

Hazard Identification:

# **SAFETY DATA SHEET**

Page 1 of 6 HFT-60234

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards

SDS Revision: 1.0

SDS Revision Date: 5/13/2015

1.1 Product Name	800 LB LOW LIFT TRANSMISSION JACK	
1.2 Chemical Nam	Hydraulic Oil	
1.3 Synonyms:	P/N 60234	
1.4 Trade Names:	Pittsburgh Automotive	
1.5 Product Uses	Restrictions: Hydraulic Oil	
1.6 Distributor's Na	e: Harbor Freight Tools USA, Inc.	
1.7 Distributor's Ad	ess: 26541 Agoura Road, Calabasas, CA 91302 USA	
1.8 Emergency Ph	E CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300 (CCN 676687)	
1.9 Business Phor	(Fax: +1 (805) 388-1000	

### 2. HAZARDS IDENTIFICATION

This product is classified as a HAZARDOUS SUBSTANCE but not as DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia). DANGER! MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. Classification: Asp. Tox. 1 Hazard Statements (H): H304 – May be fatal if swallowed and enters airways. Precautionary Statements (P): P280 - Wear protective gloves/eye protection. P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor. P331 - Do NOT induce vomiting. P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. P405 - Store locked up. P501 - Dispose of contents/ container to an approved waste disposal plant.



## 3. COMPOSITION & INGREDIENT INFORMATION

						EXPOSURE LIMITS IN AIR (mg/m³)							
					AC	GIH		NOHSC			OSHA		
					pp	m		ppm			ppm		
							ES-	ES-	ES-				
CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	TWA	STEL	PEAK	PEL	STEL	IDLH	OTHER
DIOTILI ATEO (DETDOL ELIMA)	64741-51-4	NA	NA	60-100	NA	5	5	NF	NF	5	NA	NA	OIL MIST
DISTILLATES (PETROLEUM), PARAFFINIC	Asp. Tox.1: H3	304											

#### Asp. Tox.1; H304

# 4 FIRST AID MEASURES

		4. FIRST AID MEASURES
4.1	First Aid:	Ingestion: DO NOT INDUCE VOMITING. Contact ChemTrec at +1 (703) 527-3887 or the nearest Poison Control Center or local emergency telephone number for assistance and instructions. Seek immediate medical attention. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.
		Eyes: If product gets in the eyes, flush eyes thoroughly with copious amounts of water for at least 15 minutes, holding eyelid(s) open to ensure complete flushing. If the eyes or face become swollen during or following use, consult a physician or emergency room immediately.
		Skin: Remove contaminated clothing and wash affected areas with soap and water. If irritation persists, seek prompt medical attention. Do not wear contaminated clothing until after it has been properly cleaned.
		Inhalation: Remove victim to fresh air at once. If breathing is difficult, administer supplemental oxygen and seek immediate medical attention. If breathing stops, perform artificial respiration.
4.2	Effects of Exposure:	Ingestion:  Eyes:  Skin:  May cause transient mild-eye irritation with short-term contact with liquid, spray or mist.  This product can cause mild, transient skin irritation with short-term exposure. This product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.  No significant adverse health effects are expected to occur upon short-term exposure to this product. Aspiration of liquid into the lungs can cause severe lung damage or death. Drowsiness, dizziness,
4.3	Symptoms of Overexposure:	headaches and nausea.
4.3	Symptoms of Overexposure.	Eyes: Overexposure in eyes may cause redness, itching and watering.  Skin: Symptoms of skin overexposure may include redness, itching, and irritation of affected areas The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.
4.4	Acute Health Effects:	Moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.
4.5	Chronic Health Effects:	Contains a petroleum-based mineral oil. Prolonged or repeated skin contact can cause mild irritation and inflammation characterized by drying, cracking, (dermatitis) or oil acne. Repeated or prolonged inhalation of petroleum-based mineral oil mists at concentrations above applicable workplace exposure levels can cause respiratory irritation or other pulmonary effects.
4.6	Target Organs:	Eyes, Skin, Respiratory System, Central Nervous System (CNS).

