

Turmogrease ALN 1001/00

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 12/16/2022

Issue date: 12/16/2022

Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form	Mixture
Product name	Turmogrease ALN 1001/00
Product code	ETA Lubricants

1.2. Recommended use and restrictions on use

Use of the substance/mixture	For professional use only
Recommended use	Lubricants, Greases and Release Products
Restrictions on use	For professional use only

1.3. Supplier

Supplier

Hilti, Inc.

Legacy Tower, Suite 1000

7250 Dallas Parkway

Plano, TX 75024

USA

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1-800-879-8000 toll free - F +1 918 254 0522

Department issuing data specification sheet

Hilti Entwicklungsgesellschaft mbH

Hiltistraße 6

Kaufering, 86916

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1.4. Emergency telephone number

Emergency number	Chem-Trec
	Tel.: 1 800 424 9300 (USA, PR, Virgin Islands, Canada)
	Tel.: 703 527 3887 (Other countries)
	+1 918 8723000
	1-800-879-8000 toll free

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Reproductive toxicity, Additional category, Effects on or via lactation	H362	May cause harm to breast-fed children.
Hazardous to the aquatic environment – Chronic Hazard, Category 3	H412	Harmful to aquatic life with long lasting effects.
Full text of H-statements: see section 16		

2.2. GHS Label elements, including precautionary statements

GHS US labelling

Hazard statements (GHS US)	H362 - May cause harm to breast-fed children. H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (GHS US)	P263 - Avoid contact during pregnancy/while nursing. P270 - Do not eat, drink or smoke when using this product. P273 - Avoid release to the environment.

2.3. Other hazards which do not result in classification

No additional information available

Turmogrease ALN 1001/00

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS-US classification
Amines, C11-14-branched alkyl, monoheptyl and diheptyl phosphates	CAS-No.: 80939-62-4	1 – 2.5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 2, H411
Alkanes, C14-17, chloro (MCCP)	CAS-No.: 85535-85-9	0.1 – 1	Carc. 2, H351 Lact., H362

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general	In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.
First-aid measures after skin contact	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	If you feel unwell, seek medical advice. Rinse mouth out with water. Drink plenty of water.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects	No information available.
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4.3. Immediate medical attention and special treatment, if necessary

No additional information available.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	Carbon dioxide. Sand. Dry powder. Foam.
Unsuitable extinguishing media	Water. Strong water jet. Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire	Carbon dioxide. Carbon monoxide.
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5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	[In case of inadequate ventilation] wear respiratory protection.
Other information	Do not dispose of fire-fighting water in the environment. Do not allow product to spread into the environment.

Turmogrease ALN 1001/00

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures Spilled material may present a slipping hazard.

6.1.1. For non-emergency personnel

Protective equipment No information available.

6.1.2. For emergency responders

Protective equipment For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter drains or water courses. Prevent liquid from entering sewers, watercourses, underground or low areas.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Absorb the liquid with an inert binder. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

6.4. Reference to other sections

No information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling Avoid contact during pregnancy/while nursing. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Hygiene measures Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions Avoid direct sunlight, high temperature, high humidity. Store in a cool place (temperature: -20 °C ~ 40 °C, humidity: 45 - 85%).

Storage area Protect from humidity and water.

Special rules on packaging Keep only in original container. Store in a closed container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Turmogrease ALN 1001/00
No additional information available
Alkanes, C14-17, chloro (MCCP) (85535-85-9)
No additional information available
Amines, C11-14-branched alkyl, monoethyl and diethyl phosphates (80939-62-4)
No additional information available

Turmogrease ALN 1001/00

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

8.2. Appropriate engineering controls

Environmental exposure controls Do not eat and do not drink during use. Do not allow product to spread into the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Safety glasses. Gloves.

