HARBOR FREIGHT TOOLS

Quality Teols at Ridiculously Low Prices

SAFETY DATA SHEET

Page 1 of 6 **HFT-60788**

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

SDS Revision: 1.0

SDS Revision Date: 12/24/2015

1. PRODUCT & COMPANY IDENTIFICATION				
1 Product Name:	IRON ARMOR® BLACK RUST REFORMER SPRAY PAINT			
2 Chemical Name:	Aerosol			
3 Synonyms:	P/N 60788			
4 Trade Names:	Iron Armor® Black Rust Reformer Spray Paint			
5 Product Uses & Restrictions:	Aerosol Paint			
6 Distributor's Name:	Harbor Freight Tools USA, Inc.			
7 Distributor's Address:	26541 Agoura Road, Calabasas, CA 91302 USA			
8 Emergency Phone:	CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300 (CCN 676687)			
9 Business Phone / Fax:	+1 (805) 388-1000			

2. HAZARDS IDENTIFICATION

Hazard Identification: This product is classified as a hazardous substance and as dangerous goods according to the classification criteria of [NOHSC: 1088 (2004)] and ADG Code (Australia).

DANGER! EXTREMELY FLAMMABLE AEROSOL. PRESSURIZED CONTAINER MAY BURST IF HEATED. HARMFUL IF SWALLOWED. CAUSES SKIN IRRITATION. CAUSES SERIOUS EYE IRRITATION.

Classification: Aerosol 1; Acute Tox. 4; Asp. Tox. 1; Skin Irrit. 2; Eye Irrit. 2.

<u>Hazard Statements</u> (H): H222 – Extremely flammable aerosol. H229 – Pressurized container may burst if heated. H302 – Harmful if swallowed. H315 – Causes skin irritation. H319 – Causes serious eye irritation.

Precautionary Statements (P): P210 – Keep away from heat, hot surface, sparks, open flames and other ignition sources. No smoking. P211 – Do not spray on an open flame or other ignition source. P251 – Do not pierce or burn, even after use. P410+P412 – Protect from sunlight. Do not expose to temperatures exceeding 50 °F (122 °F). P264 – Wash thoroughly with soap and water after handling. P270 – Do not eat, drink or smoke when using this product. P301+P312 – IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. P330 – Rinse mouth. P501 – Dispose of contents/container to licenses treatment, storage and disposal facility (TSDF). P280 – Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 – IF ON SKIN: Wash with plenty of soap and water. P321 – Specific treatment – See Section 4 of this Safety Data Sheet. P332+P313 – If skin irritation occurs: Get medical advice/attention. P362+P364 – Take off contaminated clothing and wash it before reuse. P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 – If eye irritation persists: get medical advice/attention.



