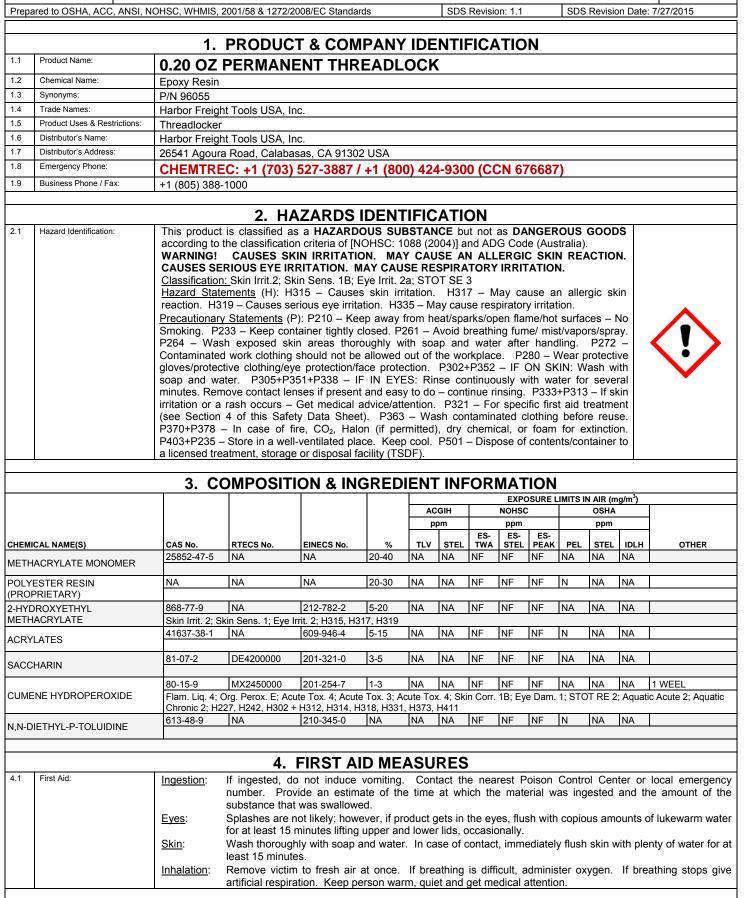
SAFETY DATA SHEET

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HARBOR FREIGHT TOOLS Guality Tools at Ridiculously Low Prices

