVIDING MEASURES FOR ORGANIZING AND GUIDING THE IMPLEMENTATION OF SOME ARTICLES OF THE LAW ON CHEMICALS CONCERNING THE DEVELOPMENT OF THE CHEMICAL INDUSTRY AND CHEMICAL SAFETY AND SECURITY;

Decree No. 161/2024/ND-CP, issued on December 18, 2024, ON LIST OF DANGEROUS GOODS, TRANSPORT OF DANGEROUS GOODS AND PROCEDURES FOR ISSUANCE OF LICENSES OR CERTIFICATES OF COMPLETION OF TRAINING PROGRAMS FOR DRIVERS OR ESCORTS TRANSPORTING DANGEROUS GOODS BY ROAD;

Decree No. 34/2024/NĐ-CP, issued on March 31, 2024, ON LIST OF DANGEROUS GOODS, TRANSPORT OF DANGEROUS GOODS BY INLAND WATERCRAFT;

Decree No. 33/2024/NĐ-CP, issued on March 27, 2024, IMPLEMENTING THE CONVENTION ON THE PROHIBITION OF THE DEVELOPMENT, PRODUCTION, STOCKPILING AND USE OF CHEMICAL WEAPONS AND ON THEIR;

Decree No. 37/2026/NĐ-CP, issued on January 23, 2026, ELABORATING CERTAIN ARTICLES AND MEASURES FOR ORGANIZING AND GUIDING THE IMPLEMENTATION OF THE LAW ON PRODUCT AND GOODS QUALITY.

If other regulatory information applies that is not already provided or updated elsewhere in this

Safety Data Sheet, then it is described in this subsection.

Global inventory status:

Regulatory list	Notification
TSCA	yes
DSL	yes
KECI (KR)	yes
ENCS (JP)	yes
ISHL (JP)	yes
IECSC	yes
TCSI	yes

Section 16. Other information

Disclaimer:

This Safety Data Sheet has been generated based on Law On Chemicals No. 69/2025/QH15; Decree No. 24/2026/NĐ-CP; Decree No. 25/2026/NĐ-CP; Decree No. 26/2026/NĐ-CP; Circular No. 01/2026/TT-BCT; Circular No. 02/2026/TT-BCT; Decree No. 161/2024/ND-CP; Decree No. 34/2024/NĐ-CP; Decree No. 33/2024/NĐ-CP, and Decree No. 37/2026/NĐ-CP.

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.

Dear Customer,

Henkel is committed to creating a sustainable future by promoting opportunities along the entire value chain. If you would like to contribute by switching from a paper to the electronic version of SDS, please contact the local Customer Service representative. We recommend to use a non-personal email address (e.g. SDS@your_company.com).