



MATERIAL SAFETY DATA SHEET

Product name: Air Tool Lubricant
Description: Petroleum based hydraulic oil
Supplier: Hilti, Inc. P.O. Box 21148, Tulsa, OK 74121; phone 1800 879 8000
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:
Petroleum oils, hydrotreated, spent	64742-58-1	5.0 mg/m ³ *	5.0 mg/m ³ *	NE
Petroleum oils, clay treated	64742-62-7	5.0 mg/m ³ *	5.0 mg/m ³ *	NE

Abbreviations: 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. * indicates "as oil mist".

PHYSICAL DATA

Appearance:	Pale amber liquid	Odor:	Petroleum odor
Vapor Density:	> 8 (Air = 1)	Vapor Pressure:	< 0.1 @ 100° F
Boiling Point:	Wide range	VOC Content:	Negligible
Evaporation Rate:	< 1 (n-butyl acetate = 1)	Solubility in Water:	Negligible
Specific Gravity:	0.9	pH:	Not determined

FIRE AND EXPLOSION HAZARD DATA

Flash Point:	415°F, COC	Flammable Limits:	Not applicable
Extinguishing Media:	CO ₂ , Dry Chemical, Foam		
Special Fire Fighting Procedures:	A self-contained breathing apparatus should be worn when fighting fires involving chemicals.		
Unusual Fire and Explosion Hazards:	None known. Thermal decomposition products can be formed. See below.		

REACTIVITY DATA

Stability:	Stable.
Hazardous Polymerization:	Will not occur.
Incompatibility:	Strong oxidizers such as chlorine, sodium hypochlorite and calcium hypochlorite.
Decomposition Products:	Thermal decomposition can yield dense smoke, carbon monoxide and oxides of sulfur.
Conditions to Avoid:	Contact with strong oxidizers.

HEALTH HAZARD DATA

Known Hazards:	Can cause eye irritation. Prolonged and repeated overexposure to oils can lead to skin irritation and dermatitis.
Signs and Symptoms of Exposure:	None expected. Exposure to oil mists can cause respiratory irritation. Chronic exposure to the skin can cause dermatitis.
Routes of Exposure:	Dermal. Inhalation.
Carcinogenicity:	No ingredients are classified as a carcinogen by IARC, NTP or OSHA.
Medical Conditions Aggravated by Exposure:	Eye, skin, and respiratory conditions.

EMERGENCY AND FIRST AID PROCEDURES

Eyes:	Flush with plenty of water. Call a physician if symptoms occur.
Skin:	Wash with soap and water. Launder contaminated clothing before reuse.
Inhalation:	Not considered a route of exposure. Product has a low vapor pressure.
Ingestion:	Do not induce vomiting unless directed by a physician. Seek medical attention. (Note to physician: If aspirated into the lungs, can cause chemical pneumonitis).
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 normally required. If exposure to mist is likely, use a NIOSH-approved dust/mist respirator.

PRECAUTIONS FOR SAFE HANDLING AND USE

Handling and Storing Precautions:	Avoid prolonged or repeated contact with skin. Avoid breathing mists or vapor. Avoid high temperatures. Water contamination should be avoided.
Spill Procedures:	For small spills, wipe away with an absorbent cloth. For larger spills, absorb with inert material. Sweep or scoop up and discard. Prevent spread of spill into sewers and watercourses.

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.
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.