SAFETY DATA SHEET

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Prepa										
	ared to OSHA, ACC, ANSI, N	IOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards	SDS Revision: 1.1	SDS Revision Date:	7/27/2015					
		4. FIRST AID MEASURES	– cont'd							
4.2	Effects of Exposure:			r diarrhea and central	nervous system					
4.3	Symptoms of Overexposure: Acute Health Effects:	depression. Eves: Vapor of this product may be mildly to moderately irritation to the eyes. Symptoms of overexposure mainclude redness, itching, irritation and watering. Skin: May be irritating to skin in some sensitive individuals, especially after prolonged or repeated sk contact. May bond skin to clothing and release heat, causing burns. Inhalation: Inhalation of vapors is unlikely under normal conditions of use. Vapors of this product may be sligh irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure cainclude coughing, wheezing, nasal congestion, and difficulty breathing. Inhalation of vapors exceeding the levels listed in Section 3 (Composition and Ingredient Information) can cause central nervor system depression (e.g., drowsiness, dizziness, headaches, nausea). ptoms of Overexposure: Symptoms of skin overexposure in some sensitive individuals may include redness, itching, and irritation of affect areas. Overexposure of vapor in eyes may cause redness, itching and watering. e Health Effects: Mild to moderate irritation to skin near affected areas.								
		Vapor of this product may be mildly to moderately irritation overexposure may include redness, itching, irritation and w	atering.		eyniptenie e					
		Additionally, high concentrations of vapors can cause drows	siness, dizziness, hea	adaches and nausea.						
4.5	Chronic Health Effects:	None known.								
4.6	Target Organs:	Eyes, Skin, Respiratory System.								
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin conditions, and disor target organs (eyes, skin, and respiratory)	FLAM PHYS	IMABILITY SICAL HAZARDS	1 1 1					
			EYES	ECTIVE EQUIPMEN	T B					
		5. FIREFIGHTING MEAS								
5.1	Fire & Explosion Hazards:									
5.1		This material can burn but will not readily ignite. Howev decompose at high temperatures to form toxic gases (e.g.,								
5.2	Extinguishing Methods:	CO ₂ , Dry Chemical, Alcohol Foam. Use water spray to coo								
		fire, wear MSHA/NIOSH approved self-contained breathin protective gear. Keep containers cool until well after the exposed surfaces and to protect personal. Fight fire up storage containers because of danger of boil-over. Preve entering sewers, drains, drinking water supply, or any nat bunker gear including NIOSH-approved positive pressur protect against potential hazardous combustion or decompo	fire is out. Use wal wind. Avoid sprayir ent runoff from fire co ural waterway. Fire e self-contained bre	er spray to cool fire- ing water directly into pontrol or dilution from righters must use full eathing apparatus to						
		protective gear. Keep containers cool until well after the exposed surfaces and to protect personal. Fight fire up storage containers because of danger of boil-over. Preve entering sewers, drains, drinking water supply, or any nat bunker gear including NIOSH-approved positive pressur protect against potential hazardous combustion or decompo	fire is out. Use wat wind. Avoid sprayir ent runoff from fire co ural waterway. Fire e self-contained bre osition products and o	er spray to cool fire- ing water directly into pontrol or dilution from righters must use full eathing apparatus to						
6.1	Spills:	protective gear. Keep containers cool until well after the exposed surfaces and to protect personal. Fight fire up storage containers because of danger of boil-over. Preve entering sewers, drains, drinking water supply, or any nat bunker gear including NIOSH-approved positive pressur protect against potential hazardous combustion or decompo- 6. ACCIDENTAL RELEASE N	fire is out. Use wat wind. Avoid sprayir ant runoff from fire co- ural waterway. Fire e self-contained bre osition products and on IEASURES	er spray to cool fire- ig water directly into introl or dilution from fighters must use full eathing apparatus to paygen deficiencies.						
6.1	Spills:	protective gear. Keep containers cool until well after the exposed surfaces and to protect personal. Fight fire up storage containers because of danger of boil-over. Preve entering sewers, drains, drinking water supply, or any nat bunker gear including NIOSH-approved positive pressur protect against potential hazardous combustion or decompo	fire is out. Use wat wind. Avoid sprayin int runoff from fire co- ural waterway. Firef e self-contained bre bistion products and o IEASURES n spill cleanup mus riate personal protect cure all sources of ainer(s) for disposal. eas and outside of o gohly before reuse. all unprotected indivi- bis for recovery and o containers for proper	ter spray to cool fire- ig water directly into introl or dilution from fighters must use full eathing apparatus to oxygen deficiencies. t wear appropriate Per ctive equipment (e.g., g ignition. Remove spille Dispose of properly in container with plenty of duals. Dike and contai cleanup. Transfer liquid disposal. Remove conta	oggles, gloves ed material with accordance with warm water and n spill with iner to containers for minated clothing					
6.1	Spills:	protective gear. Keep containers cool until well after the exposed surfaces and to protect personal. Fight fire up storage containers because of danger of boil-over. Preverentering sewers, drains, drinking water supply, or any nat bunker gear including NIOSH-approved positive pressure protect against potential hazardous combustion or decompositive pretext against potential hazardous combustion or decompositive pressure of severe cleaning any spill or leak, individuals involved i Equipment. For small spills (e.g., < 1 gallon (3.8 L)) wear approprime Maximize ventilation (open doors and windows) and se absorbent material and place into appropriate closed continucal, state and federal regulations. Wash all affected ar soap. Remove any contaminated clothing and wash thorout For large spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to a material (e.g., sand or earth). Use ONLY non-sparking too recovery or disposal and solid diking material to separate corresponding solid set of water.	fire is out. Use wat wind. Avoid sprayin ant runoff from fire co- ural waterway. Firef e self-contained bre osition products and on IEASURES n spill cleanup mus riate personal protect cure all sources of ainer(s) for disposal. eas and outside of or gohly before reuse. all unprotected indivi- ols for recovery and of containers for proper- ter. Keep spills and	ter spray to cool fire- ig water directly into introl or dilution from fighters must use full eathing apparatus to oxygen deficiencies. t wear appropriate Per ctive equipment (e.g., g ignition. Remove spille Dispose of properly in container with plenty of duals. Dike and contai cleanup. Transfer liquid disposal. Remove conta	oggles, gloves ed material wit accordance wit warm water and n spill with iner to containers for uninated clothin					
