HARBOR FREIGHT TOOLS

SAFETY DATA SHEET

SDS Revision: 1.0

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

Page 1 of 6 **HFT-92408**

SDS Revision Date: 4/30/2015

		1.	PRODUC	T & COM	PANI	IDEI				N				
1.1	Product Name:	9V ALKA	LINE BA	TTERY										
1.2	Chemical Name:	Alkaline Batter	ry											
1.3	Synonyms:	P/N 92408	,											
1.4	Trade Names:	Thunderbolt M	laonum											
1.5	Product Uses & Restrictions:	Electric Storag	Ŭ											
1.6	Distributor's Name:	Harbor Freight												
.7	Distributor's Address:	-		isas, CA 91302										
1.8	Emergency Phone:			527-3887 /		1 121	0300		N 67	6687	1			
1.9	Business Phone / Fax:	+1 (805) 388-2		521-50011	+1 (000) 424	-9300		10 07	0007	/			
1.0	Buoineso Fhone / Fux.	+1 (005) 300-	1000											
			2. HA		DENT	IFIC/	ΑΤΙΟ	ON						
2.1	Hazard Identification:	classification of WARNING! I EFFECTS. Hazard Staten effects. Precautionary water thoroug Avoid release	criteria of [NOH HARMFUL IF <u>nents</u> (H): H30 <u>Statements</u> (F hly after handli to the environ	s a hazardous ISC: 1088 (200 SWALLOWEI P2 – Harmful if P): P264 – Wa ing. P270 – Do ment. P280 –	04)] and A D. TOXIC swallowed ash hands p not eat, o Wear pro	DG Co TO A I. H41 and e drink or tective	de (Au QUAT 1 – To xpose r smok gloves	Istralia TIC LIF xic to a d skin (ce while s/eye p). FE WI aquatio areas e sing protect	TH LC c life w with s this pr ion. P	ong L vith Ion coap at roduct. 301+P	ASTIN ng lastin nd war P273 2312 –	IG ng rm 3 – IF	
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	GANESE DIOXIDE ASSIUM HYDROXIDE	Collect spillag facility (TSDF) IF INGESTED collect, day o 3. CC CAS No. 1313-13-9 Acute Tox. Ora 7440-66-6 Aquatic Acute 1310-58-3 Acute Tox. Ora 7439-89-6 Acute Tox. 4 *;	e. P501 – Dis 2: Call the N r night. In Ca DMPOSIT RTECS No. OP0350000 al 4; Acute Tox. I ZG8600000 1; Aquatic Chror TT2100000 al 4; Acute Tox. I	EINECS No. 215-202-6 nh. 4; H302, H33 ic 1; H400, H410 215-181-3 nh. 4; H302, H33 231-096-4	% 20-60 32 15-40 7-13 32	NGEST -5900. ENT ACC pp TLV (5) NA	INF	s treat	Ment, NE at MAT EXPO NOHSC PPM ES- STEL NF NF	storag +1 (2 ION SURE L ES- PEAK NF NF	e and 202) 6 IMITS IN PEL (5) NA NA (10)	dispos 25-33 AIR (m OSHA ppm STEL NA NA NA	g/m ³) IDLH NA NA NA	0.5 – NIOSH
