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Quality	OR FREIGHT TOOLS Tools at Ridsculously Low Prices		SAF	ETY C	DAT	A S	H	EE	:T				HFT-68426
repa	red to OSHA, ACC, ANSI,	NOHSC, WHMIS	, 2001/58 & 1272	/2008/EC Standar	rds		SDS	Revisio	on: 1.0	SI	DS Revisi	ion Date	e: 5/13/2015
_													
		1.	PRODU	CT & COM	IPANY	IDE	<u>ntif</u>	FICA	NOIT				
	Product Name:	3/8 IN P	ROFESS	IONAL IMI	PACT	AIR F	₹AT	CHE	ET WF	RENC	H		
	Chemical Name:	Petroleum [Distillate								-		
	Synonyms:	P/N 68426											
	Trade Names:	Central Pne	umatic Earthqu	ıake									
	Product Uses & Restrictions:	Lubricating	Oil										
	Distributor's Name:	Harbor Freig	ght Tools USA,	Inc.									
	Distributor's Address:	26541 Agou	26541 Agoura Road, Calabasas, CA 91302 USA										
	Emergency Phone:	CHEMTR	EC: +1 (703	3) 527-3887	/ +1 (80	0) 424	-930	0 (C	CN 676	687)			
	Business Phone / Fax:	+1 (805) 38	8-1000		•								
				AZARDS				_					
	Hazard Identification:			as a HAZARD on criteria of NO								DS	
				L IF SWALLOW							•		_
		Classificatio	Classification: Asp. Tox. 1;										
		Hazard Stat cancer.	ements (H): H3	304 – May be fa	atal if swa	llowed a	and er	nters a	irways.	H350 –	May cau	use	
			rv Statements	(P): P280 - W	ear prote	ctive al	oves/	eve pr	otection.	P301-	+P310 –	- IF	
				ly call a POISC									
		P405 - Stor	re locked up.	P501 – Dispos	e of cont	ents/ co	ntaine	er to a	ın approv	ed was	te dispo	sal	
		plant.											
		3. C	OMPOSI	FION & IN	GRED	<u>IEN I</u>	INF	·ORI					
						400		1		JRE LIMIT	S IN AIR (n		1
						ACG			NOHSC ppm		OSHA ppm		4
						ppi		ES-		ES-	T pp	Т	_
	CAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%		STEL	TWA	STEL P	EAK PE			OTHER
	LATES (PETROLEUM), OTREATED HEAVY	64742-54-7	PY8035501	265-157-1	60-100	NA	NA	NF	NF I	NF 10	0 NA	NA	
	FINIC *	Asp. Tox. 1,	Carc. 1B; H304,	H350									
ont	ains ≤ 3% DMSO	•											_
			4.	FIRST A	ID ME	<u>ASUF</u>	<u>₹ES</u>	i					
	First Aid:	Ingestion:											est Poison Cont
													mmediate medic
				vomiting occur	s sponta	neously,	keep	victin	n's head	lowere	d (forwa	rd) to	reduce the risk
			aspiration.	4- :- 41	ماري ماري		براماسي	خالاند .	!		-£4		
		Eyes:											least 15 minuted during or following
										iace be	COITIC SV	WOIICH	during or lollowi
		Skin:	use, consult a physician or emergency room immediately. Skin: Remove contaminated clothing and wash affected areas with soap and water. If irritation persists, seek										
				cal attention. D									
		Inhalation:	Remove vict	im to fresh air	at once.	If brea	athing	is diff	ficult, ad	minister	suppler	mental	oxygen and se
			immediate m	edical attention	. If breath	ning stop	os, pe	rform a	artificial r	espiration	on.		
	Effects of Exposure:	Ingestion:	•	swallowed, may		-		•					
		Eyes:	May cause tr	ansient mild-ey	e irritatior	with sh	ort-te	rm cor	ntact with	liquid,	spray or	mist.	
		<u>Skin</u> :	•										product can cau
		labat-4:	•	reactions (e.g.,	-			, .		_	•		
		Inhalation:		nt adverse heal								xposu	re to this produ

Aspiration of liquid into the lungs can cause severe lung damage or death.