		protective gear. Keep containers cool until well after the exposed surfaces and to protect personal. Fight fire up storage containers because of danger of boil-over. Preve entering sewers, drains, drinking water supply, or any nat bunker gear including NIOSH-approved positive pressur protect against potential hazardous combustion or decompositive protect against potential hazardous combustion or decompositive present general spills (e.g., < 1 gallon (3.8 L)) wear approprime Maximize ventilation (open doors and windows) and se absorbent material and place into appropriate closed cont local, state and federal regulations. Wash all affected ar soap. Remove any contaminated clothing and wash thorou. For large spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to a material (e.g., sand or earth). Use ONLY non-sparking to recovery or disposal and solid diking material to separate of promptly and wash affected skin areas with soap and wat sewers and open bodies of water.	fire is out. Use wat wind. Avoid sprayin int runoff from fire co- ural waterway. Fire e self-contained bre position products and on MEASURES n spill cleanup mus riate personal protect cure all sources of ainer(s) for disposal. eas and outside of on ghly before reuse. all unprotected individed to for recovery and on containers for proper ter. Keep spills and FORMATION	ter spray to cool fire- ing water directly into introl or dilution from ighters must use full eathing apparatus to boxygen deficiencies. t wear appropriate Per ctive equipment (e.g., g ignition. Remove spille Dispose of properly in container with plenty of duals. Dike and contai cleanup. Transfer liquid disposal. Remove conta cleaning runoffs out of o	oggles, gloves ed material wit accordance wit warm water an n spill with ine to containers for iminated clothin drains, municipa					
	Spills: Work & Hygiene Practices:	protective gear. Keep containers cool until well after the exposed surfaces and to protect personal. Fight fire up storage containers because of danger of boil-over. Preve entering sewers, drains, drinking water supply, or any nat bunker gear including NIOSH-approved positive pressur protect against potential hazardous combustion or decompositive protect against potential hazardous combustion or decompositive pressure protect against potential to (preventilation (open doors and windows) and se absorbent material and place into appropriate closed cont local, state and federal regulations. Wash all affected ar soap. Remove any contaminated clothing and wash thorout for large spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to a material (e.g., sand or earth). Use ONLY non-sparking toor recovery or disposal and solid diking material to separate or promptly and wash affected skin areas with soap and wat sewers and open bodies of water. 7. HANDLING & STORAGE INI Avoid prolonged or repeated skin contact. Avoid breathin product. Use in a well-ventilated location (e.g., local exhaution of the product. Use in a well-ventilated location (e.g., local exhaution (fire is out. Use wat wind. Avoid sprayin int runoff from fire co- ural waterway. Firef e self-contained bre osition products and on IEASURES n spill cleanup mus riate personal protect cure all sources of ainer(s) for disposal. eas and outside of or gohly before reuse. all unprotected indivi- os for recovery and on containers for proper ter. Keep spills and FORMATION g vapors of this prod ast ventilation, fans).	ter spray to cool fire- ing water directly into introl or dilution from ighters must use full eathing apparatus to boxygen deficiencies. t wear appropriate Per ctive equipment (e.g., g ignition. Remove spille Dispose of properly in container with plenty of duals. Dike and contai cleanup. Transfer liquid disposal. Remove conta cleaning runoffs out of o	oggles, gloves ed material wit accordance wit warm water an n spill with ine to containers for minated clothin drains, municipa when using this					
6.1 7.1 7.2		protective gear. Keep containers cool until well after the exposed surfaces and to protect personal. Fight fire up storage containers because of danger of boil-over. Preve entering sewers, drains, drinking water supply, or any nat bunker gear including NIOSH-approved positive pressur protect against potential hazardous combustion or decompositive protect against potential hazardous combustion or decompositive pressur protect against potential hazardous combustion or decompositive pressure ventilation (open doors and windows) and se absorbent material and place into appropriate closed cont local, state and federal regulations. Wash all affected ar soap. Remove any contaminated clothing and wash thorou. For large spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to a material (e.g., sand or earth). Use ONLY non-sparking toor recovery or disposal and solid diking material to separate compromptly and wash affected skin areas with soap and wat sewers and open bodies of water. 7. HANDLING & STORAGE INI Avoid prolonged or repeated skin contact. Avoid breathin	fire is out. Use wat wind. Avoid sprayin ant runoff from fire co- ural waterway. Firef e self-contained bre- osition products and on MEASURES n spill cleanup mus riate personal protect cure all sources of ainer(s) for disposal. reas and outside of or ghly before reuse. all unprotected indivi- los for recovery and or containers for proper ter. Keep spills and FORMATION g vapors of this prod tst ventilation, fans). ng product. ainer closed tightly vi- containers should be unlight, other light so	ter spray to cool fire- ing water directly into introl or dilution from fighters must use full eathing apparatus to oxygen deficiencies. t wear appropriate Per stive equipment (e.g., g ignition. Remove spille Dispose of properly in container with plenty of duals. Dike and contai cleanup. Transfer liquid disposal. Remove contai cleaning runoffs out of or uct. Use eye protection After use, wash hands a when not in use. Empty handled with care.	oggles, gloves ed material wit accordance wit warm water an n spill with ine to containers for minated clothin drains, municipa when using this nd exposed skin y container may					