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INC OT RON RAF	GANESE DIOXIDE ASSIUM HYDROXIDE I (STEEL) PHITE BON BLACK	Collect spillag facility (TSDF) IF INGESTED collect, day o 3. CC 3. CC 1313-13-9 Acute Tox. Ora 7440-66-6 Aquatic Acute 1310-58-3 Acute Tox. Ora 7439-89-6 Acute Tox. 4 *; 7782-42-5 1333-86-4 7439-92-1 Acute Tox. 4; <i>A</i>	e. P501 – Dis 2: Call the N r night. In Ca DIPOSIT DIPOSIT DIPOSIT DIPOSIT I Aquatic Chror TT2100000 I 4; Acute Tox. I XG465500 Skin Corr. 1A; H MD9659600 FF5800000 OF7525000	EINECS No. 215-202-6 nh. 4; H302, H33 231-175-3 nh. 4; H302, H33 231-175-3 nh. 4; H302, H33 231-096-4 1302, H314 231-955-3 215-609-9 231-100-4 pr. 1A; STOT RE	mts/contair TTERY II (416) 813: GREDI % 20-60 32 15-40 7-13 32 10-20 3-7 3-7 0-0.1 2; Aquatic	NGEST -5900. ENT ACCO PPP TLV (5) NA (5) (2.0) (3.5) Acute 1	INF INF INF MA NA NA NA NA NA NA	s treat HOTLI ORN (5) NF (2) (2.0) (3.5) NF (3.5)	Ment, NE at AAT EXPO NOHSC ppm ES- STEL NF NF NF NF NF NF NF (0.15) nic 1; F	storag +1 (2 ION SURE L ES- PEAK NF NF NF NF NF NF	e and 202) 6 IMITS IN PEL (5) NA (10) (5)* (3.5) NA 332, H3	dispos 25-33: AIR (m OSHA ppm STEL NA NA NA NA NA NA NA 100 360, H3	sal 33 g/m ³) IDLH NA NA NA NA NA 373, H4	0.5 – NIOSH RESP FRAC
IANG INC OT RON RAF	GANESE DIOXIDE ASSIUM HYDROXIDE I (STEEL) PHITE BON BLACK	Collect spillag facility (TSDF) IF INGESTED collect, day o 3. CC CAS No. 1313-13-9 Acute Tox. Ora 7440-66-6 Aquatic Acute 1310-58-3 Acute Tox. Ora 7439-89-6 Acute Tox. Ora 7439-89-6 Acute Tox. 4 *; 7782-42-5 1333-86-4 7439-92-1 Acute Tox. 4; <i>A</i> 7440-43-9	e. P501 – Dis 2: Call the N r night. In Ca DMPOSIT DMPOSIT CP0350000 al 4; Acute Tox. 1 ZG8600000 1; Aquatic Chror TT2100000 al 4; Acute Tox. 1 NO4565500 Skin Corr. 1A; H MD9659600 FF5800000 CF7525000 Acute Tox. 4; Re NA	EINECS No. 215-202-6 nh. 4; H302, H33 231-175-3 nh. 4; H302, H33 231-175-3 nh. 4; H302, H33 231-096-4 1302, H314 231-095-3 215-609-9 231-100-4	*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *	NGEST -5900. ENT Accord PPI TLV (5) NA (5) (2.0) (3.5) (0.05) Acute 1 (0.01)	Cense: TION I TINF SIH m STEL NA NA NA NA NA NA NA NA NA NA	s treat HOTLI ORN (5) NF (2) (2.0) (3.5) NF (3.5) NF	Ment, NE at AAT EXPO NOHSC PPM ES- STEL NF NF NF NF NF NF NF NF (0.15) nic 1; H	storag +1 (2 ION SURE L SURE L ES- PEAK NF NF NF NF NF NF NF NF NF NF	e and 202) 6 IMITS IN PEL (5) NA (10) (5)* (3.5) NA 332, H3 (0.1)	dispos 25-33: 25-33: 24IR (m OSHA ppm STEL NA NA NA NA NA NA NA NA NA NA	sal 33 (m ³) IDLH NA NA NA NA NA 373, H4 (9)	0.5 – NIOSH RESP FRAC 00, H410 (0.02) RESP F

