HARBOR FREIGHT TOOLS

SAFETY DATA SHEET

Page 1 of 6 HFT-92404

	ared to OSHA, ACC, ANSI, I	,										
		1.	PRODUC	T & COM	PANY		IFICA	TION				
1.1	Product Name:	1	ALINE BA		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
1.2	Chemical Name:	Alkaline Batte	erv									
1.3	Synonyms:	P/N 92404	•									
1.4	Trade Names:	Thunderbolt N	Magnum									
.5	Product Uses & Restrictions:	Electric Stora	<u>v</u>									
.6	Distributor's Name:		nt Tools USA, I	nc.								
.7	Distributor's Address:	v	,	asas, CA 91302	USA							
.8	Emergency Phone:			527-3887 /		424-93	00 (CC	N 67668	7)			
1.9	Business Phone / Fax:	+1 (805) 388-		021-00017	. 1 (000)	-24-30	00 (00	11 07 000				
			2. H/	AZARDS I	DENTI	FICAT	ION					
		EFFECTS. Hazard States effects. Precautionary water thoroug Avoid release	<u>ments</u> (H): H30 <u>/ Statements</u> (I phly after handl to the enviror	SWALLOWED 02 – Harmful if s P): P264 – Wa ling. P270 – Do ument. P280 –	swallowed ash hands o not eat, c Wear prot	. H411 – and expo Irink or sm ective glo	Toxic to a sed skin noke while ves/eye p	aquatic life areas with e sing this p protection. I	with lon soap a product. 2301+P	ng lasti nd war P273 2312 –	ng rm } – IF	
		Collect spillag facility (TSDF IF INGESTE collect, day of	ge. P501 – Dis). <u>D</u> : Call the N or night. In Ca	ON CENTER/d spose of conten anada, call +1 (ION & INC	TTERY IN (416) 813-	er to licen IGESTION 5900.	ses treat	ment, stora NE at +1	ge and (202) 6	dispos	sal	
		Collect spillag facility (TSDF IF INGESTE collect, day of	ge. P501 – Dis). <u>D</u> : Call the N or night. In Ca	spose of conten	TTERY IN (416) 813-	er to licen IGESTION 5900.	ses treat	ment, stora NE at +1 MATION	ge and (202) 6	dispos 625-33	sal 33	
		Collect spillag facility (TSDF IF INGESTE collect, day of	ge. P501 – Dis). <u>D</u> : Call the N or night. In Ca	spose of conten	TTERY IN (416) 813-	er to licen IGESTION 5900.	ses treat	ment, stora NE at +1	ge and (202) 6	dispos 625-33	sal 33	
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IAN INC OT/ RON GRAI	GANESE DIOXIDE ASSIUM HYDROXIDE I (STEEL) PHITE BON BLACK	Collect spillag facility (TSDF IF INGESTE collect, day of 3. C(CAS No. 1313-13-9 Acute Tox. Or 7440-66-6 Aquatic Acute 1310-58-3 Acute Tox. Or 7439-89-6 Acute Tox. 4 ' 7782-42-5 1333-86-4	ge. P501 – Dis). <u>D</u> : Call the N or night. In Ca DMPOSIT OMPOSIT (OP0350000 ral 4; Acute Tox. ZG8600000 r1; Aquatic Chroid TT210000 ral 4; Acute Tox. NO4565500 r; Skin Corr. 1A; 1 MD9659600	EINECS No. 215-202-6 Inh. 4; H302, H33 231-175-3 nic 1; H400, H410 215-181-3 Inh. 4; H302, H33 231-096-4 H302, H314 231-955-3	115-2001 116) 813-1 116) 813-1 116) 813-1 116) 813-1 116-1 116-1 10-1 10-1 10-20 13-7 13-7	er to licen IGESTION 5900. ENT IN ACGIH ppm TLV STE (5) NA NA NA (5) NA (2.0) NA (3.5) NA	Ses treat	Ment, stora NE at +1 MATION EXPOSURE VOHSC PPM ES- ES- ES- STEL PEAK NF NF NF NF NF NF NF NF NF NF	ge and (202) (LIMITS IN PEL (5) NA (10) (5)* (3.5)	dispos 325-33 AIR (m OSHA ppm STEL NA NA NA NA NA	sal 33 g/m ³) IDLH NA NA NA NA	0.5 – NIOSH
	GANESE DIOXIDE ASSIUM HYDROXIDE I (STEEL) PHITE BON BLACK	Collect spillag facility (TSDF IF INGESTE collect, day of 3. CC CAS No. 1313-13-9 Acute Tox. Or 7440-66-6 Aquatic Acute 1310-58-3 Acute Tox. Or 7439-89-6 Acute Tox. 4 ' 7782-42-5 1333-86-4 7439-92-1	ge. P501 – Dis). D: Call the N or night. In Ca DMPOSIT OMPOSIT OP0350000 al 4; Acute Tox. ZG8600000 al 4; Acute Tox. NO4565500 ; Skin Corr. 1A; MD9659600 FF5800000 OF7525000	EINECS No. 215-202-6 Inh. 4; H302, H33 231-175-3 nic 1; H400, H410 215-181-3 Inh. 4; H302, H33 231-096-4 H302, H314 231-955-3 215-609-9	% 20-60 2 15-40 13-7 10-20 3-7 3-7 0-0.1	Error Icentification IGESTION 5900. ENT IN ICENT IN ACGIH ppm TLV STE (5) NA NA NA (5) NA (2.0) NA (3.5) NA	Ses treat	Ment, stora NE at +1 MATION EXPOSURE VOHSC PPM ES- STEL PEAK NF NF NF NF NF NF NF NF NF NF	ge and (202) (LIMITS IN PEL (5) NA (10) (5)* (3.5)	dispos 525-33 525-33 525-33 525-33 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-35 525-5 525-5 525-5 525-5 525-5 525-5 525-5 525-5 525-5 525-5 525-5 525-5 525-5 525-5 525-5 525-5 525-5 525-5 525-5 525-5 525-5 525-5 525-5 525-5 5	sal 33 g/m ³) IDLH NA NA NA NA	0.5 – NIOSH RESP FRAC