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Page 2 of 6 **HFT-60234** 

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		4. FIRST	AID MEAG	SIIDES	cont	٠'d					
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other starget organs (eyes, skin, and re	kin conditions,	and diso				ILITY			1
								HAZA VE EQ	RDS UIPME	NT	0 X
						EYES		SKIN		JNGS	
		5. FIRE	FIGHTING	MEAS	SURES	<b>)</b>					
5.1	Fire & Explosion Hazards:	This material can burn but will not the flash point temperature that heated vapor can ignite with exflash point. Carbon dioxide, can oxides of sulfur, phosphorus, zi concentrations of hydrogen sulfice.	can ignite when plosive force. No rbon monoxide no and nitrogen	exposed the second of the seco	o a source rays may fumes, unl	e of ignition. burn at tem burned hyd	. In end nperatu Irocarb	closed sures be ons an	spaces, low the d trace		
5.2	Extinguishing Methods:	Dry Chemical, Foam, Carbon Did								1	0
5.3	Firefighting Procedures:	Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Avoid spraying water directly into storage containers because of danger of boil over. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies.									
		6. ACCIDEN	TAL REL	EASE I	MEASL	JRES					
	Spills:	Before cleaning any spill or le Equipment.  For small spills (e.g., < 1 gall Maximize ventilation (open doc absorbent material and place in local, state and federal regulatic soap. Remove any contaminate For large spills (e.g., ≥ 1 gallor material (e.g., sand or earth). U recovery or disposal and solid di promptly and wash affected skir sewers and open bodies of wate	on (3.8 L)) we'rs and window on appropriate cons. Wash all dictothing and win (3.8 L)), denvise ONLY non-sking material to a areas with so	ear appropriate ap	riate persecure all stainer(s) for reas and cughly befor all unproteols for recontainers	onal protects ources of or disposal. outside of cre reuse. ected indivi-	ctive e ignitio Dispo contair duals. cleanu dispos	equipmen. Recose of particular with Dike p. Traral. Rer	nt (e.g. move sporoperly plenty and cor asfer liqu	, goggles, pilled mate in accorda of warm w ntain spill v uid to conta ntaminated	gloves). erial with ance with vater and with inert ainers for d clothing
		7. HANDLING	& STOR	AGE IN	FORM	ATION					
7.1	Work & Hygiene Practices:	Use normal hygiene practices.			Avoid dire	ct skin cont	tact. V	Vash ha	ands tho	oroughly at	ter using
7.2	Storage & Handling:	Use and store in a cool, dry, w	this product and before eating, drinking, or smoking.  Use and store in a cool, dry, well-ventilated area. Keep away from excessive heat, open flames, sparks, and other possible sources of ignition. Do not store in unmarked containers or storage devices.								
7.3	Special Precautions:	Empty containers may contain pempty containers without comme				cut, heat o	or weld	d empty	contair	ners. Do r	not reuse
		8. EXPOSURE CON	FROLS &	PERSO	NAL F	ROTE	CTIC	N			
8.1	Exposure Limits: ppm (mg/m³)		ACGIH		NOHSC			OSHA	1	OTHER	
	ppiii (iiigiii )	CHEMICAL NAME(S)  DISTILLATES (PETROLEUM), PARAFFINIC	NA 5	ES-TWA 5	ES-STEL NF	ES-PEAK NF	<b>PEL</b> 5	NA NA	NA NA	OIL MIST	
8.2	Ventilation & Engineering Controls:	The use of mechanical dilution voccupational exposure limits, who (up to 38 °C) or is agitated.									
8.3	Respiratory Protection:	Vaporization or misting is not ex protection is not anticipated und airborne concentrations above approved organic vapor respira factors vary depending upon the	er normal use applicable wor tor equipped we type of respira	conditions kplace exp ith a dust/	and with a posure lev mist pre-fi	adequate v vels are an ilter should	entilati iticipat be us	on. If e ed, a I sed. Pro	levated NIOSH- otection		
8.4	Eye Protection:	with OSHA requirements (29 CFR 1910.134).  Wear protective eyewear (e.g., safety glasses with side-shield) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Wear goggles and/or face shield if splashing or spraying is anticipated. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants. Have suitable eye wash water available. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).									



