

Safety data sheet
according to UK REACH

Printing date 07.04.2026

Version number 2.1 (replaces version 2.0)

Revision: 07.04.2026

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: MA-LLL Long Life Liquid

1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the mixture

Coolant (e.g. spindle cooling)

Anticorrosion additive

For professional user.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Boss Lubricants GmbH

Chemnitzer Str. 15

72458 Albstadt

Germany

Tel.: +49(0)74 31 - 70 18 18 - 0

Fax: +49(0)74 31 - 70 18 18 - 19

msds@boss-oil.de

Further information obtainable from: Product safety department

1.4 Emergency telephone number:

Boss Helpline +49(0)74 31 - 70 18 18 - 0 during normal opening hours (Mon-Fri, 9.00 - 16.00)

SECTION 2: Hazards identification

2.1 Classification according to Regulation (EC) No 1272/2008



GHS08 health hazard

STOT RE 2 H373 May cause damage to the kidneys through prolonged or repeated exposure.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation.

Hazard pictograms



GHS07



GHS08

Signal word Warning

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

(Contd. on page 2)

Safety data sheet according to UK REACH

Printing date 07.04.2026

Version number 2.1 (replaces version 2.0)

Revision: 07.04.2026

Trade name: MA-LLL Long Life Liquid

(Contd. of page 1)

*H373 May cause damage to the kidneys through prolonged or repeated exposure.***Precautionary statements**

- P260 Do not breathe dust/fume/gas/mist/vapours/spray.*
P280 Wear protective gloves / eye protection / face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P321 Specific treatment (see on this label).
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P362+P364 Take off contaminated clothing and wash it before reuse.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:** This substance is neither persistent, bioaccumulative nor toxic (PBT).**vPvB:** Not applicable

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Preparation**Description:** Mixture of subsequent listed substances and harmless additives.**Dangerous components:**

CAS: 107-21-1 EINECS: 203-473-3	ethanediol	⚠ Acute Tox. 4, H302	50-<100%
CAS: 764-71-6 EINECS: 212-130-7	Potassium octanoate	⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	2.5-10%

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures**General information:***Immediately remove any clothing soiled by the product.**Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.**Take affected persons out into the fresh air.**Do not leave affected persons unattended.**Personal protection for the First Aider.***After inhalation:***In case of unconsciousness place patient stably in side position for transportation.**Take affected persons into fresh air and keep quiet.***After skin contact:***Wash with soap and water. Remove contaminated clothing. If symptoms persist, consult a doctor.***After eye contact:***Rinse opened eye for several minutes under running water. Remove contact lenses, continue rinsing. If symptoms persist, consult a doctor.***After swallowing:** *Do not induce vomiting; call for medical help immediately.***4.2 Most important symptoms and effects, both acute and delayed** *No further relevant information available.*

(Contd. on page 3)

Safety data sheet according to UK REACH

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Version number 2.1 (replaces version 2.0)

Revision: 07.04.2026

Trade name: MA-LLL Long Life Liquid

(Contd. of page 2)

4.3 Indication of any immediate medical attention and special treatment needed
In case of swallowing or inhaling bigger amounts contact poison specialist.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet.

5.2 Special hazards arising from the substance or mixture

Formation of toxic/irritating gases possible when heated or in case of fire.

Decomposition products see chapter 10.

5.3 Advice for firefighters suitable fire suppressants: carbon dioxide (CO₂), foam, water, dry chemical

Protective equipment: Wear self-contained respiratory protective device.

Additional information

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep away unprotected persons.

Ensure adequate ventilation

Particular danger of slipping on leaked/spilled product.

Keep away from naked flames, hot surfaces and sources of ignition.

Avoid contact with skin and eyes.

Do not inhale vapours and aerosols.

Close leaks without taking a personal risk.

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

In case of seepage into the ground inform responsible authorities.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid prolonged or repeated skin contact.

Avoid contact with eyes.

Keep receptacles tightly sealed.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Keep away from sources of ignition - No smoking.

Remove soiled, soaked clothing.

Keep away from food, drink and animal feed.

Wash hands before breaks and at the end of work.

(Contd. on page 4)

Safety data sheet according to UK REACH

Printing date 07.04.2026

Version number 2.1 (replaces version 2.0)

Revision: 07.04.2026

Trade name: MA-LLL Long Life Liquid

(Contd. of page 3)

Do not eat, drink or smoke at work.

Information about fire - and explosion protection:

Keep away ignition sources - Do not smoke.

Do not spray onto a naked flame or any incandescent material.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Provide solvent resistant, sealed floor.

Prevent any seepage into the ground.

Information about storage in one common storage facility:

Store away from oxidising agents.

Store separately from food, luxury foods and animal feed.

Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Storage class: 10 - flammable liquid, flashpoint >60°C

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS: 107-21-1 ethanediol

WEL	Short-term value: 104** mg/m ³ , 40** ppm
	Long-term value: 10* 52** mg/m ³ , 20** ppm
	Sk *particulate **vapour

Additional information: The lists that were valid during the creation were used as basis.