IAN INC OT/ RON GRAI	GANESE DIOXIDE ASSIUM HYDROXIDE I (STEEL) PHITE BON BLACK	Collect spillag facility (TSDF IF INGESTE collect, day of 3. CC CAS No. 1313-13-9 Acute Tox. Or 7440-66-6 Aquatic Acute 1310-58-3 Acute Tox. Or 7439-89-6 Acute Tox. 4 ' 7782-42-5 1333-86-4 7439-92-1	ge. P501 – Dis). D: Call the N or night. In Ca DMPOSIT OMPOSIT OP0350000 al 4; Acute Tox. ZG8600000 al 4; Acute Tox. NO4565500 ; Skin Corr. 1A; MD9659600 FF5800000 OF7525000	EINECS No. 215-202-6 Inh. 4; H302, H33 231-175-3 nic 1; H400, H410 215-181-3 Inh. 4; H302, H33 231-096-4 H302, H314 231-096-4 H302, H314 231-955-3 215-609-9 231-100-4 epr. 1A; STOT RE	% 20-60 2 15-40 13-7 3-7 3-7 3-7 2, Aquatic, 2, A	Ent to licen IGESTION 5900. ENT IN ACGIH ppm TLV STE (5) NA NA NA (5) NA (3.5) NA (0.05)	Ses treat	Ment, stora NE at +1 MATION EXPOSURE VOHSC ppm ES- ES- STEL PEAK NF NF NF NF NF NF NF NF NF NF NF NF NF NF NF NF (0.15) NF	ge and (202) (LIMITS IN PEL (5) NA (10) (5)* (3.5) NA H332, H	dispos 525-33 525-35 525-55	sal 33 g/m ³) IDLH NA NA NA NA NA 373, H4	0.5 – NIOSH RESP FRAC
IAN INC OT/ RON GRAI	GANESE DIOXIDE ASSIUM HYDROXIDE I (STEEL) PHITE BON BLACK	Collect spillag facility (TSDF IF INGESTE collect, day of 3. CC CAS No. 1313-13-9 Acute Tox. Or 7440-66-6 Aquatic Acute 1310-58-3 Acute Tox. Or 7439-89-6 Acute Tox. Or 7439-89-6 Acute Tox. 4 * 782-42-5 1333-86-4 5 4 4 7439-92-1 Acute Tox. 4; 7440-43-9	ge. P501 – Dis). D: Call the N or night. In Ca DMPOSIT OP0350000 al 4; Acute Tox. ZG8600000 al 4; Acute Tox. ZG8600000 al 4; Acute Tox. NO4565500 al 4; Acute Tox. NO4565500 fF55800000 GF7525000 Acute Tox. 4; Re NA	EINECS No. 215-202-6 Inh. 4; H302, H33 231-175-3 nic 1; H400, H410 215-181-3 Inh. 4; H302, H33 231-096-4 H302, H314 2231-096-4 H302, H314 2215-609-9 231-100-4 epr. 1A; STOT RE 231-152-8	11 11 11 11 11 11 11 11 11 11 11 12 12 12 13 13 13 13 13 13 13 13 10	er to licen IGESTION 5900. ENT IN ACGIH ppm TLV STE (5) NA NA NA NA NA (5) NA (2.0) NA (3.5) NA (3.5) NA (0.05) NA Acute 1; Aq (0.01) NA	Ses treat	Ment, stora	ge and (202) (LIMITS IN PEL (5) NA (10) (5)* (3.5) (3.5) NA H332, H (0.1)	dispos 525-33 525-35 525-55	sal 33 (m ³) IDLH NA NA NA NA NA NA (9)	0.5 – NIOSH RESP FRAC 00, H410 (0.02) RESP FF
	GANESE DIOXIDE ASSIUM HYDROXIDE I (STEEL) PHITE BON BLACK	Collect spillag facility (TSDF IF INGESTE collect, day of 3. CC CAS No. 1313-13-9 Acute Tox. Or 7440-66-6 Aquatic Acute 1310-58-3 Acute Tox. Or 7439-89-6 Acute Tox. Or 7439-89-6 Acute Tox. 4 * 782-42-5 1333-86-4 5 4 4 7439-92-1 Acute Tox. 4; 7440-43-9	ge. P501 – Dis). D: Call the N or night. In Ca DMPOSIT OP0350000 al 4; Acute Tox. ZG8600000 al 4; Acute Tox. ZG8600000 al 4; Acute Tox. NO4565500 al 4; Acute Tox. NO4565500 fF55800000 GF7525000 Acute Tox. 4; Re NA	EINECS No. 215-202-6 Inh. 4; H302, H33 231-175-3 nic 1; H400, H410 215-181-3 Inh. 4; H302, H33 231-096-4 H302, H314 231-096-4 H302, H314 231-955-3 215-609-9 231-100-4 epr. 1A; STOT RE	11 11 11 11 11 11 11 11 11 11 11 12 12 12 13 13 13 13 13 13 13 13 10	er to licen IGESTION 5900. ENT IN ACGIH ppm TLV STE (5) NA NA NA NA NA (5) NA (2.0) NA (3.5) NA (3.5) NA (0.05) NA Acute 1; Aq (0.01) NA	Ses treat	Ment, stora	ge and (202) (LIMITS IN PEL (5) NA (10) (5)* (3.5) (3.5) NA H332, H (0.1)	dispos 525-33 525-35 525-55	sal 33 (m ³) IDLH NA NA NA NA NA NA (9)	0.5 – NIOSH RESP FRAC 00, H410 (0.02) RESP FI

