



Safety Data Sheet according to GB/T 16483-2008

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LOCTITE LB 771 LUBRICATION ANTI SEIZE known as
NICKEL ANTI SEIZE LUBRICANT 28

SDS No. : 153790
V001.4

Revision: 28.08.2013

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

Product name: LOCTITE LB 771 LUBRICATION ANTI SEIZE known as NICKEL ANTI SEIZE
LUBRICANT 28

Intended use: Lubricant

Company name:

Henkel (China) Investment Co., Ltd.
No.928 Zhangheng Rd.
201203 Pudong, Shanghai, P.R.China

China

Phone: +86-21-2891 8000

Fax-no.: +86-21-2891 5137

Revision date: 28.08.2013

Emergency information: Emergency telephone: +86 532 8388 9090 (24h).

2. Hazards identification

Classification of the substance or mixture according to GB 13690-2009 (General rule for classification and hazard communication of chemicals):

<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Route of Exposure</u>	<u>Target organ</u>
Carcinogenicity	Category 2		
Skin sensitizer	Category 1A	Skin contact	
Specific target organ toxicity - repeated exposure	Category 1		

Label elements according to GB 15258-2009 (General rules for preparation of precautionary label for chemicals):

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.

Precautionary statement (Prevention):	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P261 Avoid breathing dust/mist/vapors. 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. P281 Use personal protective equipment as required.
Precautionary statement (Response):	P302+P352 IF ON SKIN: Wash with plenty of soap and water. P308+P313 IF exposed or concerned: Get medical advice/attention. P314 Get medical advice/attention if you feel unwell. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P363 Wash contaminated clothing before reuse.
Precautionary statement (Storage):	P403+P233 Store in a well-ventilated place. Keep container tightly closed.
Precautionary statement (Disposal):	P501 Dispose of contents/container according to SDS section 13.

3. Composition / information on ingredients

Declaration of the ingredients according to GB 13690-2009:

Hazard component CAS-No.	Concentration range	GHS Classification
Nickel 7440-02-0	10- 30 %	Specific target organ toxicity - repeated exposure 1 H372 Skin sensitizer 1 H317 Chronic hazards to the aquatic environment 3 H412 Carcinogenicity 2 H351
Proprietary	1- 5 %	Skin irritation 2; Dermal H315 Skin sensitizer 1; Dermal H317 Serious eye damage/eye irritation 1 H318
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO 64742-54-7	1- 5 %	Aspiration hazard 1 H304

Only hazardous ingredients for which a classification according to GB 13690-2009 is already available are displayed in this table. For full text of the Hazard statements see section 16 "Other information".

4. First aid measures

Skin contact:	Wash with soap and water. If symptoms develop and persist, get medical attention.
Eye contact:	In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.
Inhalation:	Move to fresh air. If symptoms persist, seek medical advice.
Ingestion:	Aspiration may cause pulmonary edema and pneumonitis. Do not induce vomiting. Get medical attention.

5. Fire fighting measures

Hazardous combustion products: Metal vapors.
Oxides of carbon.
Oxides of aluminum.
Oxides of nickel.

Extinguishing media: foam
Dry chemical.
Carbon dioxide.

Fire-fighting method: In case of fire, keep containers cool with water spray.

Notice and measures for firing fighting: None

6. Accidental release measures

Emergency measures: Ensure adequate ventilation.
Do not let product enter drains.

Clean-up methods: Store in a partly filled, closed container until disposal.

7. Handling and storage

Notice for handling: Use only with adequate ventilation.
Do not get on skin or clothing.
Do not breathe gas/fumes/vapor/spray.
Wash thoroughly after handling.

Notice for storage: Store in a cool place in closed original container.

8. Exposure controls / personal protection

Hazardous components	GBZ 2.1-2007	ACGIH	NIOSH	OSHA
Nickel	1 mg/m ³ TWA	1,5 mg/m ³ TWA		none
	none	none		none
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO	none	5 mg/m ³ TWA 10 mg/m ³ TWA		none

Engineering controls: Use positive down-draft exhaust ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.

Respiratory protection: Do not inhale vapors and fumes.
Use only in well-ventilated areas.

Eye protection: Wear protective glasses.

Body protection: Neoprene or oil resistant gloves.

