HARBOR FREIGHT TOOLS

SAFETY DATA SHEET

Page 1 of 6 HFT-66560

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

SDS Revision: 1.1

SDS Revision Date: 7/25/2015



43

44

4.5

4.6

47

5.1

5.2

5.3

6.1

7.1

7.2

7.3

8.1

8.2

Page 2 of 6 HFT-66560

2

3

0 В

SAFETY DATA SHEET HARBOR FREIGHT TOOLS Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.1 SDS Revision Date: 7/25/2015 4. FIRST AID MEASURES – cont'd Intestinal discomfort, nausea, vomiting, and diarrhea. Symptoms of Overexposure: Ingestion: Eyes: Mild irritation, redness, and watering, Contact dermatitis, characterized by localized red or puffy dry skin and itching. Skin: Acute overexposure may include signs and symptoms such as watery eyes, nose and throat irritation, Inhalation: headache, dizziness, metal fume fever, difficulty in breathing, frequent coughing, or chest pain. Acute Health Effects Gastrointestinal irritation and central nervous system depression. Ingestion: Mild to moderate irritant. Eyes: Skin: Prolonged or repeated contact may cause contact dermatitis (localized redness or rash). Acute overexposure may include signs and symptoms such as watery eyes, nose and throat irritation, Inhalation: headache, difficulty in breathing, frequent coughing, or chest pain. Chronic Health Effects: May be harmful if inhaled. Target Organs: Eyes, Skin, Respiratory System Medical Conditions Individuals with allergies or impaired respiratory function may have HEALTH Aggravated by Exposure: symptoms worsened by exposure. FLAMMABILITY PHYSICAL HAZARDS **PROTECTIVE EQUIPMENT** EYES SKIN LUNGS 5. FIREFIGHTING MEASURES Fire & Explosion Hazards Magnesium is a flammable solid that is water reactive. When heated in air to a temperature near its melting point. Magnesium alloys ignite and burn with a white flame. Use of water on burning magnesium will produce hydrogen gas and may cause and explosion. Extinguishing Methods: Dry sand or salt (NaCl), class D dry-powder extinguisher or Met-L-X extinguisher. DO NOT USE water, CO₂ extinguisher and halogenated agents. Use Dry sand or salt (NaCl), class D dry-powder extinguisher to extinguish. All exposed surfaces Firefighting Procedures: cover with sand or metal extinguisher-powder. Material should not be mixed until the material has been allowed to cool. Firefighters should wear a MSHA/NIOSH approved or equivalent selfcontained breathing apparatus (SCBA) and protective clothing. Fire should be fought from a safe distance. Keep containers cool until well after the fire is out. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. 6. ACCIDENTAL RELEASE MEASURES Spills: Before cleaning any spill, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment including gloves, glasses and NIOSH approved (or equivalent) dust respirator. Use only non-sparking tools. Remove all sources of ignition, avoid development of dust, pick up with shovels, and place in signed closeable containers. Avoid contact of material with water and acids. Rubbing product with metallic objects may cause sparking or fire. Wash all affected areas. Remove any contaminated clothing and wash thoroughly before reuse. Keep spills and cleaning runoffs out of drains, municipal sewers and open bodies of water. 7. HANDLING & STORAGE INFORMATION Avoid contact to eyes, skin, and mucous membranes. Avoid inhalation of dusts. Wash thoroughly after handling and Work & Hygiene Practices: use. Do not smoke, eat, drink, chew gum or tobacco, or apply cosmetics within the working area. Do not store or bring tobacco products, gum, food, drinks or cosmetics within the working area. Otherwise follow the standards of good industrial hygiene practices. Storage & Handling: Maintain air gap between stacks or pallets. Protect from moisture. Keep Cool. Ground and bond container and receiving equipment. Store in a dry place. Store in a closed container. Keep product contained and retain all warning and identity labels. Preferred storage is a sheltered cool area with temperature and humidity control to prevent high humidity. Keep away from incompatible materials listed in Section 10. Special Precautions: Read and understand the manufacturer's instructions and the precautionary label on this product. Do not allow contact with water. Handle and store contents under inert gas. Protect from moisture. Store in a dry place. Store in a closed container. Protect containers from physical damage. Maintain air gap between stacks or pallets. 8. EXPOSURE CONTROLS & PERSONAL PROTECTION Exposure Limits: ACGIH NOHSC OSHA OTHER ppm (mg/m³) ES-ES-STEL ES-TWA STEL PEAK STEL CHEMICAL NAME(S) TLV PEL IDLH IRON (5) NF NF NF NA 0.5 - NIOSHNA (10)NA Ventilation & Engineering Use industrial hygiene monitoring equipment to ensure that exposure does not exceed threshold limit values. Use with Controls adequate ventilation (e.g., open doors and windows, local exhaust ventilation). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station). Use in a chemical fume hood when working with large quantities of product and provide adequate ventilation (e.g., local exhaust ventilation, fans)