3. COMPOSITION & INGREDIENT INFORMATION

							EXPO	SURE L	MITS IN	I AIR (mg	g/m³)	
				ACC	SIH		NOHSC			OSHA		
				pp	m		ppm			ppm		
						ES-	ES-	ES-				
CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	TWA	STEL	PEAK	PEL	STEL	IDLH	OTHER
115-10-6	NA	204-065-8	10-20	NA	NA	400	760	NF	NA	NA	NA	
Flam. Gas 1; P	ress. Gas; H220											
67-64-1	AL3150000	200-662-2	10-30	1800	NA	1185	2375	NF	2400	NA	2500	
Flam. Liq. 2; Ey	e Irrit. 2; STOT S	SE 3, H225, H31	9, H336									
111-76-2	KJ8575000	203-905-0	0-0.1	50	75	(20)	96.9	NF	50	75	700	
Acute Tox. 4 *;	Acute Tox. 4 *; A	cute Tox. 4 *; Ey	e Irrit. 2; S	Skin Irrit	. 2; H33	32, H31	2, H302	2, H319	, H315			
	115-10-6 Flam. Gas 1; P 67-64-1 Flam. Liq. 2; Ey 111-76-2	115-10-6 NA Flam. Gas 1; Press. Gas; H220 67-64-1 AL3150000 Flam. Liq. 2; Eye Irrit. 2; STOT S 111-76-2 KJ8575000	115-10-6 NA 204-065-8 Flam. Gas 1; Press. Gas; H220 67-64-1 AL3150000 200-662-2 Flam. Liq. 2; Eye Irrit. 2; STOT SE 3, H225, H31 111-76-2 KJ8575000 203-905-0	115-10-6 NA 204-065-8 10-20 Flam. Gas 1; Press. Gas; H220 67-64-1 AL3150000 200-662-2 10-30 Flam. Liq. 2; Eye Irrit. 2; STOT SE 3, H225, H319, H336 111-76-2 KJ8575000 203-905-0 0-0.1	CAS No. RTECS No. EINECS No. % TLV 115-10-6 NA 204-065-8 10-20 NA Flam. Gas 1; Press. Gas; H220 67-64-1 AL3150000 200-662-2 10-30 1800 Flam. Liq. 2; Eye Irrit. 2; STOT SE 3, H225, H319, H336 111-76-2 KJ8575000 203-905-0 0-0.1 50	115-10-6 NA 204-065-8 10-20 NA NA Flam. Gas 1; Press. Gas; H220 67-64-1 AL3150000 200-662-2 10-30 1800 NA Flam. Liq. 2; Eye Irrit. 2; STOT SE 3, H225, H319, H336 111-76-2 KJ8575000 203-905-0 0-0.1 50 75	Ppm ES- CAS No. RTECS No. EINECS No. % TLV STEL TWA 115-10-6 NA 204-065-8 10-20 NA NA 400 Flam. Gas 1; Press. Gas; H220 67-64-1 AL3150000 200-662-2 10-30 1800 NA 1185 Flam. Liq. 2; Eye Irrit. 2; STOT SE 3, H225, H319, H336 111-76-2 KJ8575000 203-905-0 0-0.1 50 75 (20)	CAS No. RTECS No. EINECS No. % TLV STEL TWA STEL 115-10-6 NA 204-065-8 10-20 NA NA 400 760 Flam. Gas 1; Press. Gas; H220 67-64-1 AL3150000 200-662-2 10-30 1800 NA 1185 2375 Flam. Liq. 2; Eye Irrit. 2; STOT SE 3, H225, H319, H336 111-76-2 KJ8575000 203-905-0 0-0.1 50 75 (20) 96.9	ACGIH NOHSC ppm ppm ppm CAS No. RTECS No. % TLV STEL TWA STEL PEAV 115-10-6 NA 204-065-8 10-20 NA NA 400 760 NF Flam. Gas 1; Press. Gas; H220 67-64-1 AL3150000 200-662-2 10-30 1800 NA 1185 2375 NF Flam. Liq. 2; Eye Irrit. 2; STOT SE 3, H225, H319, H336 H360 NA 1185 2375 NF 111-76-2 KJ8575000 203-905-0 0-0.1 50 75 (20) 96.9 NF	ACGIH NOHSC ppm ppm CAS No. RIECS No. % TLV STEL PES- ES- ES- TWA STEL PEAK PEL 115-10-6 NA 204-065-8 10-20 NA NA 400 760 NF NA Flam. Gas 1; Press. Gas; H220 67-64-1 AL3150000 200-662-2 10-30 1800 NA 1185 2375 NF 2400 Flam. Liq. 2; Eye Irrit. 2; STOT SE 3, H225, H319, H336 111-76-2 KJ8575000 203-905-0 0-0.1 50 75 (20) 96.9 NF 50	ACGIH NOHSC OSHA ppm ppm	Ppm Ppm

4. FIRST AID MEASURES						
4.1	First Aid:	<u>Ingestion</u> :	If ingested, do not induce vomiting. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.			
		Eyes:	Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes lifting upper and lower lids, occasionally.			
		Skin:	Wash thoroughly with soap and water. In case of contact, immediately flush skin with plenty of water for at least 15 minutes.			
		Inhalation:	Remove victim to fresh air at once. If breathing is difficult, administer oxygen. If breathing stops give artificial respiration. Keep person warm, quiet and get medical attention.			

