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Safety Data Sheet

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1	SECTION 1	Identification of the substance
1.1	Product	Turmoplex L 5002 MG
1.2	Relevant uses	Lubricants, greases, release products.
1.3	Manufacturer/Supplier	LUBCON Turmo Lubrication, Inc. Tel: +1 616 575 6034 5460 33 rd Street SE Fax: +1 616 575 6062 Grand Rapids, MI 49512 USA
1.4	Emergency	Tel: +1 616-635-1375
2	SECTION 2	Hazards identification
2.1	Classification of substance	None
2.2	Label elements	Labelling (67/548/EEC or 1999/45/EC): Special provisions concerning the labelling of certain mixtures 99 Contains Amines, C₁₂₋₁₄-alkyl, reaction products with hexanol, phosphorus oxide (P2O5), phosphorus sulfide (P2S5) and propylene oxide. May produce an allergic reaction. 101 Safety data sheet available for professional user on request. Labelling according to Regulation (EC) No. 1272/2008 [CLP]: Special rules for supplemental label elements for certain mixtures EUH208 Contains Amines, C₁₂₋₁₄-alkyl, reaction products with hexanol, phosphorus oxide (P2O5), phosphorus sulfide (P2S5) and propylene oxide. May produce an allergic reaction. EUH210 Safety data sheet available on request.
2.3	Other hazards	None
3	SECTION 3	Composition
3.1	Mixtures	Hazardous ingredients: Phosphorodithioic acid, O,O-di-C₁₋₁₄-alkyl esters, zinc salt; EC No.: 272-028-3; CAS No.: 68649-42-3 Weight fraction: 1 – 2.5 % Classification 67/548/EEC: R52/53 Xi; R36 Xi; R38 Classification 1271/2008 [CLP]: Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Chronic 2; H411 Amines, C₁₂₋₁₄-alkyl, reaction products with hexanol, phosphorus oxide (P2O5), phosphorus sulfide (P2S5) and propylene oxide; EC No: 294-716-2; CAS No.: 91745-46-9 Weight fraction: < 0.5 % Classification 67/548/EEC: N; R51/53 R43 Classification 1271/2008 [CLP]: Skin Sens. 1; H317 Aquatic Chronic 2; H411 (Z)-N-9-octadecenylpropane-1,3-diamine; EC No.: 230-528-9; CAS No.: 7173-62-8 Weight fraction: < 0.5 % Classification 67/548/EEC: N; R50 R53 Xi; R41 Xi; R38 Classification 1271/2008 [CLP]: Eye Dam. 1; H318 Skin Irrit. 2; H315 Aquatic Acute 1; H400 Aquatic Chronic 4; H413 Further ingredients DESTILLATES (PETROLEUM), HYDRODESULFURIZED MIDDLE /GASOIL - UNSPECIFIED; EC No.: 265-183-3; CAS No.: 64742-80-9 Weight fraction: 50 - 100 % Metallic soap Molybdenum disulphide; EC No.: 215-263-9; CAS No.: 1317-33-5 GRAPHITE; REACH registration No.: Annex IV; EC No.: 231-955-3; CAS No.: 7782-42-5 Additives (non-hazardous, disclosure not required) Additional information: Full text of R-, H- and EUH-phrases: see section 16.
4	SECTION 4	First aid measures
4.1	First aid measures	General: When in doubt or if symptoms are observed, get medical advice. Inhalation: Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. In case of respiratory tract irritation, consult a physician. Skin contact: Remove contaminated, saturated clothing immediately. Wash immediately with: Water and soap. In case of skin irritation, consult a physician. Eye contact: Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist. Ingestion: Rinse mouth immediately and drink plenty of water. Let water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.
4.2	Symptoms and effects	No information available.
4.3	Indication medical attention	None

