



Release date: 09/24/2018

Safety Data Sheet

Validation date: 5/15/2024

1	SECTION 1	Identification of the substance								
1.1	Product	Turmocut LMI 22								
1.2	Relevant uses	Lubricants, greases, release products (complies with FDA 21 CFR 178.3570 (H-1)).								
1.3	Manufacturer/ Supplier	LUBCON Turmo Lubrication, Inc. 5460 33 rd Street SE Grand Rapids, MI 49512 USA	Tel: +1 616 575 6034 Fax: +1 616 575 6062	US Distributor Fuchs Lubricants Co. 17050 Lathrop Avenue Harvey, IL 60426 (708) 333-8900 (800) 255-3924 24 hrs Emergency						
1.4	Emergency	Tel: +1 616-635-1375								
2	SECTION 2	Hazards identification								
2.1	Classification of substance	No applicable GHS categories.								
2.2	Label elements	Using the toxicity data listed in section 11 and 12 the product is labeled as follows: No applicable GHS categories. Prevention: No GHS prevention statements. Response: No GHS response statements. Storage: No GHS storage statements. Disposal: No GHS disposal statements.								
2.3	Other hazards	No information available.								
3	SECTION 3	Composition								
3.1	Mixtures	<p>This product is considered a mixture.</p> <table><tr><th>Chemical Name</th><th>CAS-No.</th><th>Weight %*</th></tr><tr><td>No reportable/hazardous ingredients</td><td>-</td><td>-</td></tr></table> <p>[1] Substance classified with a health or environmental hazard. [2] Substance with a workplace exposure limit. [3] PBT-substance or vPvB-substance.</p> <p>Further ingredients: Ester oil Additives (non-hazardous, disclosure not required)</p> <p>Additional information Full text of H- and EUH-phrases: see section 16.</p> <p>*The exact percentage (concentration) of composition has been withheld as a trade secret.</p>			Chemical Name	CAS-No.	Weight %*	No reportable/hazardous ingredients	-	-
Chemical Name	CAS-No.	Weight %*								
No reportable/hazardous ingredients	-	-								
4	SECTION 4	First aid measures								
		General: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.								
4.1	First aid measures	Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing becomes difficult, get medical attention. Eyes: Flush with copious amounts of water for at least 15 minutes, lifting eyelids for maximum effectiveness. Get medical attention if irritation persists. Skin: Wipe excess away with a dry towel, and wash with soap and water. Remove contaminated clothing and shoes. If a rash or skin irritation occurs, contact a physician. Ingestion: If swallowed, rinse mouth with water. Do NOT induce vomiting. Consult a physician/poison control center if you feel unwell. Never give anything by mouth to an unconscious person.								
4.2	Symptoms and effects	Inhalation: Mists may cause irritation of the respiratory tract. Eyes: May cause mild eye irritation. Skin: May cause mild skin irritation upon prolonged or repeated contact. Ingestion: May cause gastrointestinal distress.								
4.3	Indication medical attention	Treat symptomatically and supportively.								
5	SECTION 5	Firefighting measures								
5.1	Extinguishing media	Suitable extinguishing media: Water spray, dry chemical, alcohol foam, or carbon dioxide. Unsuitable extinguishing media: Water jet.								
5.2	Special hazards from substance	Closed containers may explode due to the buildup of pressure when exposed to extreme heat. Under fire conditions, product may undergo thermal decomposition and emit toxic fumes of COx.								
5.3	Advice for fire fighters	Full protective equipment including self-contained breathing apparatus and protective clothing should be used. Water may be used to cool containers to prevent pressure buildup and possible rupture when exposed to extreme heat. If possible, water contaminated by this material should be contained and prevented from being discharged to any waterway, sewer, or drain to avoid environmental contamination.								