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.0 SDS Revision Date: 12/24/2015 4. FIRST AID MEASURES - cont'd 42 Effects of Exposure: If product is swallowed, may cause gastrointestinal disturbance. Ingestion: Exposure to dust may cause eye irritation. Symptoms of overexposure may include redness, itching, Eyes: irritation and watering. May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in Skin: some sensitive individuals. Inhalation: Coughing, wheezing, shortness of breath, impaired pulmonary function. Irritation or soreness in throat, nose and respiratory tract. Drowsiness, dizziness, headaches and nausea. 4.3 Symptoms of Overexposure: If product is swallowed, may cause gastrointestinal disturbance. Ingestion: Eyes: Exposure to dust may cause eye irritation. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in Skin: some sensitive individuals. Inhalation: Coughing, wheezing, shortness of breath, impaired pulmonary function. Irritation or soreness in throat, nose and respiratory tract. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea. 4 4 Acute Health Effects: Non-irritating when used as directed. Moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of dust can cause coughing, wheezing, shortness of breath, impaired pulmonary function. Irritation or soreness in throat, nose and respiratory tract. Chronic Health Effects: 4.5 Non-irritating when used as directed. Possible allergic dermatitis in some sensitive individuals. 4 6 Target Organs: Eyes, Skin, Respiratory System, Central Nervous System (CNS) Medical Conditions 47 Pre-existing dermatitis, other skin conditions, and disorders of the **HEALTH** 3 Aggravated by Exposure: target organs (eyes, skin, respiratory system, CNS) or impaired kidney **FLAMMABILITY** 3 function may be more susceptible to the effects of this substance. PHYSICAL HAZARDS 1 PROTECTIVE EQUIPMENT X LUNGS **EYES** SKIN 5. FIREFIGHTING MEASURES Fire & Explosion Hazards: Level 3 Aerosol (NFPA 30B). Aerosols may burst at temperatures above 120 °F. Cool uninvolved containers to prevent possible bursting. Aerosols may be projectile hazards when bursting. If aerosols are bursting, stay clear until bursting is complete. Do not use in presence of open flames or sparks. Do not place in hot water or near radiators, stoves or other sources of heat. Exposure to heat or sunlight may cause cans to burst and propel contents. Water from fog nozzles may be helpful in cooling un-ruptured containers to prevent build-up. Water Fog, Foam, Dry Chemical, CO₂ 5.2 Extinguishing Methods: As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) Firefighting Procedures 5.3 and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Fight fire upwind. Avoid spraying water directly into storage containers because of danger of boil over. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies. 6. ACCIDENTAL RELEASE MEASURES Spills Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective 6.1 Equipment. For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows) and secure all sources of ignition. Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse. For large spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Use ONLY non-sparking tools for recovery and cleanup. Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of drains, municipal sewers and open bodies of water. 7. HANDLING & STORAGE INFORMATION 7.1 Work & Hygiene Practices: Do not eat, drink or smoke when handling this product. Handle as to avoid puncturing container(s). Wash unintentional residues with soap and warm water. Keep tightly closed when not in use. Avoid contact with skin and clothing 72 Storage & Handling: Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans) away from heat and direct sunlight. Avoid temperatures above 120 °F. Keep away from incompatible substances. Protect containers from physical damage. Avoid breathing vapor. 7.3 Special Precautions: Clean all spills promptly. Spilled material may present a slipping hazard