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

SDS Revision: 1.1

SDS Revision Date: 7/27/2015

0.4	Evenesure Limiter	8. EXPOSURE CON		FLNGC		NOIL				OTHER
8.1	Exposure Limits: ppm (mg/m ³)		ACGIH	50 TM/A	NOHSC			OSHA	10111	OTHER
	PP··· (··· 3 ····)	CHEMICAL NAME(S) CUMENE HYDROPEROXIDE	TLV STEL NA NA	ES-TWA NF	ES-STEL NF	ES-PEAK NF	PEL NA	STEL NA	IDLH NA	1 WEEL
8.2	Ventilation & Engineering	General mechanical (e.g., fans)								
	Controls:	exhaust ventilation to effectively product. Ensure appropriate dec	remove and	prevent bu	ildup of v	apors or m	nist ge	nerated	from t	he handling of the
3.3	Respiratory Protection:	No special respiratory protection	n is required u	nder typica	al circums	stances of u	use or	handlir	ng. In	ĺ ĺ
		instances where mist or vapors	of this product	are genera	ted, and i	respiratory p	protect	ion is n	eeded,	
		use only protection authorized								
		Canadian CAS Standard Z94.4-	93 and applica	ible standa	ards of Ca	anadian Pro	vinces	s, EC m	lember	
8.4	Eye Protection:	States, or Australia. Wear protective eyewear (e.g.,	aafaty alaaaa	with olde	obiold)	at all times	whon	bondlir	na thia	
0.1		product. Always use protective								
		shield if splashing or spraying is								
		absorb and concentrate irritants								
		protection tested and approved u	Inder appropria	te governm	ent stand	ards such a	s NIOS	ŚH (US)	or ÉN	
		166(EU).								
8.5	Hand Protection:	Use gloves constructed of chem								
		frequent or prolonged contact is appropriate standards of Canada				5. OSHA 29	CFR§	1910.1	38, the	
8.6	Body Protection:	Avoid prolonged and/or repeate	-			onvious prot	ootivo	alathing		
0.0	Body Frotooloni	neoprene or Tyvek [®]) if splashi								
		include long-sleeves, apron, boo								
		standards of Canada, the EU me				, ,	,			
		9. PHYSICAL	& CHEM	CAL P	ROPE	RTIES				
9.1	Appearance:	Red translucent liquid								
9.2	Odor:	Mild cumene odor								
9.3	Odor Threshold:	NA								
9.4	pH:	NA								
9.5	Melting Point/Freezing Point:	NA								
9.6	Initial Boiling Point/Boiling Range:	> 149 °C (> 300 °F)								
9.7	Flashpoint:	> 200 °C (>392 °F) PMCC								
9.8	Upper/Lower Flammability	NA								
9.9	Limits: Vapor Pressure:	NA								
9.10	Vapor Density:	Heavier than air								
9.11	Relative Density:	> 1.0								
9.12	Solubility:	Insoluble								
9.13	Partition Coefficient (log Pow):	NA								
9.14	Autoignition Temperature:	NA								
9.15	Decomposition Temperature:	NA								
9.16	Viscosity:	NA								
9.17	Other Information:	NA								
		10. STA	ABILITY &	REAC	ΤΙΛΙΤΑ					
10.1	Stability:	Stable under normal conditions;	unstable with he	eat or conta	amination.					
10.2	Hazardous Decomposition Products:	Oxides of carbon (CO, CO ₂).								
10.3	Hazardous Polymerization:	Will not occur.								
10.4	Conditions to Avoid:	Open flames, sparks, high heat,	incompatible su	ibstances a	and direct	sunlight.				
10.5	Incompatible Substances:	Avoid extreme heat and ignition	sources, strong	acids and	alkalis, re	active metal	s and	strong o	oxidizing	g agents.
		· · ·						-		
		11. TOXICO	OLOGICA	<u>L IN</u> FO	<u>RMAT</u>	ION				
11.1	Routes of Entry:	Inhalation: YES		Abso	rption: YE	S			Ingestion	n: YES
11.2	Toxicity Data:	This product has NOT been test							nd in s	cientific literature
		available for some of the compor	nents of the pro	duct, but is	not prese	ented in this	docum	nent.		
11.3	Acute Toxicity:	See Section 4.4								
11.4	Chronic Toxicity:	See Section 4.5								
11.5	Suspected Carcinogen:	Saccharin is listed as IARC Grou	n 2 (Net eleccif	ichle ee te	14			-)		