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6	SECTION 6	Accidental release measures											
6.1	Personal precautions	Product is slippery. Avoid falls. Avoid contact with skin and eyes. Wear protective gloves, eye protection, and face protection. Keep people away from and upwind of spill/leak. Ensure adequate ventilation, especially in confined areas.											
6.2	Environmental precautions	Avoid dispersal of spilled material or runoff and prevent contact with soil and entry into drains, sewers, and waterways.											
6.3	Containment and cleaning	Cover drains and contain spill. Take up with inert absorbent material (e.g. vermiculite, general purpose binder). Shovel or sweep up product and place into an approved container for proper disposal. Wash walking surfaces with detergent and water to reduce slipping hazard. Dispose of material in accordance with local, state and federal regulations.											
6.4	Reference to other sections	See section 13 for any additional waste treatment or disposal information.											
7	SECTION 7	Handling and storage											
7.1	Precautions for safe handling	Avoid contact with skin and eyes. Wear protective gloves, eye protection, and face protection. Keep people away from and upwind of spill/leak. Ensure adequate ventilation, especially in confined areas. Wash contaminated clothing and shoes before reuse.											
7.2	Conditions for safe storage	Store in a cool, dry, and well-ventilated area away from incompatible materials (see Section 10.5). Keep container tightly closed. Protect containers from physical damage. Containers may be hazardous when empty as they contain product residues.											
7.3	Specific use	Apart from uses mentioned in Section 1.2, no other uses are specified.											
8	SECTION 8	Exposure controls/personal protection											
8.1	Control parameters	<table><tr><th>Chemical Name</th><th>ACGIH TLV</th><th>OSHA PEL</th><th>NIOSH IDLH</th></tr><tr><td>None</td><td>-</td><td>-</td><td>-</td></tr></table>				Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	None	-	-	-
		Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH								
		None	-	-	-								
ACGIH: (American Conference of Governmental Industrial Hygienists) OSHA: (Occupational Safety & Health Administration) NIOSH IDLH: Immediately Dangerous to Life or Health													
8.2	Exposure controls	Safety measures and appropriate working conditions should be given priority, with use of personal protective equipment a secondary measure. Use adequate ventilation to reduce the exposure of mists or vapors. Facility should be equipped with an eyewash station and safety shower. Personal Protective Equipment (PPE): Hand Protection: Wear gloves recommended by glove supplier as impervious to materials in Section 3. Eye/Face Protection: Wear protective goggles or safety glasses with side shields and/or full face shield. Skin and body protection: Wear protective clothing. Respiratory protection: None required under normal conditions. If ventilation is limited or use may generate aerosols or mists, use full-face respirator with multi-purpose cartridges. Hygiene measures: Avoid contact with eyes or skin. Wash hands thoroughly after use and before eating, drinking or bathroom use.											
9	SECTION 9	Physical and chemical properties											
9.1	Physical and chemical properties	Color: clear/transparent Physical state: liquid Boiling point at 1013 hPa: > 280 °C (536 °F) Decomposition at 1013 hPa: Not measured. Flash point at 1013 hPa: ~ 260 °C (500 °F) Vapor pressure at 20 °C (68 °F): < 0.01 mmHg Density at 25 °C (77 °F): = 0.94 g/cm³ Viscosity 40 °C (104 °F): = 20 mm²/s Viscosity 100 °C (212 °F): = 5 mm²/s											
9.2	Other information	No data available.											
10	SECTION 10	Stability and reactivity											
10.1	Reactivity	None known.											
10.2	Chemical stability	Product is stable under ordinary conditions of use and storage.											
10.3	Hazardous reactions	Will not occur under ordinary conditions of use and storage.											
10.4	Conditions to avoid	Exposure to moist air or water, extreme heat, contact with incompatibles.											
10.5	Incompatible materials	Strong oxidizers, strong acids.											
10.6	Hazardous decomposition	Thermal decomposition may produce toxic fumes of COx.											
11	SECTION 11	Toxicological information											
11.1	Toxicological effects	Acute toxicity: Product is safe for intended use based on the formulation, testing results and the long history of safe consumer use.											
		<table><tr><th>Chemical Name</th><th>LD50 Oral</th><th>LD50 Dermal</th><th>Inhalation Dust/Mist LD50, mg/L/4hr</th></tr><tr><td>-</td><td>> 5,000 mg/kg, Rat Category: NA</td><td>> 2,000 mg/kg, Rabbit Category: NA</td><td>N/A</td></tr></table>				Chemical Name	LD50 Oral	LD50 Dermal	Inhalation Dust/Mist LD50, mg/L/4hr	-	> 5,000 mg/kg, Rat Category: NA	> 2,000 mg/kg, Rabbit Category: NA	N/A
		Chemical Name	LD50 Oral	LD50 Dermal	Inhalation Dust/Mist LD50, mg/L/4hr								
		-	> 5,000 mg/kg, Rat Category: NA	> 2,000 mg/kg, Rabbit Category: NA	N/A								
Information on toxicological effects Symptoms: No information available.													
Delayed and immediate effects as well as chronic effects from short and long-term exposure Skin corrosion/irritation: Non-irritating.													



