

Turmogrease ALN 1001/0

Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

Issue date: 16/12/2022

Revision date: 16/12/2022

Version: 1.0

SECTION 1: Product identifier

1.1. GHS Product identifier

Product form	Mixture
Product name	Turmogrease ALN 1001/0
Product code	ETA Lubricants

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use	Lubricants, Greases and Release Products
Restrictions on use	For professional use only

1.4. Details of manufacturer or importer

Supplier

Hilti (Aust.) Pty. Ltd.
Level 5, 1G Homebush Bay Drive
P.O. Box 3217
Rhodes NSW 2138
Australia
T +61 131 292 - F +61 1300 135 042
serviceaustralia@hilti.com

Department issuing data specification sheet:

Hilti Entwicklungsgesellschaft mbH
Hiltistraße 6
Kaufering 86916
Deutschland
T +49 8191 906876
anchor.hse@hilti.com

1.5. Emergency phone number

Emergency number	Schweizerisches Toxikologisches Informationszentrum – 24h Service +41 44 251 51 51 (international) +61 2 8748 1000
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SECTION 2: Hazard identification

2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Reproductive toxicity, Additional category, Effects on or via lactation	H362
Hazardous to the aquatic environment – Chronic Hazard, Category 3	H412

2.2. GHS Label elements, including precautionary statements

Signal word (GHS AU)	-
Contains	Amines, C11-14-branched alkyl, monoheptyl and diheptyl phosphates (1 – 2.5 %); Alkanes, C14-17, chloro (MCCP) (0.1 – 1 %)
Hazard statements (GHS AU)	H362 - May cause harm to breast-fed children H412 - Harmful to aquatic life with long lasting effects
Precautionary statements (GHS AU)	P263 - Avoid contact during pregnancy and 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

SECTION 3: Composition and information on ingredients

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Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Amines, C11-14-branched alkyl, monoheptyl and diheptyl phosphates	80939-62-4	1 – 2.5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Aquatic Chronic 2, H411
Alkanes, C14-17, chloro (MCCP)	85535-85-9	0.1 – 1	Lact., H362 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

SECTION 4: First aid measures

4.1. Description of necessary 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. Symptoms caused by exposure

Symptoms/effects	No information available.
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4.3. Medical attention and special treatment

Other medical advice or treatment	No additional information available.
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SECTION 5: Fire-fighting measures

5.1. 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

General measures	Spilled material may present a slipping hazard.
Hazardous decomposition products in case of fire	Carbon dioxide. Carbon monoxide.

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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Spilled material may present a slipping hazard.
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6.1.1. For non-emergency personnel

Protective equipment	No information available.
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6.1.2. For emergency responders

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

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6.3. Methods and materials 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.

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 and personal protection

8.1. Control parameters - exposure standards

No additional information available

8.2. Biological Monitoring

No additional information available

8.3. Engineering controls

No additional information available

8.4. Individual protection measures, such as personal protective equipment (PPE)

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)



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

Consumer exposure controls Avoid contact during pregnancy/while nursing.

SECTION 9: Physical and chemical properties

Physical state Liquid

Appearance No data available

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

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pH	No data available
pH solution	No data available
Relative evaporation rate (butylacetate=1)	No data available
Melting point / Freezing point	No data available
Boiling point	> 300 °C
Flash point	> 200 °C
Auto-ignition temperature	No data available
Decomposition temperature	> 200 °C
Flammability	No data available
Vapour pressure	Vapour pressure: < 0.1 hPa
Relative density	No data available
Density	Density: 0.85 g/cm ³
Solubility	No data available
Partition coefficient n-octanol/water (Log Pow)	No data available
Explosive properties	No data available
Explosive limits	No data available
Minimum ignition energy	No data available
Fat solubility	No data available

SECTION 10: Stability and reactivity

Reactivity	No additional information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Strong acids. Strong bases.
Conditions to avoid	No information available.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon dioxide. Carbon monoxide. Toxic gases.

SECTION 11: Toxicological information

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

Turmogrease ALN 1001/0	
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, monoethyl and diethyl 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
Carcinogenicity	Not classified
Reproductive toxicity	May cause harm to breast-fed children.
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified

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Aspiration hazard	Not classified
Other information	No information available

SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute)	Not classified
Hazardous to the aquatic environment, long-term (chronic)	Harmful to aquatic life with long lasting effects.

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
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)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	5 – 5.2 (log Koc, Experimental value)
Amines, C11-14-branched alkyl, monoethyl and diethyl phosphates (80939-62-4)	
LC50 - Fish [1]	5.5 mg/l

12.2. Persistence and degradability

Turmogrease ALN 1001/0	
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 1001/0	
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)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	5 – 5.2 (log Koc, Experimental value)
Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000).

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12.4. Mobility in soil

Turmogrease ALN 1001/0	
Additional information	No information available
Alkanes, C14-17, chloro (MCCP) (85535-85-9)	
Ecology - soil	Low potential for mobility in soil.
Partition coefficient n-octanol/water (Log Pow)	4.7 – 8.3 (Experimental value, Equivalent or similar to OECD 117)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	5 – 5.2 (log Koc, Experimental value)

12.5. Other adverse effects

Ozone	Not classified
Other adverse effects	No additional information available

SECTION 13: Disposal considerations

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

Rail transport

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

Australian Industrial Chemicals Introduction Scheme (AICIS)

Australian Inventory of Industrial Chemicals (AICIS Inventory) status Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

15.2. International agreements

No additional information available

SECTION 16: Other information

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Classification	
Lact.	H362
Aquatic Chronic 3	H412

Full text of H-statements	
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Lact.	Reproductive toxicity, Additional category, Effects on or via lactation
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H315	Causes skin irritation
H319	Causes serious eye irritation
H362	May cause harm to breast-fed children
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

SDS_AU_Hilti

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.