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.

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

Overexposure in eyes may cause redness, itching and watering.

Moderate irritation to eyes and skin near affected areas.

pulmonary effects.

Eyes:

Skin:

4.3

4.4

4.5

Symptoms of Overexposure:

Acute Health Effects:

Chronic Health Effects:

HARBOR FREIGHT TOOLS

Quality Tools at Ridiculously Low Prices

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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 4. FIRST AID MEASURES - cont'd 4.6 Target Organs: Eyes, Skin, Respiratory System, Central Nervous System (CNS) 47 Medical Conditions Pre-existing dermatitis, other skin conditions, and disorders of the **HEALTH** 1 Aggravated by Exposure: target organs (eyes, skin, and respiratory system). **FLAMMABILITY** 1 PHYSICAL HAZARDS 0 PROTECTIVE EQUIPMENT X **EYES** SKIN LUNGS 5. FIREFIGHTING MEASURES This material can burn but will not readily ignite. This material will release vapors when heated above Fire & Explosion Hazards the flash point temperature that can ignite when exposed to a source of ignition. In enclosed spaces, heated vapor can ignite with explosive force. Mists or sprays may burn at temperatures below the flash point. Carbon dioxide, carbon monoxide, smoke, fumes, unburned hydrocarbons and trace oxides of sulfur, phosphorus and nitrogen. Also, depending upon the conditions of use, low concentrations of hydrogen sulfide can be released. Extinguishing Methods: Dry Chemical, Foam, Carbon Dioxide, Water Fog. Firefighting Procedures: 5.3 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. ACCIDENTAL RELEASE MEASURES Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Spills Equipment. For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate personal protective equipment (e.g., goggles, gloves). 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). 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. 7. HANDLING & STORAGE INFORMATION 7.1 Work & Hygiene Practices: Use normal hygiene practices. Avoid direct skin contact. Wash hands thoroughly after using this product and before eating, drinking, or smoking. 72 Storage & Handling: 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. Recommended maximum shelf life: 36 months. 7.3 Special Precautions: Empty containers may contain product residue. Do not pressurize, cut, heat or weld empty containers. Do not reuse empty containers without commercial cleaning or reconditioning 8. EXPOSURE CONTROLS & PERSONAL PROTECTION Exposure Limits: **ACGIH** NOHSC OSHA OTHER ppm (mg/m³) TLV ES-TWA **ES-STEL** ES-PEAK PEL CHEMICAL NAME(S) STEL STEL IDLH DISTILLATES (PETROLEUM). NA NF NF NF 100 NA NA NA HYDROTREATED HEAVY PARAFFINIC 8.2 Ventilation & Engineering The use of mechanical dilution ventilation is recommended to maintain airborne concentrations below the recommended Controls: occupational exposure limits, whenever this material is used in a confined space, is heated above normal temperatures (up to 38 °C) or is agitated. 8.3 Respiratory Protection: Vaporization or misting is not expected at ambient temperatures. Therefore, the need for respiratory protection is not anticipated under normal use conditions and with adequate ventilation. If elevated airborne concentrations above applicable workplace exposure levels are anticipated, a NIOSHapproved organic vapor respirator equipped with a dust/mist pre-filter should be used. Protection factors vary depending upon the type of respirator used. Respirators should be used in accordance with OSHA requirements (29 CFR 1910.134).