SAFETY DATA SHEET

Page 3 of 6 **HFT-66560**

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

SDS Revision: 1.1

SDS Revision Date: 7/25/2015

	ared to USHA, ACC, ANSI, N	
	8.	EXPOSURE CONTROLS & PERSONAL PROTECTION – cont'd
8.3	Respiratory Protection:	Normally not necessary. In instances where dust 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.
8.4	Eye Protection:	Normally not necessary. Avoid eye contact. ANSI approved safety glasses with side shields should be used when handling or using this sealed electric storage battery. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
8.5	Hand Protection:	Normally not necessary. 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:	No apron required when handling. Eye wash stations and deluge showers should be available. If necessary, refer to appropriate standards of Canada, the EU member states, or U.S. OSHA.
	•	
<u> </u>	1.	9. PHYSICAL & CHEMICAL PROPERTIES
9.1 9.2	Appearance: Odor:	Solid, metallic dark-grey article.
9.2	Odor Threshold:	Odorless NA
9.4	pH:	NA
9.5	Melting Point/Freezing Point:	
9.6	Initial Boiling Point/Boiling	> 600 °C (1112 °F)
9.0	Range:	> 1000 °C (1832 °F)
9.7	Flashpoint:	NA
9.8	Upper/Lower Flammability	NA
9.9	Limits: Vapor Pressure:	NA
9.9 9.10	Vapor Density:	NA
9.11	Relative Density:	Magnesium ≈1.74; rare earth metal ≈6.5; Iron ≈7.87
9.12	Solubility:	Insoluble
9.13	Partition Coefficient (log Pow):	NA
9.14	Autoignition Temperature:	Magnesium 473 °C (883.4 °F)
9.15	Decomposition Temperature:	NA
9.16	Viscosity:	NA
9.17	Other Information:	NA
		10. STABILITY & REACTIVITY
10.1	Stability:	Lumpy material is stable against corrosion. Fine material may ignite during handling.
10.1 10.2	Hazardous Decomposition	Lumpy material is stable against corrosion. Fine material may ignite during handling.
10.2	Hazardous Decomposition Products:	The material forms hydrogen when in contact with water or acids.
10.2 10.3	Hazardous Decomposition Products: Hazardous Polymerization:	The material forms hydrogen when in contact with water or acids. Will not occur.
10.2 10.3 10.4	Hazardous Decomposition Products: Hazardous Polymerization: Conditions to Avoid:	The material forms hydrogen when in contact with water or acids. Will not occur. Use or storage near incompatible substances. Moisture and water
10.2 10.3 10.4	Hazardous Decomposition Products: Hazardous Polymerization:	The material forms hydrogen when in contact with water or acids. Will not occur.
10.2 10.3 10.4	Hazardous Decomposition Products: Hazardous Polymerization: Conditions to Avoid:	The material forms hydrogen when in contact with water or acids. Will not occur. Use or storage near incompatible substances. Moisture and water
10.2 10.3 10.4 10.5	Hazardous Decomposition Products: Hazardous Polymerization: Conditions to Avoid:	The material forms hydrogen when in contact with water or acids. Will not occur. Use or storage near incompatible substances. Moisture and water Strong oxidizing agents, strong acids and bases. Moisture and water
10.2 10.3 10.4 10.5 11.1	Hazardous Decomposition Products: Hazardous Polymerization: Conditions to Avoid: Incompatible Substances:	The material forms hydrogen when in contact with water or acids. Will not occur. Use or storage near incompatible substances. Moisture and water Strong oxidizing agents, strong acids and bases. Moisture and water 11. TOXICOLOGICAL INFORMATION Inhalation: NO Absorption: YES Ingestion: YES
10.2 10.3 10.4 10.5 11.1 11.2	Hazardous Decomposition Products: Hazardous Polymerization: Conditions to Avoid: Incompatible Substances: Routes of Entry:	The material forms hydrogen when in contact with water or acids. Will not occur. Use or storage near incompatible substances. Moisture and water Strong oxidizing agents, strong acids and bases. Moisture and water 11. TOXICOLOGICAL INFORMATION Inhalation: NO Absorption: YES Inhalation: NO Absorption: YES Inscription: YES
10.2 10.3 10.4 10.5 11.1 11.2 11.3	Hazardous Decomposition Products: Hazardous Polymerization: Conditions to Avoid: Incompatible Substances: Routes of Entry: Toxicity Data:	The material forms hydrogen when in contact with water or acids. Will not occur. Use or storage near incompatible substances. Moisture and water Strong oxidizing agents, strong acids and bases. Moisture and water 11. TOXICOLOGICAL INFORMATION Inhalation: NO Absorption: YES Inhalation: NO Absorption: YES Inhalation: NO Absorption: YES Inhalation: NO Absorption: YES Induction: NO Absorption: YES Inhalation: NO Absorption: YES Induction: NO Absorption: YES Inhalation: NO Absorption: YES Inhalation: NO Absorption: YES Inhalation: NO Absorption: YES Inhalation: NO Interview Interview Inhalation: NO Interview Interview Interview Interview </td