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SAFETY DATA SHEET Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.0 SDS Revision Date: 4/30/2015 4. FIRST AID MEASURES Give large quantities of water, but do NOT induce vomiting. First Aid: Ingestion: Never give anything by mouth to an unconscious person. Contact the nearest Poison Control Center or local emergency telephone number for assistance and instructions. Seek immediate medical attention. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration. If product gets in the eyes, flush eyes thoroughly with copious amounts of water for at least 15 minutes, Eyes: holding eyelid(s) open to ensure complete flushing. If the eyes or face become swollen during or following use, consult a physician or emergency room immediately. If an open battery cell: Remove contaminated clothing and wash affected areas with soap and water. If Skin: discomfort persists and/or the skin reaction worsens, contact a physician immediately. Do not wear contaminated clothing until after it has been properly cleaned. Remove victim to fresh air at once. Under extreme conditions, if breathing stops, perform artificial Inhalation: respiration. Seek immediate medical attention. Effects of Exposure: May cause severe irritation of mouth, throat, esophagus, and stomach. Acute ingestion of zinc Ingestion: compounds may cause abdominal pain, nausea, vomiting, diarrhea, and severe cramping. Eves: Severe irritation, burns, cornea damage, blindness. Lead compounds may cause irritation. Skin: Severe irritation, burns, and ulceration if open battery cell comes into contact with skin. Inhalation: Inhalation of lead dust or fumes may cause irritation of upper respiratory tract and lungs. Symptoms of Overexposure Ingestion: Severe discomfort, nausea, vomiting and headache. Harmful if swallowed. May cause corrosion and permanent tissue destruction of the esophagus and digestive tract. May cause irreversible eve injury. Contact with eves may cause severe irritation, and possible eve burns. Eyes: Severe irritation, redness, and watering,. Severe skin irritation, red, itching skin, burns and ulceration, if open battery cell comes into contact with Skin: skin Inhalation: May cause cyanosis (bluish discoloration of skin due to deficient oxygenation of the blood). Irritation may lead to chemical pneumonitis and pulmonary edema. Inhalation of fumes may cause metal fume fever, which is characterized by flu-like symptoms with metallic taste, fever, chills, cough, weakness, chest pain, muscle pain and increased white blood cell count. Causes respiratory tract irritation with possible burns. Acute Health Effects: Hazardous exposure can occur only when product is heated above the melting point, oxidized or otherwise processed or damaged to create dust, vapor, or fume. Chronic Health Effects: Chronic exposure may cause effects similar to those of acute exposure. Target Organs: Eyes, Skin, Respiratory System, Central Nervous System (CNS) Medical Conditions HEALTH NA Aggravated by Exposure: FLAMMABILITY PHYSICAL HAZARDS **PROTECTIVE EQUIPMENT** EYES SKIN 5. FIREFIGHTING MEASURES 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_x, Hydrocarbons). Extinguishing Methods: CO2, Dry Chemical, Alcohol foam, Dry Chemical. Use water spray to cool containers. Firefighting Procedures: Use extinguishing media most appropriate for the surrounding fire. Do NOT get water inside containers. For small fires, use dry chemical, carbon dioxide, or water spray. For large fires, use dry chemical, carbon dioxide, alcohol-resistant foam, or water spray. Cool containers with flooding quantities of water until well after fire is out. 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 Spills Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment, including protective gloves and eyewear. Plastic or rubber gloves, respirator, eve/face protection and chemical-resistant apron may be required for clean-up of large spills. Small Spills: Wear appropriate protective equipment including gloves and protective eyewear. Use a non-combustible material such as vermiculite or sand to soak up the product and place into a container for later disposal. Large Spills: Keep incompatible materials away from spill. Stay upwind and away from spill or release. Isolate immediate hazard area and keep unauthorized personnel out of area. Stop spill or release if it can be done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warrant. Collect in acidresistant container.