Page 3 of 6 **HFT-60234** 

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SDS Revision: 1.0

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		XPOSURE CONTROLS & PERSONAL PROTECTION – cont'd
8.5	Hand Protection:	Use gloves constructed of chemical-resistant materials such as neoprene or heavy nitrile rubber if frequent or prolonged contact is expected. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, or the EU member states.
8.6	Body Protection:	Avoid prolonged and/or repeated skin contact. Use clean and impervious protective clothing (e.g., neoprene or Tyvek®) if splashing or spraying conditions are present. Protective clothing should include long-sleeves, apron, boots and additional facial protection. If necessary, refer to appropriate standards of Canada, the EU member states, or U.S. OSHA.
		9. PHYSICAL & CHEMICAL PROPERTIES
9.1	Appearance:	Clear liquid
9.2	Odor:	Characteristic mild petroleum odor
9.3	Odor Threshold:	NA .
9.4	pH:	NA NA
9.5	Melting Point/Freezing Point:	Pour Point: -44.0 °C
9.6	Initial Boiling Point/Boiling Range:	NA NA
9.7	Flashpoint:	> 150 °C (> 302 °F)
9.8	Upper/Lower Flammability	LEL: 0.9%; UEL: 7.0%
9.9	Limits: Vapor Pressure:	NA
9.10	Vapor Density:	NA NA
9.11	Relative Density:	0.8337 g/cm³ @ 15 °C (59 °F)
9.12	Solubility:	Insoluble
9.13	Partition Coefficient (log Pow):	NA NA
9.14	Autoignition Temperature:	NA NA
9.15	Decomposition Temperature:	NA NA
9.16	Viscosity:	15.21 @ 40 °C SUS; 2.28 @ 100 °C
9.17	Other Information:	NA
		10. STABILITY & REACTIVITY
10.1	Stability:	Stable at normal temperatures.
10.2	Hazardous Decomposition Products:	Fumes, smoke, carbon monoxide, silicon oxides.
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Open flames, sparks, high heat, and close proximity to incompatible substances.
10.5	Incompatible Substances:	Strong oxidizing agents.
		11. TOXICOLOGICAL INFORMATION
11.1	Routes of Entry:	Inhalation: NO Absorption: YES Ingestion: YES
11.2	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is available for some of the components of the product and is presented below:  Based on animal testing from similar materials & products, the acute toxicity of this product is expected to be: Distillates, Petroleum, Paraffinic – LD <sub>50</sub> (oral, rat) > 5,000 mg/kg; LD <sub>50</sub> (dermal, rabbit) > 2,000 mg/kg.
11.3	Acute Toxicity:	Mineral oil mists derived from highly refined oils are reported to have low acute and sub-acute toxicities in animals. Effects from single and short-term repeated exposures to high concentrations of mineral oil mists well above applicable workplace exposure levels include lung inflammatory reaction, lipoid granuloma formation and lipoid pneumonia. In acute and sub-acute studies involving exposures to lower concentrations of mineral oil mists at or near current work place exposure levels produced no significant toxicological effects.
11.4	Chronic Toxicity:	NA
11.5	Suspected Carcinogen:	NA NA
11.6	Reproductive Toxicity:	This product is not reported to produce reproductive toxicity in humans.
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity:	This product is not reported to produce teratogenic effects in humans.
14 7	Reproductive Toxicity:	This product is not reported to produce reproductive effects in humans.
11.7 11.8	Irritancy of Product: Biological Exposure Indices:	See Section 4.3
11.9	Physician Recommendations:	NE Treat symptomatically.
5	J	Treat symptomatically.



Page 4 of 6 HFT-60234

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.0 SDS Revision Date: 5/13/2015 12. ECOLOGICAL INFORMATION 12.1 Environmental Stability: There are no specific data available for this product. 12 2 Effects on Plants & Animals: There are no specific data available for this product. 12.3 Effects on Aquatic Life: There are no specific data available for this product. 13. DISPOSAL CONSIDERATIONS 13.1 Waste Disposal: Dispose of in accordance with federal, state, provincial and local regulations. 13.2 Special Considerations: 14. TRANSPORTATION INFORMATION The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR. 49 CFR (GND): **NOT REGULATED** 14.1 14.2 IATA (AIR): **NOT REGULATED** 14.3 IMDG (OCN): **NOT REGULATED** 14.4 TDGR (Canadian GND): **NOT REGULATED** ADR/RID (EU): 14.5 **NOT REGULATED** SCT (MEXICO): 14.6 NOT REGULATED ADGR (AUS): NOT REGULATED 15. REGULATORY INFORMATION SARA Reporting 15.1 This product does not contain any substances subject to SARA Title III, section 313 reporting requirements. Requirements SARA Threshold Planning 15.2 There are no specific Threshold Planning Quantities for the components of this product. Quantity: 15.3 TSCA Inventory Status: The components of this product are listed on the TSCA Inventory or are otherwise exempt. 15.4 CERCLA Reportable Quantity 15.5 Other Federal Requirements: None of the ingredients are listed as Hazardous Air Pollutants (HAPs). None of the ingredients are listed as Toxic Pollutants under the Clean Water Act (CWA). None of the ingredients are listed as Priority Pollutants under the Clean Water Act (CWA). This product does not contain any Class 1 or Class 2 ozone depletors. 15.6 Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List. WHMIS D2B (Other Toxic Effects) 15.7 State Regulatory Information: No ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI). 15.8 Other Requirements: The primary components of this product are not listed in Annex I of EU Directive 67/548/EEC: <u>Distillates (Petroleum), Paraffinic</u>: Harmful (Xn). <u>Risk Phrases</u> (R): 65 – Harmful: may cause lung damage if swallowed. Safety Phrases (S): 53-45 - Avoid exposure - obtain special instructions

before use. In case of accident or if you feel unwell seek medical advice immediately (show the

label where possible)