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Page 2 of 6 HFT-92408

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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 LUNGS 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.

SAFETY DATA SHEET

Page 3 of 6 HFT-92408

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	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).								
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							-				
0.1	Exposure Limits:		ACG	IH		NOHSC	1		OSHA		OTHER
	ppm (mg/m ³)	CHEMICAL NAME(S)	TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	
		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 contamin	e and p ation ec	prevent bu quipment is	uildup of v s available	apors or (e.g., sink	mist gen , safety s	ierated shower,	from th eye-wa	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	protection 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, impervio 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			DTIES				
					UAL P	KOPE	RHEƏ				
9.1	Appearance:	Cylindrical battery				ROPE	KIIE3				
9.1 9.2	Appearance:	Cylindrical battery						on)			
9.2	Odor:	No apparent odor (sealed). Man						en).			
9.2 9.3	Odor: Odor Threshold:	No apparent odor (sealed). Man NA						en).			
9.2 9.3 9.4	Odor: Odor Threshold: pH:	No apparent odor (sealed). Man NA NA						en).			
9.2 9.3 9.4 9.5	Odor: Odor Threshold: pH: Melting Point/Freezing Point:	No apparent odor (sealed). Man NA NA NA						en).			
9.2 9.3 9.4	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling	No apparent odor (sealed). Man NA NA						en).			
9.2 9.3 9.4 9.5	Odor: Odor Threshold: pH: Melting Point/Freezing Point:	No apparent odor (sealed). Man NA NA NA NA						en).			
9.2 9.3 9.4 9.5 9.6	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range:	No apparent odor (sealed). Man NA NA NA						en).			
9.2 9.3 9.4 9.5 9.6 9.7	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability	No apparent odor (sealed). Man NA NA NA NA NA						en).			
9.2 9.3 9.4 9.5 9.6 9.7 9.8	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits:	No apparent odor (sealed). Man NA NA NA NA NA NA						en).			
9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure:	No apparent odor (sealed). Man NA NA NA NA NA NA NA NA NA NA						en).			
9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9 9.9	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure: Vapor Density:	No apparent odor (sealed). Man NA NA NA NA NA NA NA NA NA O.990-1.040 (at 25 °C)	ganese o					en).			
9.2 9.3 9.4 9.5 9.6 9.7 9.7 9.8 9.9 9.10 9.11	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure: Vapor Density: Relative Density: Solubility:	No apparent odor (sealed). Man NA NA NA NA NA NA NA NA NA 0.990-1.040 (at 25 °C) Sealed electric battery: Insoluble	ganese o					en).			
9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9 9.9 9.10 9.11 9.12 9.13	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure: Vapor Pressure: Vapor Density: Relative Density: Solubility: Partition Coefficient (log P _{ow}):	No apparent odor (sealed). Man NA NA NA NA NA NA NA NA 0.990-1.040 (at 25 °C) Sealed electric battery: Insoluble NA	ganese o					en).			
9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9 9.10 9.11 9.12 9.13 9.14	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure: Vapor Pressure: Vapor Density: Relative Density: Solubility: Partition Coefficient (log P _{ow}): Autoignition Temperature:	No apparent odor (sealed). Man NA NA NA NA NA NA NA NA 0.990-1.040 (at 25 °C) Sealed electric battery: Insoluble NA NA	ganese o					en).			
9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9 9.10 9.11 9.12 9.13 9.14 9.15	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure: Vapor Density: Relative Density: Solubility: Partition Coefficient (log Pow): Autoignition Temperature: Decomposition Temperature:	No apparent odor (sealed). Man NA NA	ganese o					en).			
9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9 9.10 9.11 9.12 9.13 9.14	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure: Vapor Pressure: Vapor Density: Relative Density: Solubility: Partition Coefficient (log P _{ow}): Autoignition Temperature:	No apparent odor (sealed). Man NA NA NA NA NA NA NA NA 0.990-1.040 (at 25 °C) Sealed electric battery: Insoluble NA NA	ganese o					en).			