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7.1	Work & Hygiene Practices:	Do not eat, drink or smoke when handling this product. Handle as to avoid puncturing container(s).
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. Keep away from incompatible substances. Protect containers from physical damage. Store product in well-filled, appropriate coated and tightly closed containers avoiding influence of oxygen/air, light and humidity. Store at a cool and constant temperature.
7.3	Special Precautions:	This battery is not designed for recharging. Recharging can cause battery leakage or high pressure rupture, in some cases. Inadvertent charging can happen if a battery is installed backwards. Accidental short circuit for a few seconds will not seriously affect the battery. But prolonged short circuit will cause the battery to lose energy, and can cause the safety release vent to open. Sources of short circuit include jumbled batteries in bulk containers, metal jewelry, metal covered tables or metal belts used for assembly of batteries in devices.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Exposure Limits:		ACG	IH		NOHSC			OSHA		OTHER
	ppm (mg/m ³)	CHEMICAL NAME(S)	TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	OTTLER
		MANGANESE DIOXIDE	(5)	NA	(5)	NF	NF	(5)	NA	NA	
		GRAPHITE	(2.0)	NA	(2.0)	NF	NF	(5)*	NA	NA	RESP FRAC
		POTASSIUM HYDROXIDE	NA	NA	(2)	NF	NF	NA	NA	NA	
		CARBON BLACK	(3.5)	NA	(3.5)	NF	NF	(3.5)	NA	NA	
		IRON (STEEL)	(5)	NA	NF	NF	NF	(10)	NA	NA	0.5 – NIOSH
		LEAD	(0.05)	NA	NF	(0.15)	NF	NA	100	NA	
		CADMIUM	(0.01)	NA	NF	NF	NF	(0.1)	0.3	(9)	(0.02) RESP FRAC
		MERCURY	NA	NA	(0.003)	(0.025)	NA	NA	NA	(10)	
8.2	Ventilation & Engineering Controls:	General mechanical (e.g., fans exhaust ventilation to effective product. Ensure appropriate de	y remov	e and p	prevent bu	uildup of v	apors or	nist gen	erated	from th	e handling of this
8.3	Respiratory Protection:	No special respiratory protection instances where mist or vapors use only protection authorized Canadian CAS Standard Z94.4 States, or Australia.	of this p by 29 (roduct a	are genera 910.134,	ated, and i applicable	respiratory U.S. Sta	protectio te regula	on is ne ations, d	eded, or the	
8.4	Eye Protection:	Wear protective eyewear (e.g. product. Always use protectiv protection tested and approved 166(EU).	e eyewe	ar when	n cleaning	spills or	leaks. Us	se equip	ment fo	or eye	9
8.5	Hand Protection:	Where contact is likely, impervic When handling large quantities	0						,	,	
8.6	Body Protection:	No apron required when handl resistant apron, clothing and bo be available.									
		9. PHYSICAI	& CI	IFMI		ROPF	RTIFS				
9.1	Appearance:	Cylindrical battery	, _,								
9.2	Odor:	No apparent odor (sealed). Man	nanese (liovide/ .	zinc nowde	er is black	arev (brok	en)			
9.3	Odor Threshold:	NA	ganese e				grey (brok	cnj.			
9.4	pH:	NA									
9.5	Melting Point/Freezing Point:	NA									
9.6	Initial Boiling Point/Boiling Range:	NA									
9.7	Flashpoint:	NA									
9.8	Upper/Lower Flammability Limits:	NA									
9.9	Vapor Pressure:	NA									
9.10	Vapor Density:	NA									
9.11	Relative Density:	0.990-1.040 (at 25 °C)									
9.12	Solubility:	Sealed electric battery: Insoluble	Э.								
9.13	Partition Coefficient (log Pow):	NA									
9.14	Autoignition Temperature:	NA									
9.15	Decomposition Temperature:	NA									
-	Viscosity:	NA									
9.16											
9.16 9.17	Other Information:	NA									