10.2 10.3 10.4 10.5 11.1 11.2 11.3 11.4	Hazardous Decomposition Products: Hazardous Polymerization: Conditions to Avoid: Incompatible Substances: Routes of Entry: Toxicity Data: Acute Toxicity:	The material forms hydrogen when in contact with water or acids. Will not occur. Use or storage near incompatible substances. Moisture and water Strong oxidizing agents, strong acids and bases. Moisture and water Inhalation: NO Absorption: YES Inhalation: NO See Section 4.4 Inhalation:
10.2 10.3 10.4 10.5 11.1 11.2 11.3 11.4 11.5	Hazardous Decomposition Products: Hazardous Polymerization: Conditions to Avoid: Incompatible Substances: Routes of Entry: Toxicity Data: Acute Toxicity: Chronic Toxicity:	The material forms hydrogen when in contact with water or acids. Will not occur. Use or storage near incompatible substances. Moisture and water Strong oxidizing agents, strong acids and bases. Moisture and water Interstand Moisture and water Inhalation: NO Absorption: YES Inhalation: NO Absorption: YES Inhalation: NO Absorption: YES Inhalation: NO Absorption: YES Inhalation: NO Absorption: YES Inhalation: NO Absorption: YES Inhalation: NO Absorption: YES Inhalation: NO Absorption: YES Inhalation: NO See Section 4.4 See Section 4.5
10.2 10.3 10.4 10.5 11.1 11.2 11.3 11.4 11.5	Hazardous Decomposition Products: Hazardous Polymerization: Conditions to Avoid: Incompatible Substances: Routes of Entry: Toxicity Data: Acute Toxicity: Chronic Toxicity: Suspected Carcinogen:	The material forms hydrogen when in contact with water or acids. Will not occur. Use or storage near incompatible substances. Moisture and water Strong oxidizing agents, strong acids and bases. Moisture and water Interview of the product of the product, but is not presented in this document. See Section 4.4 See Section 4.5 NA
10.2 10.3 10.4 10.5 11.1 11.2 11.3 11.4 11.5	Hazardous Decomposition Products: Hazardous Polymerization: Conditions to Avoid: Incompatible Substances: Routes of Entry: Toxicity Data: Acute Toxicity: Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity:	The material forms hydrogen when in contact with water or acids. Will not occur. Use or storage near incompatible substances. Moisture and water Strong oxidizing agents, strong acids and bases. Moisture and water 11. TOXICOLOGICAL INFORMATION Inhalation: NO Absorption: YES Inhalation: NO Absorption: YES Inhalation: NO Absorption: YES Inspection: YES NO Absorption: YES Ingestion: YES See Section 4.4 See Section 4.5 NA This product is not reported to cause reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans.
10.2 10.3 10.4 10.5 11.1 11.2 11.3 11.4 11.5	Hazardous Decomposition Products: Hazardous Polymerization: Conditions to Avoid: Incompatible Substances: Routes of Entry: Toxicity Data: Acute Toxicity: Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity:	The material forms hydrogen when in contact with water or acids. Will not occur. Use or storage near incompatible substances. Moisture and water Strong oxidizing agents, strong acids and bases. Moisture and water Intensitient of the product of the product of the product, but is not presented in this document. See Section 4.4 See Section 4.5 NA This product is not reported to cause reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans.
10.2 10.3 10.4 10.5 11.1 11.2 11.3 11.4 11.5	Hazardous Decomposition Products: Hazardous Polymerization: Conditions to Avoid: Incompatible Substances: Routes of Entry: Toxicity Data: Acute Toxicity: Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity:	The material forms hydrogen when in contact with water or acids. Will not occur. Use or storage near incompatible substances. Moisture and water Strong oxidizing agents, strong acids and bases. Moisture and water Interview of the product of the product of the product, but is not presented in this document. See Section 4.4 See Section 4.5 NA This product is not reported to cause reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans.
10.2 10.3 10.4 10.5 11.1 11.2 11.3 11.4 11.5 11.6	Hazardous Decomposition Products: Hazardous Polymerization: Conditions to Avoid: Incompatible Substances: Routes of Entry: Toxicity Data: Acute Toxicity: Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity:	The material forms hydrogen when in contact with water or acids. Will not occur. Use or storage near incompatible substances. Moisture and water Strong oxidizing agents, strong acids and bases. Moisture and water Intendetion: NO Inhalation: NO Absorption: YES Inhalation: NO Absorption: YES This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, available for some of the components of the product, but is not presented in this document. See Section 4.4 See Section 4.5 NA This product is not reported to cause reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans.