8.2 Exposure controls

Appropriate engineering controls No further data; see section 7.

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Do not eat or drink while working.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Do not inhale gases / fumes / aerosols.

Avoid close or long term contact with the skin.

Avoid contact with the eyes and skin.

Respiratory protection:

Not necessary if room is well-ventilated.

Use suitable respiratory protective device only when aerosol or mist is formed.

Filter A/P2

Hand protection



Protective gloves (EN 374)

Material of gloves

Use solvent/hydrocarbon resistant protective gloves in accordance with EN 374. Gloves made of the following materials are suitable: nitrile rubber (thickness > 0.38 mm, penetration time > 480 min), fluororubber (thickness > 0.38 mm, penetration time > 480 min).

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the

(Contd. on page 5)

Safety data sheet according to UK REACH

Printing date 07.04.2026

Version number 2.1 (replaces version 2.0)

Revision: 07.04.2026

Trade name: MA-LLL Long Life Liquid

(Contd. of page 4)

resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection



Safety goggles with side protection (frame goggles) (EN 166).

Body protection: Protective work clothing (EN 14605)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Colour:	Blue
Odour:	Light
Odour threshold:	Not determined
Boiling point or initial boiling point and boiling range	Not determined.
Flammability	Not applicable
Flash point:	111 °C
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined
pH at 20 °C	7.9
Solubility	
water:	Soluble.
Partition coefficient n-octanol/water (log value)	Not determined
Density and/or relative density	
Density at 20 °C:	1.1 g/cm ³
Relative density	Not determined

9.2 Other information

Appearance:	
Form:	Fluid
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Change in condition	
Softening point/range	
Oxidising properties	Non-oxidising.
Evaporation rate	Not determined

Information with regard to physical hazard classes

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void

(Contd. on page 6)

Safety data sheet according to UK REACH

Printing date 07.04.2026

Version number 2.1 (replaces version 2.0)

Revision: 07.04.2026

Trade name: MA-LLL Long Life Liquid

(Contd. of page 5)

Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity Stable under recommended storage conditions.

10.2 Chemical stability Stable under normal conditions.

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid

Heat, flames and sparks.

Keep away from strong oxidants as well as reducing agents.

10.5 Incompatible materials: acids

10.6 Hazardous decomposition products:

In case of fire:

CO₂, CO, NO_x, SO_x

Under certain conditions of fire, other toxic/irritant substances may form.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

CAS: 107-21-1 ethanediol

Oral	LD50	1,600 mg/kg (Man)
		5,840 mg/kg (rat)
Dermal	LD50	9,530 mg/kg (rabbit)

Primary irritant effect:

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure

May cause damage to the kidneys through prolonged or repeated exposure.

Aspiration hazard Based on available data, the classification criteria are not met.

(Contd. on page 7)

Safety data sheet according to UK REACH

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Version number 2.1 (replaces version 2.0)

Revision: 07.04.2026

Trade name: MA-LLL Long Life Liquid

(Contd. of page 6)

11.2 Information on other hazards**Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity**Aquatic toxicity:****CAS: 107-21-1 ethanediol**EC50 46,300 mg/kg (*Daphnia magna*) (84 h)**12.2 Persistence and degradability** No further relevant information available.**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable**vPvB:** Not applicable**12.6 Endocrine disrupting properties**

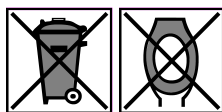
The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects Does not get into sewage at intended use.**Other information:****General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

13.1 Waste treatment methods**Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Must be specially treated adhering to official regulations.

Uncleaned packaging:**Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN number or ID number

ADR, ADN, IMDG, IATA

not regulated

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA

not regulated

(Contd. on page 8)

Safety data sheet according to UK REACH

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Revision: 07.04.2026

Trade name: MA-LLL Long Life Liquid

(Contd. of page 7)

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA
Class

not regulated

14.4 Packing group
ADR, IMDG, IATA

not regulated

14.5 Environmental hazards:

Not applicable

14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to IMO
instruments

Not applicable

Transport/Additional information:**IMDG****Limited quantities (LQ)**

not any

UN "Model Regulation":

not regulated

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation.

Hazard pictograms



GHS07 GHS08

Signal word Warning

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H373 May cause damage to the kidneys through prolonged or repeated exposure.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves / eye protection / face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P321 Specific treatment (see on this label).

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P362+P364 Take off contaminated clothing and wash it before reuse.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

GB

(Contd. on page 9)

Safety data sheet according to UK REACH

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Revision: 07.04.2026

Trade name: MA-LLL Long Life Liquid

(Contd. of page 8)

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Training hints

Upon request trainings for to ensure safety of human health and of environment can be given. Contact see below.

Independent trainings for handling of dangerous goods can be taken at established testing and monitoring organizations.

Classification according to Regulation (EC) No 1272/2008

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Contact: msds@boss-oil.de

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

*** Data compared to the previous version altered.**