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		10. STABILITY & REACTIVITY						
10.1	Stobility:							
10.1	Stability: Hazardous Decomposition	Stable under normal conditions; unstable with heat or contamination.						
	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 substances and direct sunlight, incompatible substances and heavily trafficked areas.						
10.5	Incompatible Substances:	Avoid extreme heat and ignition sources. Store away from oxidizers. Do not exceed heat, crush, disassemble, short- circuit or recharge.						
		11. TOXICOLOGICAL INFORMATION						
11 1	Doutoo of Cotra							
11.1 11.2	Routes of Entry: Toxicity Data:							
11.2	Toxicity Data.	This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is available for some of the components of the product and is presented below: Manganese Dioxide: LD ₅₀ (oral, rat): 3478 mg/kg						
11.3	Acute Toxicity:	See section 4.4						
11.4	Chronic Toxicity:	See section 4.5						
11.5								
11.6	Reproductive Toxicity:	This product contains Lead, which is suspected of causing 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.						
44 7	Reproductive Toxicity:	This product contains Lead, which is suspected of causing reproductive toxicity 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:							
11.9	Physician Recommendations:	Treat symptomatically and supportively.						
		12. ECOLOGICAL INFORMATION						
12.1	Environmental Stability:	There are no specific data available for this product.						
12.2	Effects on Plants & Animals:	There are no specific data available for this product.						
12.3	Effects on Aquatic Life:	<u>Mercury</u> : LC_{50} (Rainbow trout, 96h) = 0.16-0.90 mg/L; LC50 (Bluegill/Sunfish, 96h) = 0.16-0.90 mg/L; EC ₅₀ (Daphnia magna, 48h) = 0.01 mg/L.						
		13. DISPOSAL CONSIDERATIONS						
13.1	Waste Disposal:							
13.1	Special Considerations:	Dispose of in accordance with federal, state, provincial and local regulations. NA						
10.2	opecial considerations.							
		14. TRANSPORTATION INFORMATION						
		nber, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional						
		e 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):							
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 contains Lead, Mercury and Zinc, 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.						
15.4	CERCLA Reportable Quantity (RQ):	Zinc: 454 kg (1,000 lbs); Mercury: 0.454 kg (1.0 lbs)						