Materials for protective clothing:

Butyl-rubber protective gloves. Nitrile rubber

Eye protection:

EN 166

Skin and body protection:

Wear suitable gloves

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Colour	yellow beige
Odour	There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odour: Mild odour Characteristic odour Odourless
Odour threshold	No data available
pH	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	> 300 °C
Flash point	> 200 °C
Relative evaporation rate (butylacetate=1)	No data available
Flammability (solid, gas)	No data available
Vapour pressure	< 0.1 hPa
Relative vapour density at 20°C	No data available
Relative density	No data available
Density	0.85 g/cm ³
Solubility	No data available
Partition coefficient n-octanol/water (Log Pow)	No data available
Auto-ignition temperature	No data available
Decomposition temperature	> 200 °C
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive limits	No data available
Explosive properties	No data available

Turmogrease ALN 1001/00

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Oxidising properties No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Strong acids. Strong bases.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Toxic gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified

Turmogrease ALN 1001/00	
LD50 oral rat	> 2000
LD50 dermal rat	> 2000

Alkanes, C14-17, chloro (MCCP) (85535-85-9)	
LD50 oral rat	> 4000 mg/kg bodyweight (Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 oral	15000 mg/kg
LD50 dermal rabbit	> 13500 mg/kg bodyweight (24 h, Rabbit, Read-across, Dermal)
LC50 Inhalation - Rat	> 48.17 mg/l air (1 h, Rat, Read-across, Inhalation (vapours))

Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates (80939-62-4)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg

Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified

Turmogrease ALN 1001/00

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Carcinogenicity	Not classified
Reproductive toxicity	May cause harm to breast-fed children.
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified
Viscosity, kinematic	No data available
Symptoms/effects	No information available.
Other information	No information available.

SECTION 12: Ecological information

12.1. Toxicity

Alkanes, C14-17, chloro (MCCP) (85535-85-9)	
LC50 - Fish [1]	> 5000 mg/l (Equivalent or similar to OECD 203, 96 h, Alburnus alburnus, Static system, Brackish water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	0.0059 mg/l
ErC50 algae	> 3.2 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
NOEC chronic crustacea	0.0087 mg/l
Amines, C11-14-branched alkyl, monoheptyl and diheptyl phosphates (80939-62-4)	
LC50 - Fish [1]	5.5 mg/l
EC50 72h - Algae [1]	> 10 mg/l

12.2. Persistence and degradability

Turmogrease ALN 1001/00	
Persistence and degradability	Not rapidly degradable.
Alkanes, C14-17, chloro (MCCP) (85535-85-9)	
Not rapidly degradable	
Persistence and degradability	Not readily biodegradable in the soil. Not readily biodegradable in water.

12.3. Bioaccumulative potential

Turmogrease ALN 1001/00	
Bioaccumulative potential	No additional information available.
Alkanes, C14-17, chloro (MCCP) (85535-85-9)	
BCF - Fish [1]	6660 – 9140 l/kg (OECD 305: Bioconcentration: Flow-Through Fish Test, 35 day(s), Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	4.7 – 8.3 (Experimental value, Equivalent or similar to OECD 117)
Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000).

Turmogrease ALN 1001/00

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

12.4. Mobility in soil

Turmogrease ALN 1001/00	
Additional information	No information available
Alkanes, C14-17, chloro (MCCP) (85535-85-9)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	5 – 5.2 (log Koc, Experimental value)
Ecology - soil	Low potential for mobility in soil.

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional legislation (waste)	Disposal must be done according to official regulations.
Waste treatment methods	Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID /

ADR	IMDG	IATA	RID
14.1. UN number or ID number			
Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name			
Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)			
Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards			
Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available			

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Turmogrease ALN 1001/00

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Rail transport

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory		
Contains chemical(s) subject to TSCA 12b export notification if product is shipped outside the U.S		
Alkanes, C14-17, chloro (MCCP)	CAS-No. 85535-85-9	0.1 – 1%

15.2. International regulations

Turmogrease ALN 1001/00
All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date 12/16/2022

Full text of H-statements	
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H351	Suspected of causing cancer.
H362	May cause harm to breast-fed children.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

NFPA health hazard

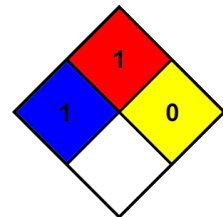
NFPA fire hazard

NFPA reactivity

1 - Materials that, under emergency conditions, can cause significant irritation.

1 - Materials that must be preheated before ignition can occur.

0 - Material that in themselves are normally stable, even under fire conditions.



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Turmogrease ALN 1001/00

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.