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		<div>Eye damage/irritation: Non-irritating.</div> <div>Sensitization: No effects known</div> <div>Germ Cell Mutagenicity: No information available.</div> <div>Carcinogenicity: No information available.</div> <div>Reproductive toxicity: No information available.</div> <div>Specific target organ systemic toxicity (single exposure) No effects known</div> <div>Specific target organ systemic toxicity (repeated exposure) No information available.</div> <div>Chronic toxicity: No information available.</div> <div>Target Organ: No information available.</div> <div>Aspiration hazard: No effects known.</div>								
11.2	Further Information	This material is not listed as a carcinogen by IARC, ACGIH, NTP, or OSHA. No data is available regarding the mutagenicity or teratogenicity of this material in humans, nor is there available data that indicates that it causes adverse development or fertility effects in humans. Handle in accordance with good industrial hygiene and safety practice.								
12	SECTION 12	Ecological information								
12.1	Toxicity	<table><tr><th>Chemical Name</th><th>Toxicity to algae ErC50 algae, mg/l</th><th>Toxicity to fish 96 hr LC50 fish, mg/l</th><th>Toxicity to daphnia and other aquatic invertebrates 48 hr EC50 crustacea, mg/l</th></tr><tr><td></td><td>N/A</td><td>Rainbow trout: > WSL</td><td>N/A</td></tr></table>	Chemical Name	Toxicity to algae ErC50 algae, mg/l	Toxicity to fish 96 hr LC50 fish, mg/l	Toxicity to daphnia and other aquatic invertebrates 48 hr EC50 crustacea, mg/l		N/A	Rainbow trout: > WSL	N/A
Chemical Name	Toxicity to algae ErC50 algae, mg/l	Toxicity to fish 96 hr LC50 fish, mg/l	Toxicity to daphnia and other aquatic invertebrates 48 hr EC50 crustacea, mg/l							
	N/A	Rainbow trout: > WSL	N/A							
12.2	Persistence and degradabi.	Product is readily biodegradable. Eliminability: ~76% in 28d								
12.3	Bio-accumulative potential	Not expected to bioaccumulate.								
12.4	Mobility in soil	No information available.								
12.5	PBT and vPvB assessment	No information available.								
12.6	Other effects	Do not allow material to run into surface waters, wastewater, or soil.								
12.7	Ecological information	None								
13	SECTION 13	Disposal considerations								
		Dispose of in accordance with local, state, provincial and national disposal regulations. Containers may be hazardous when empty as they contain product residues. This material, as sold, is not considered a hazardous waste under RCRA 40 CFR 261.								
13.1	Waste treatment	Observe all federal, state and local regulations when disposing of this substance.								
14	SECTION 14	Transport information								
14.1	UN number	Not classified as dangerous in transport								
14.2	UN shipping name	Not classified as dangerous in transport								
14.3	Transport hazard class/es	DOT Ground IATA IMDG Not applicable. Not applicable. Not applicable.								
14.4	Packing group	No dangerous goods in sense of this transport regulation.								
14.5	Environmental hazards	Land transport (DOT): Sea transport (IMDG): Air transport (ICAO-TI / IATA-DGR): No No No								
14.6	Special precautions	None								
15	SECTION 15	Regulatory information								
15.1	Safety, health and environmental regulations	Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. Toxic Substance Control Act (TSCA) All components of this material are either listed or exempt from listing on the TSCA Inventory. WHMIS Classification Not regulated.								

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		<p>US EPA Tier II Hazards</p> <p>Fire: No</p> <p>Sudden Release of Pressure: No</p> <p>Reactive: No</p> <p>Immediate (Acute): No</p> <p>Delayed (Chronic): No</p> <p>EPCRA 311/312 Chemicals and RQs: To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.</p> <p>EPCRA 302 Extremely Hazardous: To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.</p> <p>EPCRA 313 Toxic Chemicals: To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.</p> <p>Proposition 65 - Carcinogens (>0.0%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.</p> <p>Proposition 65 - Developmental Toxins (>0.0%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.</p> <p>Proposition 65 - Female Repro Toxins (>0.0%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.</p> <p>Proposition 65 - Male Repro Toxins (>0.0%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.</p> <p>N.J. RTK Substances (>1%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.</p> <p>Penn RTK Substances (>1%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.</p>
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
16.4	R-, H- and EUH-phrases	None
16.5	Training advice	None
16.6	Additional information	None
<p>The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or any process, unless specified in the text. The company is not responsible for any loss or damage by the use of the product in applications for which it was not intended or for conditions of use contrary to the recommendations in this Safety Data Sheet. All data refer to the product in the delivering condition. Former versions of this safety data sheet are no longer valid.</p>		