HARBOR FREIGHT TOOLS

SAFETY DATA SHEET

Page 4 of 6 **HFT-9240**

Q	RBOR FREIGHT TOOLS uality Tools at Ridiculously Low Prices	SAFETY DATA SHEET
repa	ared to OSHA, ACC, ANSI, N	DHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.0 SDS Revision Date: 4/30/2015
		10. STABILITY & REACTIVITY
).1	Stability:	Stable under normal conditions; unstable with heat or contamination.
).2	Hazardous Decomposition	· · · · · · · · · · · · · · · · · · ·
	Products:	Oxides of carbon (CO, CO ₂).
0.3	Hazardous Polymerization:	Will not occur.
.4	Conditions to Avoid:	Open flames, sparks, high heat, incompatible substances and direct sunlight.
.5	Incompatible Substances:	Avoid extreme heat and ignition sources. Store away from oxidizers. Do not exceed heat, crush, disassemble, short circuit or recharge.
	1	11. TOXICOLOGICAL INFORMATION
.1	Routes of Entry:	Inhalation: NO Absorption: YES Ingestion: YES
.2	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, i available for some of the components of the product and is presented below: <u>Manganese Dioxide</u> : LD ₅₀ (oral, rat): 3478 mg/kg
.3	Acute Toxicity:	See section 4.4
.4	Chronic Toxicity:	See section 4.5
1.5	Suspected Carcinogen:	Lead is listed as ACGIH Group A3 (Confirmed animal carcinogen with unknown relevance to human); IARC Group 24 (Possibly carcinogenic to humans); NTP13 Group 2 (Reasonably Anticipated to be a Human Carcinogen); CA65 (cancer). <u>Cadmium</u> is listed as ACGIH Group A2 (Suspected human carcinogen); IARC Group 1 (Carcinogenic to humans); NTP13 Group 1 (Known human carcinogen); CA65 (cancer). <u>Carbon Black</u> is listed as IARC Group 24 (Possibly carcinogenic to humans); CA65 (cancer).
1.6	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.
	Reproductive Toxicity:	This product contains Lead, which is suspected of causing reproductive toxicity in humans.
.7	Irritancy of Product:	The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.
.8	Biological Exposure Indices:	NA
.9	Physician Recommendations:	Treat symptomatically and supportively.
		12. ECOLOGICAL INFORMATION
2.1	Environmental Stability:	There are no specific data available for this product.
2.2	Effects on Plants & Animals:	There are no specific data available for this product.
2.3	Effects on Aquatic Life:	$\frac{\text{Mercury: LC}_{50} \text{ (Rainbow trout, 96h) = 0.16-0.90 mg/L; LC50 (Bluegill/Sunfish, 96h) = 0.16-0.90 mg/L; EC_{50} \text{ (Daphnimagna, 48h) = 0.01 mg/L.}$
		13. DISPOSAL CONSIDERATIONS
3.1	Waste Disposal:	Dispose of in accordance with federal, state, provincial and local regulations.
8.2	Special Considerations:	NA
		14. TRANSPORTATION INFORMATION
		mber, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additionate required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.
1.1	49 CFR (GND):	NOT REGULATED
	IATA (AIR):	NOT REGULATED
	IMDG (OCN):	NOT REGULATED
.2	1	
.2	TDGR (Canadian GND):	NOT REGULATED
.2 .3 .4	TDGR (Canadian GND): ADR/RID (EU):	NOT REGULATED
.2 .3 .4 .5		
.2 .3 .4 .5	ADR/RID (EU):	NOT REGULATED
1.2 1.3 1.4 1.5 1.6	ADR/RID (EU): SCT (MEXICO):	NOT REGULATED NOT REGULATED NOT REGULATED
1.2 1.3 1.4 1.5 1.6 1.7	ADR/RID (EU): SCT (MEXICO): ADGR (AUS):	NOT REGULATED NOT REGULATED 15. REGULATORY INFORMATION
4.2 4.3 4.4 4.5 4.6 4.7	ADR/RID (EU): SCT (MEXICO): ADGR (AUS): SARA Reporting Requirements:	NOT REGULATED Image: Constraint of the section of
4.2 4.3 4.4 4.5 4.6 4.7 5.1 5.2	ADR/RID (EU): SCT (MEXICO): ADGR (AUS): SARA Reporting Requirements: SARA Threshold Planning Quantity:	NOT REGULATED NOT REGULATED 15. REGULATORY INFORMATION
4.2 4.3 4.4 4.5 4.6 4.7 5.1	ADR/RID (EU): SCT (MEXICO): ADGR (AUS): SARA Reporting Requirements: SARA Threshold Planning Quantity: TSCA Inventory Status:	NOT REGULATED Image: Sector of the secto
4.2 4.3 4.4 4.5 4.6 4.7 5.1 5.2	ADR/RID (EU): SCT (MEXICO): ADGR (AUS): SARA Reporting Requirements: SARA Threshold Planning Quantity:	NOT REGULATED NOT REGULATED NOT REGULATED 15. REGULATORY INFORMATION This product contains Lead, Mercury and Zinc, substances subject to SARA Title III, section 313 reporting requirements There are no specific Threshold Planning Quantities for the components of this product.