Page 5 of 6 **HFT-60234** 

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.0 SDS Revision Date: 5/13/2015 16. OTHER INFORMATION DANGER! MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. Wash exposed skin areas thoroughly with 16.1 Other Information: soap and water after handling. Avoid eye contact. Wear protective gloves/eye protection/face protection. IF ON SKIN: Wash with soap and water. IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - Get medical advice/attention. Store in a well-ventilated place. Keep cool. Use only as directed. KEEP OUT OF REACH OF CHILDREN. 16.2 Terms & Definitions: See last page of this Safety Data Sheet. 16.3 Disclaimer: This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate's & Harbor Freight Tools USA, Inc.'s knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition. 16.4 Prepared for: Harbor Freight Tools USA, Inc. 26541 Agoura Road **HARBOR FREIGHT TOOLS** Calabasas, CA 91302 USA Tel: +1 (805) 388-1000 http://www.harborfreight.com/ 16.5 Prepared by: ShipMate, Inc. P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700

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Page 6 of 6 HFT-60234

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# **DEFINITION OF TERMS**

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

### **GENERAL INFORMATION:**

CAS No.	Chemical Abstract Service Number					
EXPOSURE	EXPOSURE LIMITS IN AIR:					
ACGIH	American Conference on Governmental Industrial Hygienists					
С	Ceiling Limit					
ES	Exposure Standard (Australia)					
IDLH	Immediately Dangerous to Life and Health					
OSHA	U.S. Occupational Safety and Health Administration					
PEL	Permissible Exposure Limit					
STEL	Short-Term Exposure Limit					
TLV	Threshold Limit Value					
TWA	Time Weighted Average					

## FIRST AID MEASURES:

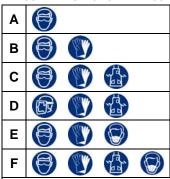
CPR | Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body

### HMIS-III HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard



### PERSONAL PROTECTION RATINGS:







Splash Goggles





Synthetic Apron



**Dust Respirator** 







Airline Hood/Mask or SCBA

# OTHER STANDARD ABBREVIATIONS:

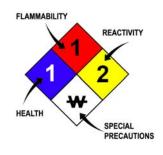
ML	Maximum Limit
mg/m3	milligrams per cubic meter
NA	Not Available
ND	Not Determined
NE	Not Established
NF	Not Found
NR	No Results
ppm	parts per million
SCBA	Self-Contained Breathing Apparatus

## NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:						
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition					
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source					
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source					

#### HAZARD RATINGS:

0	Minimal Hazard			
1	Slight Hazard			
2	Moderate Hazard			
3	Severe Hazard			
4	Extreme Hazard			
ACD	Acidic			
ALK	Alkaline			
COR	Corrosive			
₩	Use No Water			
ОХ	Oxidizer			
TREFOIL	Radioactive			



#### TOXICOLOGICAL INFORMATION:

LD <sub>50</sub>	Lethal Dose (solids & liquids) which kills 50% of the exposed animals s
LC <sub>50</sub>	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD <sub>io</sub>	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD <sub>Io</sub> , LD <sub>Io</sub> , & LD <sub>o</sub> or	Lowest dose (or concentration) to cause lethal or toxic effects
TC, TCo, LCio, & LCo	
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL <sub>m</sub>	Median threshold limit
log K <sub>ow</sub> or log K <sub>oc</sub>	Coefficient of Oil/Water Distribution

## REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System				
DOT	U.S. Department of Transportation				
TC	Transport Canada				
EPA	U.S. Environmental Protection Agency				
DSL	Canadian Domestic Substance List				
NOHSC	National Occupational Health and Safety Commission (Australia)				
NDSL	Canadian Non-Domestic Substance List				
PSL	Canadian Priority Substances List				
TSCA	U.S. Toxic Substance Control Act				
EU	European Union (European Union Directive 67/548/EEC)				
WGK	Wassergefährdungsklassen (German Water Hazard Class)				
HMIS-III	National Paint & Coatings Association Hazardous Materials Identification System				

#### WORKELACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM-

TOTAL ENGLISHER WEST AND THE PROPERTY OF THE P								
	<b>*</b>	<b>(2)</b>	(3)	$\odot$	(18)			
Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F	
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive	

### EC (67/548/EEC) INFORMATION:

15. To 15.		M	*			X	×
С	E	F	N	0	Т	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

# CLP/GHS (1272/2008/EC) PICTOGRAMS:

<				$\Diamond$			$\Diamond$		*
C	GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
E	kplosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment