

MATERIAL SAFETY DATA SHEET

Product name: Turmopol Oil 20HD
Description: Synthetic Gear Oil
Supplier: Hilti, Inc. P.O. Box 21148, Tulsa, OK 74121
Emergency # (Chem-Trec.): 1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (other countries)

COMPOSITION / EXPOSURE LIMITS

Hazardous Ingredients:	CAS Number:	TLV:	PEL:	STEL:
Polyoxylalkylene	9039-95--0	NE	NE	NE

PEL = OSHA Permissible Exposure Limit. TLV = ACGIH Threshold Limit Value. These are 8 hour time-weighted averages unless otherwise indicated by "C" (Ceiling) or "STEL" (Short Term Exposure Limit). NE = None Established.

PHYSICAL DATA

Appearance:	Reddish brown liquid	Odor:	Neutral odor
Vapor Density: (air = 1)	Not determined	Vapor Pressure:	15 mbar at 50° C
Boiling Point:	Not determined	VOC Content:	9 g/l
Evaporation Rate:	Not determined	Solubility in Water:	Soluble
Specific Gravity:	1.0	pH:	7

FIRE AND EXPLOSION HAZARD DATA

Flash Point:	> 250° C	Flammable Limits:	Not applicable
Extinguishing Media:	Water spray, dry chemical, foam or carbon dioxide.		
Special Fire Fighting Procedures:	None known.		
Unusual Fire and Explosion Hazards:	None known or expected.		

REACTIVITY DATA

Stability:	Stable.	Incompatibility:	Strong oxidizers.
Hazardous Polymerization:	Will not occur.		
Decomposition Products:	Thermal decomposition products can be produced when subjected to combustion; e.g. carbon monoxide and carbon dioxide.		
Conditions to Avoid:	Contact with strong oxidizers.		

HEALTH HAZARD DATA

Known Hazards:	Can cause eye and skin irritation. Prolonged and repeated overexposure to oils and greases can lead to dermatitis.		
Signs and Symptoms of Exposure:	None expected. Chronic skin exposure can cause dermatitis.		
Routes of Exposure:	Dermal.		
Carcinogenicity:	No ingredients are classified as a carcinogen by IARC, NTP or OSHA.		

**Medical Conditions
Aggravated by Exposure:**

None anticipated.

EMERGENCY AND FIRST AID PROCEDURES

Eyes:	Flush with plenty of water.
Skin:	Wash with soap and water. Launder contaminated clothing before reuse.
Inhalation:	Move victim to fresh air.
Ingestion:	Do not induce vomiting unless directed by a physician. Seek medical attention.
Other:	Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure.

CONTROL MEASURES AND PERSONAL PROTECTIVE EQUIPMENT

Ventilation:	General (natural or mechanically induced fresh air movements).
Eye Protection:	Safety glasses are required in most industrial settings.
Skin Protection:	Not required. Gloves recommended.
Respiratory Protection:	Not required.

PRECAUTIONS FOR SAFE HANDLING AND USE

Handling and Storing Precautions:	Avoid prolonged or repeated contact with skin. Avoid high temperatures. Water contamination should be avoided.
Spill Procedures:	Wipe up or absorb on suitable material. Keep away from sanitary sewers and other waterways.

REGULATORY INFORMATION

Hazard Communication:	This MSDS has been prepared in accordance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200.
HMIS Codes:	Health 1, Flammability 1, Reactivity 0, PPE A
DOT Shipping Name:	Not regulated.
ICAO / IATA Shipping Name:	Not regulated.
TSCA Inventory Status:	Chemical components listed on TSCA inventory.
SARA Title III, Section 313:	This product does not contain any ingredients which are subject to reporting under Section 313 of SARA Title III (40 CFR Part 372).
EPA Waste Code(s):	Not regulated by EPA as a hazardous waste.
Waste Disposal Methods:	Consult with regulatory agencies or your corporate personnel for disposal methods that comply with local, state, and federal safety, health and environmental regulations.

CONTACTS

Customer Service:	1 800 879 8000	Technical Service:	1 800 879 8000
Health / Safety:	1 800 879 6000	Jerry Metcalf	(x6704)
Emergency # (Chem-Trec):	1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (other countries)		

The information and recommendations contained herein are based upon data believed to be correct; however, no guarantee or warranty of any kind expressed or implied is made with respect to the information provided.