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SAFETY DATA SHEET

Page 5 of 6 HFT-92408

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

SDS Revision: 1.0 SDS R

SDS Revision Date: 4/30/2015

		15. REGULATORY INFO	RMATION – cont'd								
15.5	Other Federal Requirements:	<u>Mercury</u> , <u>Lead</u> and <u>Cadmium</u> are listed as Hazardous Air Pollutants (HAPs) under the Clean Air Act (CAA). <u>Zinc</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 (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), Pennsylva 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 RI. <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: California Proposition 65 (CA65), DIA, MIC, MA, MIC, MA, MIC, MA, MA, Mazardous Substances List (IL), Massachusetts Hazardous Substances List (MA), Michigan Critt Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New Y Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Rhode Island Hazardous Substances List (WA), Wisconsin Hazardous Substances List (WI).									
			known to the State of California to cause cancer, birth defects or other arning be given to customers in the State of California.								
15.8	Other Requirements:	Causes burns. Very toxic to aquatic organisms n environment. <u>Safety Phrases</u> (S): 1/2-26-36/37/3 children. In case of contact with eyes, rinse im advice. Wear suitable protective clothing/ gloves you feel unwell seek medical advice immediately	Annex I of EU Directive 67/548/EEC: <u>Phrases</u> (R): 22-34-50/53 – Harmful if swallowed. hay cause long-term adverse effects in the aquatic 39-45-60-61 – Keep locked up and out of reach of mediately with plenty of water and seek medical and eye/face protection. In case of accident or if (show label where possible). This material and its iste. Avoid release to the environment. Refer to								
		16. OTHER INFO	ORMATION								
16.1	Other Information:	Wash hands and exposed skin areas with soap while sing this product. Avoid release to the SWALLOWED: Call a POISON CENTER/doctor in IF INGESTED: Call the NATIONAL BATTERY I Canada, call +1 (416) 813-5900. KEEP OUT OF WARNING: This product contains a substance(s)	NGESTION HOTLINE at +1 (202) 625-3333 collect, day or night. In								
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.									
16.3	Disclaimer:	government regulations must be reviewed for ap Tools USA, Inc.'s knowledge, the information accuracy, suitability or completeness is not guara provided. The information contained herein rela	SHA's Hazard Communication Standard, 29 CFR §1910.1200. Other plicability to this product. To the best of ShipMate's & Harbor Freight contained herein is reliable and accurate as of this date; however, anteed and no warranties of any type, either expressed or implied, are tes only to the specific product(s). If this product(s) is combined with be considered. Data may be changed from time to time. Be sure to								
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-92408**

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

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

4 Extreme Hazard

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 & F	REACTIVITY RATINGS:
0	Minimal Hazard	HEALTH
1	Slight Hazard	FLAMMABILITY
2	Moderate Hazard	PHYSICAL HAZARDS
3	Severe Hazard	PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

NRNo Resultsppmparts per million

FLAMMABILITY LIMITS IN AIR:

Autoignition

Temperature

LEL UEL

SCBA Self-Contained Breathing Apparatus
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

source of ignition

Α					G	ì	0	F)		
в					н		0	F)		
С			E H		I		0	E)		
D	B		E T		J		0	F)	Î	
Е			\bigcirc		к		Î	F)		
F			E T		x	, C	Consult special	your s handlir	upe ng d	rvisor o irection	r SOPs fe s.
Sa	fety Glasse	es	Splash) Goggles			Shield & /e Eyew			Glov	es
	B oots		Synthet	ic Apron			ve Cloth JII Suit	ning	D	ust Res	pirator
Full F	ace Respir	rator		apor Half-			P Face		Air		od/Mask
	ER STAN			espirator		kes	pirator			or SC	ВА
	ML	Maxin	num Limit								
	mg/m3	milligr	ams per ci	ubic meter							
	NA	Not A	vailable								
	ND	Not D	etermined								
	NE	Not E	stablished								
	NF	Not Fo	ound								