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	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 cause teratogenic effects in humans.
	Reproductive Toxicity:	This product is not reported to cause reproductive effects in humans.
11.7	Irritancy of Product:	The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.
11.8	Biological Exposure Indices:	NE
11.9	Physician Recommendations:	Treat symptomatically.
		12. ECOLOGICAL INFORMATION
	Environmental Stability:	There are no specific data available for this product.
12.1		There are no specific data available for this product.
12.1 12.2	Effects on Plants & Animals:	

	13. DISFUSAL CONSIDERATIONS									
13.1	Waste Disposal:	Products covered by this SDS, in their original form, when disposed as waste, are considered non hazardous waste according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations. Dispose of in accordance with federal, state and 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.

14.7	ADGR (AUS):	NOT REGULATED	
14.6	SCT (MEXICO):	NOT REGULATED	
14.5	ADR/RID (EU):	NOT REGULATED	
14.4	TDGR (Canadian GND):	NOT REGULATED	
14.3	IMDG (OCN):	NOT REGULATED	
14.2	IATA (AIR):	NOT REGULATED	
14.1	49 CFR (GND):	NOT REGULATED	

15. REGULATORY INFORMATIO	N
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15.1	SARA Reporting Requirements:								
15.2	SARA Threshold Planning Quantity:	There are no specific Threshold Planning Quantities for the components of this product.							
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):	NA							
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 Controlled Products Regulations (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.							
15.7	State Regulatory Information:	<u>2-Hydroxyethyl Methacrylate</u> is listed on the following state criteria list(s): New Jersey Right-to-Know List (NJ) and Pennsylvania Right-to-Know List (PA). <u>Saccharin</u> is found on the following state criteria list: FL, MA, MN, NJ, PA and WI. <u>Cumene Hydroperoxide</u> is found on the following state criteria list: FL, MA, NJ, PA, and WA. 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).							

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.1 SDS Revision Date: 7/27/2015 15. REGULATORY INFORMATION – cont'd 15.8 Other Requirements: The primary components of this product are listed in Annex I of EU Directive 67/548/EEC: 2-Hydroxyethyl Methacrylate: Irritant (Xi). Risk Phrases (R): 36/38 - Irritating to eyes and skin. Safety Phrases (S): 2-26-28 - Keep out of the reach of children. In case of contact with eyes, rinse immediately with plenty of lukewarm water for at least 15 minutes. After contact with skin, was immediately with plenty of lukewarm water, followed by a thorough washing of the affected area with plenty of soap and water. Cumene Hydroperoxide: Irritant (Xi); Risk Phrases (R): 36/37 - Irritating to eyes and respiratory system. Safety Phrases (S): 1/2-3/7-14-36/37/39-45 - Keep locked up and out of reach of children. Keep container tightly closed in a cool place. Wear suitable protective clothing, gloves and eye/face protection. In case of accident tor if you feel unwell seek medical advice immediately (show label where possible). 16. OTHER INFORMATION WARNING! CAUSES SKIN IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES SERIOUS 16.1 Other Information: EYE IRRITATION. MAY CAUSE RESPIRATORY IRRITATION. Use only as directed. Keep away from heat/sparks/open flame/hot surfaces - No Smoking. Keep container tightly closed. Avoid breathing fume/ mist/vapors/spray. Wash exposed skin areas thoroughly with soap and water after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/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. For specific first aid treatment (see Section 4 of this Safety Data Sheet). Wash contaminated clothing before reuse. In case of fire, CO₂, Halon (if permitted), dry chemical, or foam for extinction. Store in a well-ventilated place. Keep cool. KEEP LOCKED UP AND OUT OF REACH OF CHILDREN. 16.2 Terms & Definitions: See last page of this Safety Data Sheet. This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other 16.3 Disclaimer 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 Quality Tools at Ridiculously Low Prices 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 http://www.shipmate.com