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)

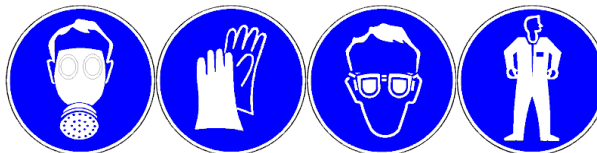
Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):
nitrile rubber (NBR; ≥ 0.4 mm thickness)

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.

Other protection:

The selection of PPE shall at least compliant with "Law of the People's Republic of China on Prevention and Control of Occupational Diseases" and "Code of practice for selection of personal protective equipments" (GB/T 11651-2008).

Good industrial hygiene practices should be observed.

Pictograms for recommended PPE:**9. Physical and chemical properties**

Physical state:	paste	Appearance:	silver
pH:	not applicable	Melting point:	Not applicable
Flash point:	> 93 °C (> 199.4 °F)	Ignition temperature:	Not available.
Solubility:	Negligible (Solvent: Water)	Viscosity:	Not available.

10. Stability and reactivity

Conditions to avoid:	Stable under recommended storage conditions.
Incompatible products:	Strong oxidizing agents.
Decomposition products:	No data

11. Toxicological information**General toxicological information:**

No laboratory animal data available.

Oral toxicity:

May be harmful if swallowed.

Other remarks:

Not available.

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Proprietary	sensitising	Guinea pig maximisation test	guinea pig	
Proprietary	sensitising	Guinea pig maximisation test	guinea pig	

12. Ecological information

General ecological information:

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

Ecotoxicity:

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

Persistence and Biodegradability:

No data available.

Persistence and degradability:

Ultimate biodegradation:

Not available.

Other adverse effects:
Not available.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Nickel 7440-02-0	LC50	> 100 mg/l	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	OECD Guideline 203 (Fish, Acute Toxicity Test)
	LC50	> 100 mg/l	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	OECD Guideline 203 (Fish, Acute Toxicity Test)
Nickel 7440-02-0	EC50	> 100 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
	EC50	> 100 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Proprietary	LC50	> 100 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
	LC50	> 100 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Proprietary	EC50	> 100 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
	EC50	> 100 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Proprietary	NOEC	100 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
	ErC50	> 100 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
	ErC50	> 100 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
	NOEC	100 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Proprietary		aerobic	17 - 49 %	EU Method C.4-B (Determination of the "Ready" Biodegradability Modified OECD Screening Test)
		aerobic	17 - 49 %	EU Method C.4-B (Determination of the "Ready" Biodegradability Modified OECD Screening Test)

13. Disposal considerations

Product disposal: If the waste is classified as hazardous waste according to GB 5085.7-2007 (Identification standards for hazardous wastes, General Specifications). Dispose of as hazardous waste in compliance with "Regulation on the Safety Management of Hazardous Chemicals", "Law of the People's Republic of China on the prevention and control of Environmental Pollution by Solid Waste", "National Catalogue of Hazardous Waste".

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.

14. Transport information

General information:

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

Notice For Transportation:

Transport according to local and national regulations. Ensure containers will not leak, collapse, or being damaged when transported. DO NOT transport with incompatible materials. Transportation vehicle should be equipped with right fire-fighting equipment in case of emergency. Avoid solarization, drenched and high temperature when transported.

15. Regulations - classification and identification

The following laws and regulations lay down provisions in terms of chemicals safety use, storage, transportation, loading/unloading, classification as well as symbol.

"Law of the People's Republic of China on Work Safety" (Adopted by the 28th meeting of 9th NPC standing committee on 29th June 2002).

"Law of the People's Republic of China on the Prevention and Treatment of Occupational Diseases" (Adopted by the 24th meeting of 11th NPC standing committee on 31st December 2011)

"Law of the People's Republic of China on environmental protection" (Adopted by 11st meeting of 7th NPC standing committee on 26th December 1989).

"Regulation on the Safety Management of Hazardous Chemicals" (Adopted by 144th State Council executive meeting on 16th February 2011).

"Regulations on License to Work Safety" (Adopted by 34th State Council executive meeting on 7th January 2004).

China Inventory of Existing Chemicals:

All components are listed or are exempt from Inventory of Existing Chemical Substances in China.

16. Other information

Issue date:

08.01.2018

Issue department:

Dayong Tian, Product Safety & Regulatory Affairs Specialist for Greater China

Disclaimer:

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Others:

The full text of all abbreviations indicated by codes in this safety data sheet section 3 are as follows:

- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H351 Suspected of causing cancer.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H412 Harmful to aquatic life with long lasting effects.