Minimum temperature required to initiate combustion in air with no other

Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

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

explode or ignite in the presence of an ignition source

HAZARD		ATING	· .												
HALANL				Tord					FLAMMABILITY						
	0	Minim Slight													
	1	Moder													
	2	Sever										1			
	4	Extrer								/			~		
٨٢	- D	Acidic		zaru						ς,	1	X	2	>	
	.K	Alkalir								\boldsymbol{r}					
	DR	Corros							,	/	X 4	₩	<u> </u>		
		Use N		ter	HEALTH										
)X	Oxidiz			SPECIAL										
TREFO		Radio	-		PRECA									CAUTIONS	
					RMATION:										
	-		LD ₅₀	Leth s	nal D	Dose (s	olids &	& liqui	ds) whi	ich k	kills 50% (of the	expose	d animals	
			LC ₅₀	Leth	nal c	oncent	ration	(gase	s) whic	ch ki	lls 50% of	the ex	posed	animal	
			ppm								naterial pe				
				Low	/est	dose to	caus	e a sy	mptom	1					
		Т	CLo	Low	/est	concen	tratior	n to ca	ause a s	sym	ptom				
		D _{io} , & Ll LC _{io} , &		Low	/est	dose (c	or con	centra	tion) to	cau	ise lethal	or toxi	c effect	s	
			ARC	Inte	rnati	ional Ag	gency	for R	esearcl	h on	Cancer	-			
			NTP			I Toxico									
		RT	ECS	Reg	jistry	of Tox	cic Effe	ects o	f Chem	ical	Substanc	es			
			BCF	Bio	conc	entratio	on Fac	ctor							
			TL _m	Med	dian	thresho	old lim	it							
log	Kow	, or log	Koc	Coe	efficie	ent of C	Dil/Wa	ter Di	stributio	on					
REGULA	ТО	RY IN	FOR	MAT	MATION:										
WHM	IS	Canac	dian V	Vorkpl	ace	Hazard	lous N	/lateria	al Inforr	matio	on Syster	n			
DC	т	U.S. D	Depart	ment	of T	ranspo	rtation	ı							
1	ГС	Trans													
EF	PA	U.S. E	Inviro	nmen	tal P	rotectio	on Age	ency							
DS	SL	Canad	dian D	omes	omestic Substance List										
NOHS	SC	Nation	nal Oc	cupat	cupational Health and Safety Commission (Australia)										
NDS	SL	Canac	dian N	lon-Do	on-Domestic Substance List										
PS	SL	Canad	dian P	riority	Sub	ostance	s List								
TSC	CA (U.S. T	oxic S	Substa	ubstance Control Act										
E	EU	Europ	ean U	Inion	(Eur	opean I	Union	Direc	tive 67	/548	/EEC)				
WG	ЭK	Wasse	ergefä	ihrdur	ngsk	lassen	(Gern	nan W	ater Ha	azar	d Class)				
HMIS-	-111	Nation	nal Pa	int & 0	Coat	ings As	ssocia	tion H	lazardo	us N	Materials	dentifi	cation	System	
WORKP	LA	CE HA	ZAR	DOU	SN	IATEF		S IDE	NTIF	CA	TION (V	VHMI	S) SYS	STEM:	
0	(۲)	<u>ð</u>)		\mathbf{b}	Ć	Ð	(B		N.	Ŕ	
Class A		Class B		Class (c	Class	D1	Clas	s D2	CI	Class D3		εE	Class F	
Compressed		lammable			xidizing Toxic Irritation Infectious Corrosive Reactive										
EC (67/5	48/	EEC) I	NFO	RMA	TIC	DN:		_			1			1	
			*	₩		2	X	3	a ~	&	×		×		
С		Е		F		N			0		Т	Xi		Xn	
Corrosive	E	Explosive	e Fi	lamma	ble	Harm	nful	Oxio	dizing		Toxic	Irrita	int	Harmful	
CLP/GH	S (1	272/2	008/E	EC) F	PICT	OGR	AMS	:							
	<	<u>ک</u>	A A A A A A A A A A A A A A A A A A A		<	\geq	k	Ged		A P	(!)	`		× 1	
GHS01	G	HS02	GH	S03	G	HS04	GH	S05	GHS	06	GHS07	GI	HS08	GHS09	
				1			I –	1	-		Harmful		ealth		

Harmful

Irritating

Flammable

Explosive

Oxidizer

Pressurized

Corrosive

Toxic

Health

Hazard

Environment