SAFETY DATA SHEET

HAZARD RATINGS:

3

0 Minimal Hazard 1 Slight Hazard

2 Moderate Hazard

Severe Hazard 4 Extreme Hazard Page 6 of 6 HFT-96055

REACTIVITY

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

SDS Revision: 1.1

FLAMMABILITY

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 M	FIRST AID MEASURES:							

Cardiopulmonary resuscitation - method in which a person whose heart has CPR 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		HEALTH						
1	Slight Hazard		FLAMMABILITY						
2	Moderate Hazard		PHYSICAL HAZARDS						
3	Severe Hazard		PERSONAL PROTECTION						
4	Extreme Hazard								

PERSONAL PROTECTION RATINGS:

Α					G	0					
в					н	0		招			
С	0				I	0					
D	B		F.		J			Î			
Е			\bigcirc		κ	5		R			
F			F.		Х			pervisor o direction			
Sa	Safety Glasses Splash Gog					e Shield & tive Eyew		Gloves			
	Boots S			c Apron		tive Cloth	ing	Dust Respirator			
								Ŵ			
Full I	Full Face Respirator Dust & Vapor Half- Mask Respirator					ull Face espirator	4	Airline Hood/Mask or SCBA			
отн	OTHER STANDARD ABBREVIATIONS:										
	ML	Maxim	um Limit								
	mg/m3	milligra	ams per cu	bic meter							
	NA	Not Av	ailable								
	ND	Not De	etermined								
	NE	Not Es	tablished								
	NF	Not Fo	und								
	NR	No Res	sults								

NE	Not Established
NF	Not Found
NR	No Results
ppm	parts per million
SCBA	Self-Contained Breathing Apparatus
NATIONAL FI	RE PROTECTION ASSOCIATION: NFPA
FLAMMABILI	TY 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

						_		<			<i>.</i>	>
ACE	Acidic										• /	/
ALł	C Alkalir	ne						/	V ,		/	
COF	Corros	sive					HE	ALTH	\sim			
¥	Use N	o Wate	er						' \	×.	DEC	CIAL
0)	(Oxidiz	er										CAUTIONS
TREFOIL	Radio	active										
TOXICOL	OGICAL	INFC	RMAT	ION:								
	I	LD ₅₀	Lethal s	Dose (s	olids a	& liqu	iids) wh	ich k	ills 50%	of the exp	ose	d animals
		LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal									
	I	ppm	Concentration expressed in parts of material per million parts									
		TD _{lo}	Lowest dose to cause a symptom									
	CLo	Lowest concentration to cause a symptom										
TD _{Io} , TC, TC		Lowest dose (or concentration) to cause lethal or toxic effects										
	ARC	International Agency for Research on Cancer										
		NTP	Nationa	al Toxico	ology	Prog	ram					
	RT	ECS	Registr	y of Tox	kic Effe	ects o	of Chem	nical \$	Substand	ces		
		BCF		centratio								
		TLm	Median	thresh	old lim	it						
log K		Coeffic	ient of C	Dil/Wa	ter D	istributio	on					
REGULA												
WHMIS					dous N	later	ial Infor	matic	n Syster	n		
DO									in oyoto.			
T		port Ca	tment of Transportation									
EP			nmental Protection Agency									
DSI			Iomestic Substance List									
NOHS												
NDSI			cupational Health and Safety Commission (Australia)									
PSI												
TSC	_		Priority Substances List Substance Control Act									
EL	_		Jnion (European Union Directive 67/548/EEC)									
WGł	· ·		ährdungsklassen (German Water Hazard Class)									
HMIS-II		-	int & Coatings Association Hazardous Materials Identification System									
WORKPL												
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Class A	Class B	С	lass C	Class	5 D1	Cla	iss D2	Cla	ass D3	Class E		Class F
Compressed	Flammable	e O:	kidizing	Тох	tic	Irri	tation	Infe	ectious	Corrosive		Reactive
EC (67/54	8/EEC) I	NFOF	RMATI	ON:								
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С	Е		F	N	I		0		Т	Xi		Xn
Corrosive	Explosive	Fla	mmable	Harn	nful	Ox	idizing	۲	Toxic	Irritant		Harmful
CLP/GHS	(1272/2	008/E	C) PIC	TOGR	AMS							
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GHS01	GHS02	GHS	03 G	GHS04	GH	305	GHS	06	GHS07	GHS0	8	GHS09

SDS Revision Date: 7/27/2015

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