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.1		8. EXPOSURE CONT			PERSU		PROTE	CIIC	ZIN		
	Exposure Limits: ppm (mg/m³)		AC	GIH		NOHSC	ES-		OSHA	1	OTHER
	ppin (mg/m)	CHEMICAL NAME(S)	TLV	STEL	ES-TWA	ES-STEL	PEAK	PEL	STEL	IDLH	
		ACETONE	1800	NA	1185	2375	NF	2400	NA	2500	
		DIMETHYL ETHER	NA	NA	400	760	NF	NA	NA	NA	
2	Ventilation 9 Engineering	2-BUTOXYETHANOL	50	75	(20)	96.9	NF	50	75	700	
.2	Ventilation & Engineering Controls:	Use local or general exhaust ver handling of this product. Ensur wash station).	e appro	to effect priate (decontami	nation equ	prevent bu uipment is	availab	vapors le (e.g.	or mist , sink,	generated from safety shower, e
1.3	Respiratory Protection:	No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, EU member states, or Australia.									
3.4	Eye Protection:	Wear protective eyewear (e.g., safety glasses with side-shield) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Wear goggles and/or face shield if splashing or spraying is anticipated. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants. Have suitable eye wash water available. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).									
3.5	Hand Protection:	Use gloves constructed of chemical-resistant materials such as neoprene or heavy nitrile rubber if frequent or prolonged contact is expected. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, or the EU member states.									
8.6	Body Protection:	Avoid prolonged and/or repeated skin contact. Use clean and impervious protective clothing (e.g., neoprene or Tyvek®) if splashing or spraying conditions are present. Protective clothing should include long-sleeves, apron, boots and additional facial protection. If necessary, refer to appropriate standards of Canada, the EU member states, or U.S. OSHA.							ude 🔼		
	Appearance:	9. PHYSICAL	& CI	HEM	CAL P	ROPE	RTIES				
.1		Aerosor									
	Odor:	Aerosol Solvent-like									
2		Solvent-like NA									
.2	Odor:	Solvent-like									
.2 .3 .4	Odor: Odor Threshold:	Solvent-like NA									
.2 .3 .4	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling	Solvent-like NA NA									
.2 .3 .4 .5	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range:	Solvent-like									
.2 .3 .4 .5 .6	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability	Solvent-like NA NA NA - 18 °C - 172 °C (0 °F - 343 °F) < -18 °C (< 0 °F)									
.2 .3 .4 .5 .6 .7	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits:	Solvent-like NA NA NA - 18 °C - 172 °C (0 °F - 343 °F) < -18 °C (< 0 °F) LEL: 1.1% / UEL: 27.0 %									
.2 .3 .4 .5 .6 .7 .8	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure:	Solvent-like NA NA NA - 18 °C - 172 °C (0 °F - 343 °F) < -18 °C (< 0 °F) LEL: 1.1% / UEL: 27.0 % NA									
.2 .3 .4 .5 .6 .7 .8	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure: Vapor Density:	Solvent-like NA NA NA - 18 °C - 172 °C (0 °F - 343 °F) < -18 °C (< 0 °F) LEL: 1.1% / UEL: 27.0 % NA > 1.0 (air = 1.0)									
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.2 .3 .4 .5 .6 .7 .8 .9 .10 .11 .12	Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure: Vapor Density: Relative Density:	Solvent-like NA NA NA - 18 °C - 172 °C (0 °F - 343 °F) < -18 °C (< 0 °F) LEL: 1.1% / UEL: 27.0 % NA > 1.0 (air = 1.0) 0.76 NA NA									
.2 .3 .4 .5 .6 .6 .7 .8 .9 .10 .11 .12 .13 .14	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):	Solvent-like NA NA NA - 18 °C - 172 °C (0 °F - 343 °F) < -18 °C (< 0 °F) LEL: 1.1% / UEL: 27.0 % NA > 1.0 (air = 1.0) 0.76 NA NA NA NA									
.2 .3 .4 .5 .6 .6 .7 .8 .9 .10 .11 .12 .13 .14 .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:	Solvent-like NA NA NA - 18 °C - 172 °C (0 °F - 343 °F) < -18 °C (< 0 °F) LEL: 1.1% / UEL: 27.0 % NA > 1.0 (air = 1.0) 0.76 NA NA NA NA									
0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 0.10 0.11 0.12 0.13 0.14 0.15	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:	Solvent-like NA NA NA - 18 °C - 172 °C (0 °F - 343 °F) < -18 °C (< 0 °F) LEL: 1.1% / UEL: 27.0 % NA > 1.0 (air = 1.0) 0.76 NA NA NA NA NA NA NA	her: VO	PC: 51.5	4 % w/w						
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	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:	Solvent-like NA NA NA - 18 °C - 172 °C (0 °F - 343 °F) < -18 °C (< 0 °F) LEL: 1.1% / UEL: 27.0 % NA > 1.0 (air = 1.0) 0.76 NA NA NA NA	her; VO	C: 51.5	4 % w/w						
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9.1 9.2 9.3 9.3 9.4 9.5 9.6 9.7 9.8 9.9 9.10 9.11 9.11 9.12 9.10 9.11 10.1 10.2 10.3 10.4	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: Viscosity: Other Information: Stability: Hazardous Decomposition	Solvent-like	ABILI unstable Nitroge	TY & e with he	REAC eat or cont	amination					