10.2 10.3 10.4 10.5 11.1 11.2 11.3 11.4 11.5 11.6 11.7	Hazardous Decomposition Products: Hazardous Polymerization: Conditions to Avoid: Incompatible Substances: Routes of Entry: Toxicity Data: Acute Toxicity: Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity:	The material forms hydrogen when in contact with water or acids. Will not occur. Use or storage near incompatible substances. Moisture and water Strong oxidizing agents, strong acids and bases. Moisture and water Inhalation: NO Inhalation: NO Absorption: YES Inhalation: YES This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, available for some of the components of the product, but is not presented in this document. See Section 4.4 See See Section 4.5 NA This product is not reported to cause reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to cause teratoge
10.2 10.3 10.4 10.5 11.1 11.2 11.3 11.4 11.5 11.6 11.7 11.8	Hazardous Decomposition Products: Hazardous Polymerization: Conditions to Avoid: Incompatible Substances: Routes of Entry: Toxicity Data: Acute Toxicity: Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product:	The material forms hydrogen when in contact with water or acids. Will not occur. Use or storage near incompatible substances. Moisture and water Strong oxidizing agents, strong acids and bases. Moisture and water Inhalation: NO Inhalation: NO Absorption: YES Inhalation: NO Absorption: YES This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, available for some of the components of the product, but is not presented in this document. See Section 4.4 See Section 4.5 NA This product is not reported to cause reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. See 4.3
10.2 10.3 10.4 10.5 11.1 11.2 11.3 11.4 11.5 11.6 11.7 11.8	Hazardous Decomposition Products: Hazardous Polymerization: Conditions to Avoid: Incompatible Substances: Routes of Entry: Toxicity Data: Acute Toxicity: Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices:	The material forms hydrogen when in contact with water or acids. Will not occur. Use or storage near incompatible substances. Moisture and water Strong oxidizing agents, strong acids and bases. Moisture and water 11. TOXICOLOGICAL INFORMATION Inhalation: NO Absorption: YES Inhalation: NO Absorption: YES Inhalation: NO Absorption: YES Inspection: YES This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, available for some of the components of the product, but is not presented in this document. See Section 4.4 See Section 4.5 NA This product is not reported to cause reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause terproductive effects in humans. This product is not reported to cause terproductive effects in humans. This product is not reported to cause terproductive effects in humans. See 4.3 NE NE
10.2 10.3 10.4 10.5 11.1 11.2 11.3 11.4 11.5 11.6 11.7 11.8 11.9	Hazardous Decomposition Products: Hazardous Polymerization: Conditions to Avoid: Incompatible Substances: Routes of Entry: Toxicity Data: Acute Toxicity: Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices:	The material forms hydrogen when in contact with water or acids. Will not occur. Use or storage near incompatible substances. Moisture and water Strong oxidizing agents, strong acids and bases. Moisture and water Infinition: NO Inhalation: NO Absorption: YES Infinition: NO Absorption: YES Infinition: NO Absorption: YES Infinition: NO Absorption: YES This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, available for some of the components of the product, but is not presented in this document. See Section 4.4 See Section 4.5 NA This product is not reported to cause reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause reproductive effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. See 4.3 NE Treat symptomatically.
10.2	Hazardous Decomposition Products: Hazardous Polymerization: Conditions to Avoid: Incompatible Substances: Routes of Entry: Toxicity Data: Acute Toxicity: Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices: Physician Recommendations:	The material forms hydrogen when in contact with water or acids. Will not occur. Use or storage near incompatible substances. Moisture and water Strong oxidizing agents, strong acids and bases. Moisture and water 11. TOXICOLOGICAL INFORMATION Inhalation: NO Absorption: YES Ingestion: YES This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, available for some of the components of the product, but is not presented in this document. See Section 4.4 See Section 4.5 NA This product is not reported to cause reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause reproductive effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause reproductive effects in humans. NE Treat symptomatically. 12. ECOLOGICAL INFORMATION