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		15. REGULATORY INFORMATION – cont'd						
15.5	Other Federal Requirements:	Mercury, Lead and Cadmium are listed as Hazardous Air Pollutants (HAPs) under the Clean Air Act (CAA). Zinc,						
		<u>Cadmium</u> and <u>Mercury</u> are listed as Priority Pollutants under the Clean Water Act (CWA). <u>Zinc</u> , <u>Lead</u> , <u>Cadmium</u> and <u>Mercury</u> are listed as Priority Pollutants under the Clean Water Act (CWA). <u>Zinc</u> , <u>Lead</u> , <u>Cadmium</u> and <u>Mercury</u> are listed as Toxic Pollutants under the 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 Safety Data Sheet 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:	Lead can be found on the following state criteria list: California Proposition 65 (CA65), 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), and Washington Permissible Exposures List (WA). Potassium Hydroxide is found on the following state criteria lists: FL, MA, MN, PA, and WA. <u>Graphite</u> is found on the following state criteria lists: FL, MA, MN, PA, and WA. <u>Manganese Dioxide</u> is found on the following state criteria lists: IL, MA, PA, and WA. <u>Zinc</u> is found on the following state criteria lists: IL, MA, NJ, and PA. <u>Carbon Black</u> is listed in the following state criteria lists: California Proposition 65 (CA65), MA, MN, NJ, and PA. No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: (FL), Illinois Hazardous Substances List (IL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (FL), Illinois Hazardous Substances List (IL), 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), Rhode Island Hazardous Substances List (RI), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI). WARNING: This product contains a substance(s) known to the State of California to cause cancer, birth defects or other						
		reproductive harm. California law requires this warning be given to customers in the State of California.						
		Corrosive (C); Environmental Danger (N). <u>Risk Phrases</u> (R): 22-34-50/53 – Harmful if swallowed. Causes burns. Very toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment. <u>Safety Phrases</u> (S): 1/2-26-36/37/39-45-60-61 – Keep locked up and out of reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing/ gloves and eye/face protection. In case of accident or if you feel unwell seek medical advice immediately (show label where possible). This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Refer to special instructions/SDS.						
		16. OTHER INFORMATION						
16.1	Other Information:	WARNING! HARMFUL IF SWALLOWED. TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. Wash hands and exposed skin areas with soap and warm water thoroughly after handling. Do not eat, drink or smoke while sing this product. Avoid release to the environment. Wear protective gloves/eye protection. IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. Collect spillage. IF INGESTED: Call the NATIONAL BATTERY INGESTION HOTLINE at +1 (202) 625-3333 collect, day or night. In Canada, call +1 (416) 813-5900. KEEP OUT OF REACH OF CHILDREN. WARNING: This product contains a substance(s) known to the State of California to cause cancer, birth defects or other reproductive harm.						
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/						
16.5	Prepared by:	ShipMate, Inc. P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700 http://www.shipmate.com						