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SAFETY DATA SHEET

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 12/24/2015 11. TOXICOLOGICAL INFORMATION Inhalation: YES 11.1 Routes of Entry: Absorption: YES Ingestion: YES 112 Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is available for some of the components of the product, but is not presented in this document 11.3 Acute Toxicity: Moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea. 11.4 Chronic Toxicity: This material may aggravate any pre-existing skin condition (e.g., dermatitis). 11.5 Suspected Carcinogen: NA 11.6 Reproductive Toxicity: This product is not reported to cause 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 produce teratogenic effects in humans. Reproductive Toxicity: This product is not reported to cause reproductive effects in humans. 11.7 Irritancy of Product: The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. 11.8 Biological Exposure Indices: NE Physician Recommendations: 11.9 Treat symptomatically. 12. ECOLOGICAL INFORMATION There are no specific data available for this product. Environmental Stability: 12.1 Effects on Plants & Animals: There are no specific data available for this product. 12.2 12.3 Effects on Aquatic Life: There are no specific data available for this product. 13. DISPOSAL CONSIDERATIONS Waste Disposal: 13.1 Dispose of in accordance with federal, state, provincial and local regulations. Special Considerations: 13.2 14. TRANSPORTATION INFORMATION The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR. 49 CFR (GND): CONSUMER COMMODITY, ORM-D (IP VOL ≤ 1.0 L) - until 12/31/20 UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL \leq 1.0 L) IATA (AIR): 14.2 CONSUMER COMMODITY, 9, ID8000 (IP VOL ≤ 0.5 L) Alla UN1950, AEROSOLS, FLAMMABLE, 2.1 (LTD QTY, IP VOL ≤ 1.0 L) 14.3 IMDG (OCN): UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1.0 L) TDGR (Canadian GND): 14.4 MARK PACKAGE ("LIMITED QUANTITY" or "QUANTITÉ LIMITÉE" or "LTD QTY" or "QUANT LTÉE" (IP VOL ≤ 1.0 L) or UN1950, AEROSOLS, FLAMMABLE, 2.1 (LTD QTY, IP VOL ≤ 1.0 L) 14.5 ADR/RID (EU): UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1.0 L) 14 6 SCT (MEXICO): UN1950, AEROSOLES, 2.1 (CANTIDAD LIMITADA, IP VOL ≤ 1.0 L) 14 7 ADGR (AUS): UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1.0 L) 15. REGULATORY INFORMATION SARA Reporting 15.1 This product contains Toluene, Methanol, and Isopropanol, substances subject to SARA Title III, section 313 reporting Requirements requirements. 15.2 SARA Threshold Planning Dimethyl Ether TPQ: 4535 kg (10,000 lbs) Quantity: 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 Acetone: 2270 kg (5,000 lbs) (RQ): 15.5 Other Federal Requirements: None of the ingredients are listed as Hazardous Air Pollutants (HAPs). None of the ingredients are listed as Toxic Pollutants under the Clean Water Act (CWA). None of the ingredients are listed as Priority Pollutants under the Clean Water Act (CWA). This product does not contain any Class 1 or Class 2 ozone depletors Other Canadian Regulations: 15.6 This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the ingredients are listed on the Priorities Substances List. WHMIS Class B5, D2B (Flammable Aerosols, Other Toxic Effects).