HARBOR FREIGHT TOOLS Quality Tools at Ridiculously Low Prices

SAFETY DATA SHEET

Page 4 of 6 HFT-66560

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

SDS Revision: 1.1

SDS Revision Date: 7/25/2015

13. DISPOSAL CONSIDERATIONS				
13.1	Waste Disposal:	Waste disposal must be in accordance with appropriate Federal, state, provincial 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.				
14.1	49 CFR (GND):	NOT REGULATED			
14.2	IATA (AIR):	NOT REGULATED			
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			
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 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:	NA
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. The following chemicals are listed on the Ingredient Disclosure List: Chromium, Manganese, and Molybdenum. WHMIS Classification: D2B (Other Toxic Effects).
15.7	State Regulatory Information:	Magnesium is found on the following state criteria lists: Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Pennsylvania Right-to-Know List (PA) None other 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). <u>Risk Phrases</u> (R): 9-20-24/25 - Use only in well ventilated areas. Harmful by inhalation. Avoid contact with skin and eyes. <u>Safety Phrases</u> (S): 22-36/37/39-38-51 - Do not breathe fumes. Wear suitable protective clothing, gloves and eye/face protection. In case of insufficient ventilation wear suitable respiratory equipment. Use only in well-ventilated areas.

SAFETY DATA SHEET

Page 5 of 6 HFT-66560

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				
16.1	16.1 Other Information: DANGER! FLAMMABLE SOLID. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES SERIOUS EYE IRRITATION. MAY BE HARMFUL IF INHALED. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing dust. Wash thoroughly after handling. Wear protective gloves/eye protection/face protection. IF INHALED: Call a POISON CENTER/doctor if you feel unwell. IF ON SKIN: Wash with soap and water. If skin irritation occurs: Get medical advice/attention. IF IN EYES: Rinse immediately with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. P370+P378 – In case of fire: Use Dry sand or salt (NaCl), class D dry-powder extinguisher. DO NOT USE water, CO ₂ -extinguisher and halogenated agents. Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF). 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 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

Page 6 of 6 HFT-66560

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

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. Chemical Abstract Service Number

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
С	Ceiling Limit
ES	Exposure Standard (Australia)
IDLH	Immediately Dangerous to Life and Health
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
STEL	Short-Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average

FIRST AID MEASURES:

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

HMIS-III HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard	HEALTH
1	Slight Hazard	FLAMMABILITY
2	Moderate Hazard	PHYSICAL HAZARDS
3	Severe Hazard	PERSONAL PROTECTION
4	Extreme Hazard	

PERSONAL PROTECTION RATINGS:

Α	6		G			
в	0		н			
С		E 1	I			
D	B	E.J.	J			
Е			κ			
F			Х		r supervisor or ling directions.	
Safety Glasses Splash Goggles			e Shield & tive Eyewear	Gloves	5	
Boots Synthetic Apron		Protec &	tive Clothing Full Suit	Dust Respi	rator	
Full Face Respirator			ull Face espirator	Airline Hood or SCB		
отн						

OTHER STANDARD ABBREVIATIONS:

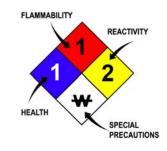
ML	Maximum Limit	
mg/m3	mg/m3 milligrams per cubic meter	
NA	Not Available	
ND	Not Determined	
NE	Not Established	
NF	Not Found	
NR	No Results	
ppm	parts per million	
SCBA	Self-Contained Breathing Apparatus	

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

Autoignition Minimum temperature required to initiate combustion in air with no other source of ignition	
LEL Leven Evelopic Limit levent approach of very single in the tradition of the second state of the second	
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 wi	
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
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals				
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 _{io} , & LC _o					
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 _{ow} or log K _{oc}	Coefficient of Oil/Water Distribution				

REGULATORY INFORMATION:

WHMIS	Canadian 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	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:

\bigcirc	۲	٨		Ð	۲		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:

N		×	¥	8	e X	×	×
С	E	F	N	0	т	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizina	Toxic	Irritant	Harmful

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

			\diamondsuit	A CONTRACT OF A				
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environ- ment