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Safety Data Sheet – SDS

5	SECTION 5	Firefighting measures
5.1	Extinguishing media	Dry extinguishing powder. Carbon dioxide (CO ₂). ABC-powder BC-powder Foam. Dry sand. Unsuitable extinguishing media: Water. Strong water jet. High power water jet.
5.2	Special hazards from substance	Hazardous combustion products: Carbon monoxide. Carbon dioxide (CO ₂). Burning produces heavy smoke.
5.3	Advice for fire fighters	Use suitable breathing apparatus.
5.4	Additional information	Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
6	SECTION 6	Accidental release measures
		Special danger of slipping by leaking/spilling product.
6.1	Personal precautions	None
6.2	Environmental precautions	Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Ensure waste is collected and contained. Make sure spills can be contained, e.g. in sump pallets or kerbed areas.
6.3	Containment and cleaning	Take up mechanically, placing in appropriate containers for disposal. Soak up inert absorbent and dispose as waste requiring special attention. Suitable material for taking up: Universal binder Kieselguhr.
6.4	Reference to other sections	None
7	SECTION 7	Handling and storage
7.1	Precautions for safe handling	Protective measures: It is recommended to design all work processes always so that the following is excluded: Generation/formation of mist. Avoid inhalation of vapors or spray/mists. Skin contact. Eye contact. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.
7.2	Conditions for safe storage	Storage class: 11 Storage class (TRGS 510): 11 Keep away from: Food and feedingstuffs Further information on storage conditions: Keep/Store only in original container. Keep container tightly closed. Protect against UV-radiation/sunlight. Humidity. Contact with air/oxygen. Dust deposits.
7.3	Specific use	None
8	SECTION 8	Exposure controls/personal protection
		Keep away from: Food and feeding stuffs. Wash hands before breaks and after work. Take the precautions customary when handling chemicals. Change contaminated, saturated clothing. Keep away from sources of ignition. - No smoking.
8.1	Control parameters	None
8.2	Exposure controls	Personal protection equipment: Eye/face protection: Avoid eye contact. Eye protection: Not applicable. Recommended eye protection articles: DIN EN 166 Skin protection: Hand protection is not required. By long-term hand contact: Wear suitable gloves. Suitable material: NBR (Nitrile rubber). Butyl caoutchouc (butyl rubber). Recommended glove articles: DIN EN 374; DIN EN 420 Respiratory protection: No special measures are necessary. Avoid: Inhalation of vapors or spray/mists.
9	SECTION 9	Physical and chemical properties
9.1	Physical and chemical properties	Color: black Physical state: pasty Boiling point at 1013 hPa: > 300 °C (572 °F) Decomposition at 1013 hPa: > 300 °C (572 °F) Flash point at 1013 hPa: > 260 °C (500 °F) Vapor pressure at 50 °C (122 °F): < 0.1 hPa Density at 20 °C (68 °F): = 0.91 g/cm ³
9.2	Other information	None
10	SECTION 10	Stability and reactivity
10.1	Reactivity	No information available.
10.2	Chemical stability	The product is stable.
10.3	Hazardous reactions	Strong acid.
10.4	Conditions to avoid	No information available.
10.5	Incompatible materials	Oxidizing agent, strong.
10.6	Hazardous decomposition	Carbon monoxide. Sulphur dioxide (SO ₂). Carbon dioxide (CO ₂). Gases/vapors, harmful.

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11	SECTION 11	Toxicological information
11.1	Toxicological effects	By analogy; Acute oral toxicity: Parameter: LD₅₀ Species: Rat Exposure route: Oral Effective dose: > 5,000 mg/kg Acute dermal toxicity: Parameter: LD₅₀ Species: Rabbit Exposure route: Dermal Effective dose: > 3,000 mg/kg
12	SECTION 12	Ecological information
12.1	Toxicity	No information available.
12.2	Persistence and degradabi.	Not readily biodegradable (according to OECD criteria).
12.3	Bio-accumulative potential	No information available.
12.4	Mobility in soil	No information available.
12.5	PBT and vPvB assessment	No information available.
12.6	Other effects	No information available.
12.7	Ecological information	According to its formulation, the product contains the following substances of Directive 76/464/EEC: MOLYBDENUM COMPOUNDS, INSOLUBLE
12.8	Overall evaluation	If product enters soil, it will be mobile and may contaminate groundwater. In accordance with the required stability them product is poorly biodegradable.
13	SECTION 13	Disposal considerations
		Dispose according to legislation. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.
13.1	Waste treatment	Send to a hazardous waste incinerator facility under observation of official regulations. Collect the waste separately. Evidence for disposal must be provided.
14	SECTION 14	Transport information
14.1	UN number	No dangerous goods in sense of this transport regulation.
14.2	UN shipping name	No dangerous goods in sense of this transport regulation.
14.3	Transport hazard class/es	No dangerous goods in sense of this transport regulation.
14.4	Packing group	No dangerous goods in sense of this transport regulation.
14.5	Environmental hazards	No dangerous goods in sense of this transport regulation.
14.6	Special precautions	None
15	SECTION 15	Regulatory information
15.1	Safety, health and environmental regulations	National regulations Water hazard class (WGK): Class: 2 (Hazardous to water) Classification according to VwVwS
15.2	Chemical safety	No information available.
16	SECTION 16	Other information
16.1	Indication of changes	None
16.2	Abbreviations/acronyms	None
16.3	Key literature references	None

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Safety Data Sheet – SDS

16.4	R-, H- and EUH-phrases	H315 H317 H318 H319 H400 H411 H413	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Causes serious eye irritation. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects. May cause long lasting harmful effects to aquatic life.
		36 38 41 43 50 51/53 52/53 53	Irritating to eyes. Irritating to skin. Risk of serious damage to eyes. May cause sensitization by skin contact. Very toxic to aquatic organisms. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. May cause long-term adverse effects in the aquatic environment.
16.5	Training advice	None	
16.6	Additional information	None	

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