SAFETY DATA SHEET

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

SDS Revision: 1.1

HFT-92665 SDS Revision Date: 7/27/2015

Page 1 of 6

1.1	Product Name:		PRODUC				-					
		-	STRONG	JUICK SE		G EPOX	(Y					
.2	Chemical Name:	Epoxy Resin	1									
.3	Synonyms:	P/N 92665										
.4	Trade Names:	Harbor Freig	1									
.5	Product Uses & Restrictions:	Quick Set Ep	,									
.6	Distributor's Name:		Harbor Freight Tools USA, Inc.									
.7	Distributor's Address:		26541 Agoura Road, Calabasas, CA 91302 USA									
1.8	Emergency Phone:	CHEMTR	EC: +1 (703)	527-3887 /	+1 (800	) 424-93(	<u> 00 (CC</u>	N 6766	87)			
1.9	Business Phone / Fax:	+1 (805) 388	3-1000									
			2. HA	ZARDSI	DENT	IFICATI	ON					
2.1	Hazard Identification:	This produc	t is classified as					S DANG	FROUS	GOOI	าร	
			the classification							0001		
			CAUSES SER							OXIC 1	го	
		AQUATIC L	IFE WITH LONG	LASTING EF	FECTS.							
		Classification	<u>n</u> : Eye Irrit. 2; Sk	in Irrit. 2; Skin	Sens. 1; /	Aq. Chronic	2					< / >
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			e an allergic sk		H411 — <sup>-</sup>	Toxic to aqu	uatic life	with lor	ig lastin	g effec	ts.	
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			on/ wear protective									< ¥,₀
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			tion. P501 – Dis									•
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						ppin	ES-	ES- E	3-	ppin		
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		13463-67-7	XR2275000	236-675-5	0.0-1.0	10 NA	NF	NF N	F 5	NA	5000	
ITAN	IIUM DIOXIDE	13403-07-7	AR2275000	230-075-5	0.0-1.0	IU NA	INF		F J	INA	5000	
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k.1	First Aid:		number. Prov substance that	vide an estima was swallowe	ate of the d.	Contact the time at which	he neare hich the	materia	was ing	gested	and th	
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## SAFETY DATA SHEET

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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 4. FIRST AID MEASURES – cont'd 44 Acute Health Effects Non-irritating when used as directed. Moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of dust can cause coughing, wheezing, shortness of breath, impaired pulmonary function. Irritation or soreness in throat, nose and respiratory tract. Non-irritating when used as directed. Possible allergic dermatitis in some sensitive individuals. 4.5 Chronic Health Effects: 4.6 Target Organs: Eves, Skin. 47 Medical Conditions HEALTH Pre-existing dermatitis, other skin conditions. 2 Aggravated by Exposure: FLAMMABILITY 1 **PHYSICAL HAZARDS** 1 PROTECTIVE EQUIPMENT В EYES SKIN 5. FIREFIGHTING MEASURES 5.1 Fire & Explosion Hazards: This material can burn but will not readily ignite. However, if involved in a fire, this product may decompose at high temperatures to form toxic gases (e.g., CO, CO<sub>X</sub> Hydrocarbons). Extinguishing Methods: 5.2 CO2, Dry Chemical, Alcohol Foam. Use water spray to cool containers 5.3 Firefighting Procedures: Keep containers cool until well after the fire is out. Fight fires as for surrounding materials. As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fireexposed surfaces and to protect personal. Fight fire upwind. 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 6.1 Spills Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective 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 large spills (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. 7. HANDLING & STORAGE INFORMATION 7.1 Work & Hygiene Practices: Do not eat, drink or smoke when handling this product. Handle as to avoid puncturing container(s). Wash unintentional residues with soap and warm water. Keep tightly closed when not in use. Avoid contact with skin and clothing 7.2 Storage & Handling: Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans) away from heat and direct sunlight. Avoid temperatures above 120 °F. Keep away from incompatible substances. Protect containers from physical damage. Avoid breathing vapor. Special Precautions: 7.3 Clean all spills promptly. Spilled material may present a slipping hazard 8. EXPOSURE CONTROLS & PERSONAL PROTECTION NOHSC OTHER 8.1 Exposure Limits: ACGIH OSHA ppm (mg/m<sup>3</sup>) ES-STEL STEL CHEMICAL NAME(S) TLV STEL ES-TWA ES-PEAK PEL IDLH TALC NF 2 1000 2 NA NF 2.5 NA TITANIUM DIOXIDE 10 NA NF NF NF 5 NA 5000 8.2 Ventilation & Engineering General mechanical (e.g., fans) or natural ventilation is sufficient when this product is in use. Use local or general Controls exhaust ventilation to effectively remove and prevent buildup of vapors or mist generated from the handling of this product. Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station). Respiratory Protection: 8.3 No special respiratory protection is required under typical circumstances of use or handling. In instances where mist or vapors of this product are generated, and respiratory protection is needed. use only protection authorized by 29 CFR §1910.134, applicable U.S. State regulations, or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC member States, or Australia.

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SAFETY DATA SHEET Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.1 SDS Revision Date: 7/27/2015 8. EXPOSURE CONTROLS & PERSONAL PROTECTION – cont'd 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. Wear goggles and/or face shield if splashing or spraving 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(FU) 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 ky appropriate standards of Canada, or the EU member states. Body Protection: Avoid prolonged and/or repeated skin contact. Use clean and impervious protective clothing (e.g., neoprene or Tyvek<sup>®</sup>) if splashing or spraying conditions are present. Protective clothing should "La 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: White viscous liquid Odor: Mild odor Odor Threshold: NA pH: NA Melting Point/Freezing Point: NA Initial Boiling Point/Boiling > 260 °C (500 °F) Range: 248.8 °C (480 °F) PMCC Flashpoint: Upper/Lower Flammability NA Limits: Vapor Pressure: NA Vapor Density NA Relative Density: 1.57 Solubility: Insoluble Partition Coefficient (log Pow): NA Autoignition Temperature NA Decomposition Temperature: NA Viscositv NA Other Information This product is VOC compliant for sale in California. 10. STABILITY & REACTIVITY Stability Stable under normal conditions; unstable with heat or contamination. Hazardous Decomposition Oxides of carbon (CO, CO<sub>2</sub>). Products Hazardous Polymerization Will not occur. Conditions to Avoid Open flames, sparks, high heat, incompatible substances and direct sunlight. Incompatible Substances Avoid extreme heat and ignition sources. Oxidizing agents, strong acids, strong bases 11. TOXICOLOGICAL INFORMATION Inhalation: YES Routes of Entry Absorption: YES Ingestion: YES 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 not presented in this document Acute Toxicity: See Section 4.4 Chronic Toxicity See Section 4.5 Suspected Carcinogen Titanium Dioxide is listed as IARC Group 2B (Possibly carcinogenic to humans) 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 Irritancy of Product: The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. Biological Exposure Indices NF Physician Recommendations: Treat symptomatically.

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	OR FREIGHT TOOLS	SAFETY DATA SHEET	Page 4 of 6 <b>HFT-92665</b>
Prepa	red to OSHA, ACC, A	NSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.1 SDS Revision Date	7/27/2015
		12. ECOLOGICAL INFORMATION	
12.1	Environmental Stability:	There are no specific data available for this product.	
12.2	Effects on Plants & Anir		
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 desc	riptive information r	D Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transpor nay be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.	tation. Additional
14.1	49 CFR (GND):	NOT REGULATED	
14.2	IATA (AIR):	NOT REGULATED	
14.3	IMDG (OCN):	NOT REGULATED	
14.4	TDGR (Canadian GND)	Norrieb	
14.5	ADR/RID (EU):	NOT REGULATED	
14.6	SCT (MEXICO):	NOT REGULATED	
14.7	ADGR (AUS):	NOT REGULATED	
		15. REGULATORY INFORMATION	
15.1	SARA Reporting Requirements:	This product does not contain any substances subject to SARA Title III, section 313 reporting requirement	ents.
15.2	SARA Threshold Planni Quantity:	There are no specific threshold Planning Quantities for the components of this product.	
15.3	TSCA Inventory Status:		
15.4	CERCLA Reportable Qu (RQ):		
15.5	Other Federal Requiren	Pollutants under the Clean Water Act (CWA). None of the ingredients are listed as Priority Pollutants Water Act (CWA). This product does not contain any Class 1 or Class 2 ozone depletors.	
15.6	Other Canadian Regula	tions: 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.	T
15.7	State Regulatory Inform	Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Kn Pennsylvania Right-to-Know List (PA). No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minr Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (N Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances	ow List (NJ) and the following state Toxic Substances nesota Hazardous IY), Pennsylvania
15.8	Other Requirements:	The primary components of this product are listed in Annex I of EU Directive 67/548/EEC: <u>Epoxy Resin</u> : Irritant (Xi); Environmental danger (N). <u>Risk Phrases</u> (R): 36/38-43-51/53 – Irritating to eyes and skin. May cause sensitization by skin contact. Toxic to aquatic organisms. <u>Safety</u> <u>Phrases</u> (S): (2-)28-37/39-61 – Keep out of reach of children. After contact with skin, was immediately with plenty of soap and water. Wear suitable gloves and eye/face protection. Avoid release to the environment. Refer to special instructions/SDS.	★ 🕹

# SAFETY DATA SHEET

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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

		16. OTHER INFO	ORMATION						
16.1	Other Information: WARNING! CAUSES SERIOUS EYE IRRITATION. CAUSES SKIN IRRITATION. TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. Use only as directed. Do not breathe fumes. Avoid contact with skin. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label where possible. Avoid release to the environment. KEEP LOCKED UP AND OUT OF REACH OF CHILDREN.								
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.							
16.3	Disclaimer:	government regulations must be reviewed for an Tools USA, Inc.'s knowledge, the information accuracy, suitability or completeness is not guar provided. The information contained herein rela	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 Calabasas, CA 91302 USA Tel: +1 (805) 388-1000 http://www.harborfreight.com/	HARBOR FREIGHT TOOLS Quality Tools at Ridiculously Low Prices						
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:

0 Minimal Hazard 1 Slight Hazard

REACTIVITY

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

SDS Revision: 1.1

SDS Revision Date: 7/27/2015

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	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	EASURES:							

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-	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				
в			н			P.	
С			I				
D	B		J			Î	
Е			к	5			
F			X			ervisor o direction	
5.	afety Glasse	es Splash Goggles	Face	E Shield 8	k	Glov	
34			Protect	tive Eyew	ear		
	Boots	Synthetic Apron		tive Cloth Full Suit	ing	Dust Res	pirator
						Ť	
Full I	Face Respir	rator Dust & Vapor Half- Mask Respirator		ull Face spirator	A	irline Hoo or SC	
OTH	ER STAN	DARD ABBREVIATIONS	S:				
	ML	Maximum Limit					
	mg/m3	milligrams per cubic meter					

ML	Maximum Limit
	milligrama nar aubia matar

LEL UEL

ing/ins	minigrams 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 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

explode or ignite in the presence of an ignition source

Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source  $% \left( {{{\rm{D}}_{\rm{T}}}} \right) = 0$ 

Upper Explosive Limit - highest percent of vapor in air, by volume, that will

1	Slight Haza	lu		REACTIVITY			
2	Moderate H	azard		1			
3	Severe Haz	ard					
4	Extreme Ha	zard	1	2			
ACD	Acidic			<u> </u>			
ALK	Alkaline						
COR	Corrosive			**/			
₩	Use No Wa	ter	HEALTH				
ох	Oxidizer			SPECIAL			
TREFOIL	Radioactive			Theorem in the second			
TOXICOLO	GICAL INF	ORMATION:					
	LD <sub>50</sub>	Lethal Dose (solids & liv s	quids) which kills 50	% of the exposed animals			
	LC <sub>50</sub>	Lethal concentration (ga	ases) which kills 50%	of the exposed animal			
	ppm	Concentration expresse	d in parts of materia	l per million parts			
	TD <sub>io</sub>	Lowest dose to cause a	symptom				
	TCLo	Lowest concentration to	Lowest concentration to cause a symptom				
	D <sub>lo</sub> , & LD <sub>o</sub> or LC <sub>lo</sub> , & LC <sub>o</sub>	Lowest dose (or concentration) to cause lethal or toxic effects					
	IARC	International Agency for Research on Cancer					
	NTP	National Toxicology Program					
	RTECS	Registry of Toxic Effects of Chemical Substances					
	BCF	Bioconcentration Factor					
	TLm	Median threshold limit					
log K <sub>ov</sub>	w or log K <sub>oc</sub>	Coefficient of Oil/Water	Distribution				
REGULATO	ORY INFOR	MATION:					
WHMIS	Canadian W	/orkplace Hazardous Mat	erial Information Sys	tem			
DOT	U.S. Depart	ment of Transportation					
тс	Transport C	anada					
EPA	U.S. Enviro	nmental Protection Agence	у				
DSL	Canadian Domestic Substance List						
NOHSC	National Oc	cupational Health and Sa	fety Commission (Au	ustralia)			
NDSL	Canadian N	Canadian Non-Domestic Substance List					
PSL	Canadian P	riority Substances List					
TSCA	U.S. Toxic S	Substance Control Act					
EU	European U	Inion (European Union Di	ective 67/548/EEC)				
WGK	Wassergefä	ihrdungsklassen (German	Water Hazard Clas	s)			
	Netter al De	in al Baint & Casting Anna intin Hannedaux Matariala Idantification Custom					

HMIS-III National Paint & Coatings Association Hazardous Materials Identification System

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

$\bigcirc$	۲	٨		(†	۲		Ŕ
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:

<b>V</b>		*		0	<b>e</b> X	×	×
С	E	F	N	0	т	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

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

	<b>&gt;</b>		$\Diamond$					
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environ- ment