HARBOR FREIGHT TOOLS

Quality Tools at Midiculously Low Prices

Prepared by:

ShipMate, Inc. P.O. Box 787

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.0 SDS Revision Date: 12/24/2015 15. REGULATORY INFORMATION – cont'd Acetone is found on the following state criteria lists: California OSHA Hazardous Substances List (CA), Delaware Air 15.7 State Regulatory Information: Quality Management List (DE), Massachusetts Hazardous Substances List (MA), 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) and Wisconsin Hazardous Substances List (WI). Dimethyl Ether is found on the following state criteria lists: FL, MA, MN, NJ and PA. 2-Butoxyethanol is found on the following state criteria lists: FL, MA, MN, NJ, PA and WA. 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), 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 listed in Annex I of EU Directive 67/548/EEC: Dimethyl Ether: Acetone: Flammable, Harmful (F, Xn). Risk Phrases (R): 12 - Extremely flammable. Safety Phrases (S): (2-)9-16-33 - Keep out of the reach of children. Keep container in a well-ventilated place. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. 16. OTHER INFORMATION Other Information: DANGER! EXTREMELY FLAMMABLE AEROSOL. PRESSURIZED CONTAINER MAY BURST IF HEATED. HARMFUL IF SWALLOWED. CAUSES SKIN IRRITATION. CAUSES SERIOUS EYE IRRITATION. Keep away from heat, hot surface, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °F (122 °F). Wash thoroughly with soap and water after handling. Do not eat, drink or smoke when using this product. IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention. KEEP OUT OF REACH OF CHILDREN. Terms & Definitions: 16.2 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 HARBOR FREIGHT TOOL Calabasas, CA 91302 USA Tel: +1 (805) 388-1000 http://www.harborfreight.com

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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.

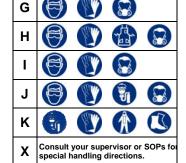
HMIS-III HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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



PERSONAL PROTECTION RATINGS:

1 LIV	JONALI	KOILC	IION IX	1111400.
Α				
В				
С				
D	固			
Е				
F			4	













Protective Clothing



Full Face Respirator

Dust & Vapor Half-



Airline Hood/Mask or SCBA

Mask Respirator OTHER STANDARD ABBREVIATIONS:

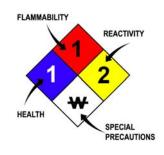
ML	Maximum Limit
mg/m3	milligrams per cubic meter
NA	Not Available
ND	Not Determined
NE	Not Established
NF	Not Found
NR	No Results
ppm	parts per million
SCBA	Self-Contained Breathing Apparatus

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:					
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition				
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source				
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source				

HAZARD RATINGS:

0	Minimal Hazard			
1	Slight Hazard			
2	Moderate Hazard			
3	Severe Hazard			
4	Extreme Hazard			
ACD	Acidic			
ALK	Alkaline			
COR	Corrosive			
₩	Use No Water			
ох	Oxidizer			
TREFOIL	Radioactive			



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals s
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD _{io}	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 _{lo} , & LC _o	
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL _m	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	EPA U.S. Environmental Protection Agency					
DSL Canadian Domestic Substance List						
NOHSC	National Occupational Health and Safety Commission (Australia)					
NDSL	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:

TOTAL ENGLISHED CO INSTITUTE IDENTITION (TITIME) CTCTEME							
	((2)	(3)	\odot	(18)		
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:

	T.		M	*			X	X
Ī	С	E	F	N	0	Т	Xi	Xn
Ī	Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

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

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