

Hazard Identification:

## **SAFETY DATA SHEET**

Page 1 of 6 HFT-46319

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

SDS Revision: 1.0

SDS Revision Date: 5/13/2015

	1.	PRODUCT	& COMPANY	IDENTIFICATION
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	II I RODOOT & COMM /ART IDERTIN TO/THOR				
1.1	Product Name:	PNEUMATIC ROLLER SEAT			
1.2	Chemical Name:	Hydraulic Oil			
1.3	Synonyms:	P/N 46319			
1.4	Trade Names:	Pittsburgh Automotive			
1.5	Product Uses & Restrictions:	Hydraulic Oil			
1.6	Distributor's Name:	Harbor Freight Tools USA, Inc.			
1.7	Distributor's Address:	26541 Agoura Road, Calabasas, CA 91302 USA			
1.8	Emergency Phone:	CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300 (CCN 676687)			
1.9	Business Phone / 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

								EXPO	SURE L	IMITS IN	I AIR (m	g/m³)	
					AC	GIH		NOHSC	;		OSHA		
					p	om		ppm			ppm		]
							ES-	ES-	ES-				]
CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	TWA	STEL	PEAK	PEL	STEL	IDLH	OTHER
DIOTILL ATEC (DETDOLEUM)	64741-51-4	NA	NA	60-100	NA	5	5	NF	NF	5	NA	NA	OIL MIST
DISTILLATES (PETROLEUM),		·											

#### PARAFFINIC Asp. Tox.1; H304

### 4. FIRST AID MEASURES

		T. I INOT AID MILAGONES
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:   If product is swallowed, may cause nausea, vomiting and/or diarrhea.
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).

HARBOR FREIGHT TOOLS

Quality Tools at Ridiculously Low Prices

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		4. FIRST	AID MEAS	SURES	- conf	t'd					
4.7	Medical Conditions	Pre-existing dermatitis, other s					TH				1
	Aggravated by Exposure:	target organs (eyes, skin, and re	spiratory system	1).		FLAN		II ITY			1
								HAZA	RDS		0
									UIPME	INT	X
						EYES		SKIN		JNGS	^
		1				LIES	J	SKIIN		JNGS	
		5. FIRE	FIGHTING	MEAS	SURES						
5.1	Fire & Explosion Hazards:	This material can burn but will not the flash point temperature that the heated vapor can ignite with exflash point. Carbon dioxide, can oxides of sulfur, phosphorus, zi concentrations of hydrogen sulfice.	ot readily ignite. can ignite when plosive force. Murbon monoxide nc and nitroger	This mate exposed to dists or sp or, smoke, to or. Also, de	rial will rele o a source rays may fumes, unl	ease vapors of ignition burn at ten	. In en nperati trocart	closed s ures be oons an	spaces, low the ld trace		
5.2	Extinguishing Methods:	Dry Chemical, Foam, Carbon Did								41	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	ITAI PELI	EVSE	MEVSI	IDES					
6.1	Spills:	Before cleaning any spill or le					et woo	r annro	nriata <sup>1</sup>	Personal	Protective
		Maximize ventilation (open doors and windows) and secure all sources of ignition. Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse.  For <u>large spills</u> (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Use ONLY non-sparking tools for recovery and cleanup. Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of drains, municipal sewers and open bodies of water.						lance with water and with inert tainers for ed clothing			
		7. HANDLING	& STOR	AGE IN	FORM	ATION					
7.1	Work & Hygiene Practices:	Use normal hygiene practices. this product and before eating, d	rinking, or smok	ing.							•
7.2	Storage & Handling:	Use and store in a cool, dry, w possible sources of ignition. Do Recommended maximum shelf li	not store in unm					ıt, open	flames	, sparks,	and other
7.3	Special Precautions:	Empty containers may contain pempty containers without comme				cut, heat	or wel	d empty	/ contair	ners. Do	not reuse
		8. EXPOSURE CON	TROLS &	PERSO	NAL F	ROTE	CTIC	N			
8.1	Exposure Limits:		ACGIH		NOHSC			OSHA		OTHER	
	ppm (mg/m <sup>3</sup> )	CHEMICAL NAME(S)	TLV STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
		DISTILLATES (PETROLEUM), PARAFFINIC	NA 5	5	NF	NF	5	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 with OSHA requirements (29 CF	er normal use of applicable work tor equipped with type of respira	conditions kplace exp ith a dust/	and with a posure lever mist pre-fi	adequate v vels are ar lter should	entilati nticipat be us	ion. If e ed, a f sed. Pro	elevated NIOSH- otection		
8.4	Eye Protection:	Wear protective eyewear (e.g., product. Always use protective shield if splashing or spraying is absorb and concentrate irritants protection tested and approved u 166 (EU).	safety glasses eyewear when anticipated. Co . Have suitable	cleaning s ontact lens e eye wash	spills or lea es pose a n water av	aks. Wear special ha: ailable. Us	goggl zard; s se equ	es and/ oft lens ipment	or face ses may for eye		



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8.5	Hand Protection:	EXPOSURE CONTROLS & PERSONAL PROTECTION – cont'd  Use gloves constructed of chemical-resistant materials such as neoprene or heavy nitrile rubber if
0.0	Thank Trotodom	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 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 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.
		44 TOVICOLOGICAL INFORMATION
44.4	Deutes of Enter	11. TOXICOLOGICAL INFORMATION
11.1	Routes of Entry: Toxicity Data:	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: <u>Distillates</u> , <u>Petroleum, Paraffinic</u> – 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 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.
	Reproductive Toxicity:	This product is not reported to produce reproductive effects in humans.
44 -	Institute of Day 1	
11.7 11.8	Irritancy of Product: Biological Exposure Indices:	See Section 4.3  NE



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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)



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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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#### **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 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:

Α		
В		
С		
D		
E		
F		





Splash Goggl





(Tasse

Supplied Assess

Protective Clothing

Dust Respirator

Boots

Synthetic Apron

& Full Suit

Airline Hood/Mask

or SCBA

Full Face Respirator

Dust & Vapor Half-Mask Respirator

OTHER STANDARD ABBREVIATIONS:

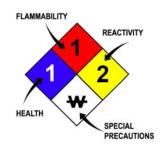
O	OTTER OTTER ABBRETIATIONS.		
ML	Maximum Limit		
mg/m3	milligrams per cubic meter		
NA	Not Available		
ND	Not Determined		
NE	Not Established		
NF	Not Found		
NR	No Results		
ppm	parts per million		
SCBA	Self-Contained Breathing Apparatus		

#### 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, TC <sub>o</sub> , LC <sub>lo</sub> , & LC <sub>o</sub>					
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 U.S. Department of Transportation Transport Canada					
DOT						
TC						
EPA	U.S. Environmental Protection Agency					
DSL	DSL Canadian Domestic Substance List					
NOHSC	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	MIS-III National Paint & Coatings Association Hazardous Materials Identification System					

#### WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

WORKE EXCE THE EXCEPTION CONTRACTOR (WINNES) CTCTEME								
0					<b>®</b>		R	
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:

The state of the s		M	*			X	X
С	E	F	N	0	Т	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

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

			$\Diamond$			$\Diamond$		<b>(*)</b>
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment