# **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: 7/25/2015

		1.	PRODUC <sup>*</sup>	T & COM	<b>PANY</b>	IDEI	NTIF	ICAT	ΓΙΟN					
.1	Product Name:	3 PIECE	SUPER G	LUE GEL	_									
.2	Chemical Name:	Ethyl-2 Cyano												
3	Synonyms:	P/N 67190	•											
4	Trade Names:	Harbor Freigh	nt Tools											
5	Product Uses & Restrictions:	Adhesive												
6	Distributor's Name:	Harbor Freigh	nt Tools USA, In	C.										
7	Distributor's Address:	26541 Agoura	a Road, Calabas	sas, CA 91302	USA									
8	Emergency Phone:	CHEMTRE	C: +1 (703)	527-3887 /	+1 (800	) 424	-9300	(CCN	N 67668	37)				
9	Business Phone / Fax:	+1 (805) 388-			`									
.1	Hazard Identification:		2. HA	ZARDS I										
		Hazard State reaction. H3 Precautionary Smoking. P2 P264 – Was Contaminated gloves/protect	n: Skin Irrit.2; Skements (H): H3 19 - Causes sey Statements (P 233 - Keep contsh exposed skid work clothing stive clothing/eye ter. P305+P35	in 15 — Causes rious eye irritar ): P210 — Kee lainer tightly c in areas thoro should not be be protection/fa in 151 — Fasta IF	skin irrition. H33 ep away filosed. P2 bughly with allowed of ce protect. IN EYES	tation. 5 – Ma rom he 61 – A th soa out of th tion. F 6 – Rin	H317 y caus at/spai void bi p and ne wor 2302+F ise coi	e respir rks/oper reathing water kplace. 2352 – ntinuous	ratory irrit n flame/h g fume/ m after ha P280 – IF ON SI sly with v	ation. ot surfa nist/vapo ndling. - Wear KIN – V water fo	oces – ors/spra P272 protect Vash wor seve	No ay. : – ive vith	<b>(!</b>	>
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SDS Revision: 1.1 Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 7/25/2015 4. FIRST AID MEASURES - cont'd If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system 42 Effects of Exposure: Ingestion: Vapor of this product may be mildly to moderately irritation to the eyes. Symptoms of overexposure may Eyes: include redness, itching, irritation and watering. WARNING! THIS PRODUCT WILL BOND SKIN INSTANTLY May be irritating to skin in some sensitive Skin: individuals, especially after prolonged or repeated skin contact. May bond skin to clothing and release heat, causing burns. Inhalation of vapors is unlikely under normal conditions of use. Vapors of this product may be slightly Inhalation: irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion, and difficulty breathing. Inhalation of vapors exceeding the levels listed in Section 3 (Composition and Ingredient Information) can cause central nervous system depression (e.g., drowsiness, dizziness, headaches, nausea). Clothing: May undergo rapid polymerization on contact with clothing, releasing heat. Skin burns may result. 4.3 Symptoms of Overexposure: Symptoms of skin overexposure in some sensitive individuals may include redness, itching, and irritation of affected areas. Overexposure of vapor in eyes may cause redness, itching and watering. Acute Health Effects 4.4 Mild to moderate irritation to skin near affected areas. Vapor of this product may be mildly to moderately irritating to the eyes and mucous membranes. Symptoms of overexposure may include redness, itching, irritation and watering. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea. 4.5 Chronic Health Effects: Possible allergic dermatitis in some sensitive individuals 46 Target Organs: Eyes, Skin, Respiratory System. 47 Medical Conditions Pre-existing dermatitis, other skin conditions. **HEALTH** 2 Aggravated by Exposure: **FLAMMABILITY** 1 PHYSICAL HAZARDS 2 PROTECTIVE EQUIPMENT В **EYES** SKIN 5. FIREFIGHTING MEASURES 5.1 Fire & Explosion Hazards: Rapid polymerization may occur at very high temperatures. 5.2 Extinguishing Methods CO<sub>2</sub>, Halon (if permitted), Dry Chemical 5.3 Firefighting Procedures: When involved in a fire, this product will ignite readily and decompose to produce oxides of carbon and nitrogen and hydrogen cyanide. Vapors of this product are heavier than air and may travel to a source of ignition and flash back to a leaking or open container. First responders should wear eve protection. Structural firefighters must wear SCBAs and full protective equipment. Use a water spray or fog to reduce or direct vapors. Water may not be effective in actually extinguishing a fire involving this product. 6. ACCIDENTAL RELEASE MEASURES 6.1 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: Avoid prolonged or repeated skin contact. Avoid breathing vapors of this product. Use eye protection when using this product. Use in a well-ventilated location (e.g., local exhaust ventilation, fans). After use, wash hands and exposed skin with soap & water. Do not eat, drink or smoke while handling product. Storage & Handling: Open containers slowly on a stable surface. Keep container closed tightly when not in use. Empty container may 7.2 contain residual amounts of this product; therefore, empty containers should be handled with care. Store containers in a cool, dry location, away from direct sunlight, other light sources, or sources of intense heat. Store away from incompatible materials (see Section 10, Stability and Reactivity). Special Precautions: 7.3 Open containers slowly on a stable surface. Keep container tightly closed when not in use. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care.

11.4

11.5

Chronic Toxicity:

Suspected Carcinogen:

See Section 4.5

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.1 SDS Revision Date: 7/25/2015 8. EXPOSURE CONTROLS & PERSONAL PROTECTION 8.1 Exposure Limits: ACGIH NOHSC OSHA OTHER ppm (mg/m<sup>3</sup>) TLV ES-TWA ES-PEAK CHEMICAL NAME(S) STEL ES-STEL PEL STEL **IDLH** ETHYL-2 CYANOACRYLATE (0.2)NA NF NF NF NA NA NA **HYDROQUINONE** NF NA NA 2 NA NA NA 50 8.2 General mechanical (e.g., fans) or natural ventilation is sufficient when this product is in use. Use local or general Ventilation & Engineering 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). 8.3 Respiratory Protection: In instances where dusts are generated when using this product, 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. 8.4 Eye Protection: Safety glasses with side shields should be used with this product. This product is irritating to the eyes. Hand Protection: WARNING! THIS PRODUCT WILL BOND SKIN INSTANTLY. Therefore, the use of latex or rubber gloves is recommended. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the EU member states. 8.6 Body Protection: WARNING! THIS PRODUCT WILL BOND SKIN INSTANTLY. Therefore, the use of an apron is recommended. When handling large quantities (e.g., ≥ 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water. If necessary, refer to appropriate standards of Canada, the EU member states, or U.S. OSHA. 9. PHYSICAL & CHEMICAL PROPERTIES 9.1 Appearance: Clear colorless liquid 92 Odor: Characteristic 9.3 Odor Threshold: NA 9.4 pH: NA 9.5 Melting Point/Freezing Point: NA 9.6 Initial Boiling Point/Boiling 60-70 @ 3-5 mm Hg Range: Flashpoint: 9.7 80 °C (176 °F) 9.8 Upper/Lower Flammability NA Limits: 99 Vapor Pressure: 0.02 kPa 9.10 Vapor Density: 9.11 Relative Density: 1.07 @ 20 °C 9.12 Solubility: Insoluble in water. Cured material is soluble in acetone 9.13 Partition Coefficient (log Pow): NA 9.14 Autoignition Temperature: NA Decomposition Temperature: 9.15 NA 9.16 Viscosity 40-60 cPs 9.17 Other Information: VOC: < 2% g/l (California SCAQMD Method 316B)(Estimated) 10. STABILITY & REACTIVITY 10.1 Stability Stable under ambient conditions when stored properly (see Section 7, Storage and Handling). 10.2 Hazardous Decomposition If exposed to extremely high temperatures, the products of thermal decomposition may include irritating vapors and Products: carbon oxide gases and hydrogen cyanide (e.g., CO, CO2, HCN). 10.3 Hazardous Polymerization: May occur, if exposed to extremely high temperatures or exposed to moisture. 10.4 Conditions to Avoid: Exposure to or contact with extreme temperatures, strong light sources or incompatible materials. 10.5 Incompatible Substances This product is incompatible with strong oxidizers (e.g., peroxides, superoxides), strong acids (e.g., hydrochloric or muriatic acids), or strong bases (e.g., lye, potassium hydroxide). 11. TOXICOLOGICAL INFORMATION 11.1 Routes of Entry Inhalation: YES 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, but is not presented in this document. 11.3 Acute Toxicity: See Section 4.4

Hydroquinone is listed as ACGIH Group A3 (Confirmed animal carcinogen with unknown relevance to human).

## 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: 7/25/2015 11. TOXICOLOGICAL INFORMATION – cont'd 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 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: ΝE Physician Recommendations: Treat symptomatically. 12. ECOLOGICAL INFORMATION This product will slowly volatile from soil. Components of this product will slowly decompose into organic compounds. 12.1 Environmental Stability: 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): 14.1 **NOT REGULATED** IATA (AIR): UN3334, AVIATION REGULATED LIQUID, N.O.S. (ETHYL CYANOACRYLATE), 9, III 14.2 Аĥ (LTD QTY, IP VOL  $\leq$  5.0 L) 14.3 IMDG (OCN): **NOT REGULATED** 14.4 TDGR (Canadian GND): **NOT REGULATED** 14.5 ADR/RID (EU): **NOT REGULATED** 14.6 SCT (MEXICO): NOT REGULATED ADGR (AUS): 14.7 **NOT REGULATED** 14.8 SPECIAL NOTES: \* This product may also be shipped as an Excepted Quantity (Inner Package Volume ≤ 30 mL, Total Quantity ≤ 500 mL per Outer Package) 15. REGULATORY INFORMATION SARA Reporting 15.1 This product contains Hydroquinone, a substance subject to SARA Title III, section 313 reporting requirements. Requirements 15.2 SARA Threshold Planning Hydroquinone: 500 kg (1,000 lbs) Quantity: 15.3 TSCA Inventory Status: The components of this product are listed on the TSCA Inventory or are otherwise exempt CERCLA Reportable Quantity 15.4 Hydroquinone: 45.4 kg (100 lbs) (RQ) None of the ingredients are listed as Hazardous Air Pollutants (HAPs). None of the ingredients are listed as Toxic 15.5 Other Federal Requirements: 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: Ethyl Cyanoacrylate is found on the following state criteria listS: New Jersey Right-to-Know List (NJ). Hydroquinone is found on the following state criteria list: FL, MA, MN, NY 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). Other Requirements: The primary components of this product are listed in Annex I of EU Directive 67/548/EEC: Ethyl Cyanoacrylate: Irritant (Xi). Risk Phrases (R): 36/37/38-43 - Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact. Safety Phrases (S): 2-24/25-26-46Keep away from children. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed, seek medical advice immediately and show this SDS or container label.

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.1 SDS Revision Date: 7/25/2015 16. OTHER INFORMATION Other Information: WARNING! CAUSES SKIN IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES SERIOUS EYE MAY CAUSE RESPIRATORY IRRITATION. WARNING: THIS PRODUCT BONDS SKIN IMMEDIATELY. Use only as directed. Obtain special instructions before use. Make sure all safety precautions are read and understood. Avoid breathing fume/ mist/vapors/spray. Wash exposed skin areas thoroughly with soap and water after handling. 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. Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep cool. KEEP 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

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SDS Revision: 1.1

SDS Revision Date: 7/25/2015

### **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.	hemical 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:

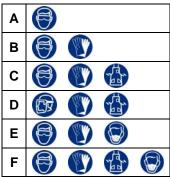
CPR Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.

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

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



#### PERSONAL PROTECTION RATINGS:







Splash Goggles





Synthetic Apron

Protective Clothing & Full Suit

Dust Respirator





apor Half- Full Face

Airline Hood/Mask or SCBA

### OTHER STANDARD ABBREVIATIONS:

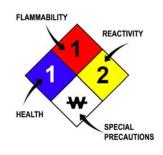
ML	Maximum Limit						
mg/m3	milligrams per cubic meter						
NA	NA Not Available						
ND	Not Determined						
NE	Not Established						
NF	Not Found						
NR	No Results						
ppm	parts per million						
SCBA	Self-Contained Breathing Apparatus						

### 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	nadian Workplace Hazardous Material Information System						
DOT	U.S. Department of Transportation						
TC	Transport Canada						
EPA	U.S. Environmental Protection Agency						
DSL	Canadian Domestic Substance List						
NOHSC	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:

	WORKER EXIST TIMES AND GOOD MIXTEENING DELIVER TO AND TO TELLE.								
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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