Reproductive Toxicity:

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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 8. EXPOSURE CONTROLS & PERSONAL PROTECTION – cont'd 8 4 Eye Protection: 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. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants. Have suitable eve wash water available. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). 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®). 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 Appearance: Colorless liquid 9.2 Odor: Mild petroleum odor 9.3 Odor Threshold: NA 9.4 pH: NA Melting Point/Freezing Point: 9.5 Pour Point: < -30 °C Initial Boiling Point/Boiling 9.6 > 270 °C (> 518 °F) Range: 97 Flashpoint: > 165 °C (> 329 °F), ASTM D-92 9.8 Upper/Lower Flammability LEL: 0.9% / LEL: 7.0% 9.9 Vapor Pressure: < 0.1 mm Hg at 20 °C 9 10 Vapor Density NA 9.11 Relative Density: 0.842 9.12 Solubility: Insoluble 9.13 Partition Coefficient (log Pow): NA 9.14 **Autoignition Temperature** NA 9.15 Decomposition Temperature: NA 9.16 Viscosity 11.5 - 13.8 cSt (mm²/sec) at 40 °C 9.17 Other Information: NA 10. STABILITY & REACTIVITY 10.1 Stability Stable at normal temperatures 10.2 Hazardous Decomposition Fumes, smoke, carbon monoxide, silicon oxides. Products: 10.3 Hazardous Polymerization: Will not occur. 10.4 Conditions to Avoid: Open flames, sparks, high heat, and close proximity to incompatible substances Incompatible Substances: 10.5 Strong oxidizing agents 11. TOXICOLOGICAL INFORMATION Inhalation: NO Routes of Entry Absorption: YES Ingestion: 11.1 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: Mineral Oils – LD₅₀ (oral, rat) > 5,000 mg/kg. 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. Chronic Toxicity: Prolonged or repeated skin contact can cause mild irritation and inflammation characterized by drying, cracking, (dermatitis) or oil acne. 11.5 Suspected Carcinogen: 116 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.

This product is not reported to produce reproductive effects in humans.

HARBOR FREIGHT TOOLS

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11. TOXICOLOGICAL INFORMATION - cont'd 11.7 Irritancy of Product: See Section 4.3 11.8 Biological Exposure Indices: NA Physician Recommendations: 11.9 Treat symptomatically. 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 Waste Disposal: 13.1 Dispose of in accordance with federal, state, provincial & local regulations. 13.2 Special Considerations: NA 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** 14.2 IATA (AIR): NOT REGULATED 14.3 IMDG (OCN): **NOT REGULATED** TDGR (Canadian GND): 14.4 **NOT REGULATED** ADR/RID (EU): 14.5 **NOT REGULATED** SCT (MEXICO): 14 6 **NOT REGULATED** 14.7 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. 15.2 SARA Threshold Planning 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 (RQ): 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. Other Canadian Regulations: 15.6 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: None of the 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: Harmful (Xn). Risk Phrases (R): 65 - Harmful: may cause lung damage if swallowed. Safety Phrases (S): 1/2-53-45-46 - Keep locked up and out of reach of children. 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). If swallowed, seek medical advice immediately and show this container label.

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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. Wear protective gloves/eye protection/face 16.1 Other Information: protection. IF ON SKIN: Wash with soap and water. If skin irritation or a rash occurs - Get medical advice/attention. Store in a well-ventilated place. Keep cool. Use only as directed. KEEP LOCKED UP AND 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 **Quality Tools at Ridiculously Low Prices** 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 http://www.shipmate.com

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SDS Revision Date: 5/13/2015

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						
C 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:

TERROOM AET INGTEGRATION TO THE TOTAL							
Α							
В							
С							
D							
Е							
F			4				





Splash Goggle





Synthetic Apron

Protective Clothing & Full Suit

Dust Respirator









OTHER STANDARD ABBREVIATIONS:

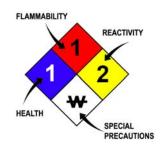
ML	Maximum Limit		
mg/m3	milligrams per cubic meter		
NA	Not Available		
ND Not Determined			
NE Not Established			
NF	Not Found		
NR No Results			
ppm parts per million			
SCBA	Self-Contained Breathing Apparatus		

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System				
DOT	DOT U.S. Department of Transportation				
TC	Transport Canada				
EPA	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	National Paint & Coatings Association Hazardous Materials Identification System				

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

	TOTAL ENGLANCE OF THE ENGLAND OF THE									
0	(4)	(②	(T)	®		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:

	T.		M	*			X	X
Ī	С	E	F	N	0	Т	Xi	Xn
Ī	Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

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

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