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SDS Revision: 1.0

SDS Revision Date: 4/30/2015

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 M	EASURES:						

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			G		
в		(н		
С			I	0	
D	E		J	0	
Е			к	F	
F			X		our supervisor or SOPs fo andling directions.
Sa	fety Glasse	es Splash Goggles		e Shield & tive Eyewe	Gloves
	B oots	Synthetic Apron		tive Clothi Full Suit	ng Dust Respirator
					I
Full F	Face Respir	rator Dust & Vapor Half- Mask Respirator		ull Face spirator	Airline Hood/Mask or SCBA
ОТН	ER STAN	DARD ABBREVIATIONS	S:		
	ML	Maximum Limit			
	mg/m3	milligrams per cubic meter			
	NA	Not Available			
	ND	Not Determined			
	NE	Not Established			
L	NF	Not Found			

NE Not Established					
NF Not Found					
No Results					
parts per million					
Self-Contained Breathing Apparatus					
E PROTECTION ASSOCIATION: NFPA					
Y LIMITS IN AIR:					
Minimum temperature required to initiate combustion in air with no other source of ignition					
Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source					
2					

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 I	Hazard		FL	AMMABILITY	•				
	1 Slight Ha	zard					ACTIVITY			
	2 Moderate	e Hazard				1				
	3 Severe H	lazard								
	4 Extreme	Hazard			$\overline{1}$	2				
ACI	D Acidic					<u> </u>	/			
ALI	K Alkaline					•• <i>•</i> • • • • • • • • • • • • • • • • •				
CO	R Corrosive	e			<u> </u>	₩ /				
¥	Use No \	Nater		H	EALTH	×				
0	X Oxidizer						ECIAL			
TREFO	L Radioact	ive					LUAUTIONS			
TOXICOL	OGICAL IN	FORMAT	ION:							
	LD	s Lethal E	Dose (solids	& liquids) wh	ich kills 50%	of the expos	sed animals			
	LC	50 Lethal c	concentration	(gases) which	ch kills 50% d	of the expose	ed animal			
	рр			ssed in parts						
	TC			e a symptom						
	TCL			n to cause a						
TD _{io} .	LD _{lo} , & LD _o			centration) to		l or toxic effe	ects			
	C _o , LC _{lo} , & L(
	IAR		ional Agency	for Researc	h on Cancer					
	NT		I Toxicology							
	RTEC			ects of Chem	nical Substan	ces				
	BC		, centration Fa							
	TL		Median threshold limit							
loa k	K _{ow} or log K		Coefficient of Oil/Water Distribution							
_										
				Material Inform	mation Syste	m				
DO			ransportation		nation byste					
00 T			าสาเรมบาเสแบโ	I						
		t Canada	Protection A~	ency						
EP/			ental Protection Agency							
DS			mestic Substance List							
NOHS			cupational Health and Safety Commission (Australia)							
NDS			on-Domestic Substance List							
PS			riority Substances List							
TSC			Substance Control Act							
E			nion (European Union Directive 67/548/EEC)							
WGI	0		hrdungsklassen (German Water Hazard Class) int & Coatings Association Hazardous Materials Identification System							
HMIS-I										
WORKPL	ACE HAZ	ARDOUS N	IATERIAL	S IDENTIF	ICATION (WHMIS) S'	YSTEM:			
\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 (67/54	8/EEC) INI	ORMATIC	ON:	1			I			
	,									
		Ż	¥	8	.	×	×			
С	E	F	N	0	т	Xi	Xn			
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful			
CLP/GHS	(1272/200	8/EC) PIC	TOGRAMS		•	•	•			
			•							

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