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BC-005

.1	Product Name:			T & COM			• • • • •						
	Froduct Name.	SUPER	BLUE <sup>®</sup> LIC	UID GUN	BLUE								
.2	Chemical Name:	Acid Mixture											
.3	Synonyms:		2,13487, 13488,	13489									
.4	Trade Names:		_iquid Gun Blue										
.5	Product Use:	Metal Finishir	ng										
.6	Distributor's Name:	Birchwood Ca											
.7	Distributor's Address:	3260 Winparl	k Drive, New Ho	pe, MN., 5542	7 USA								
.8	Emergency Phone:	ChemTrec	+1 (800) 424-	9300 / +1 (70	3) 527-3	<b>887</b> or	Pois	on Co	ntrol (	Cente	r +1 (86	66) 291-71	52
.9	Business Phone / Fax:	+1 (952) 388	-6717										
			2 H/	ZARDS I	DENT	IFIC.	ATIO	N					
.1	Hazard Identification:	This product	is classified as						annde	accord	ding to th	na classifica	tion critoria
		[NOHSC: 108 DANGER! N DAMAGE. T	88 (2004)] and A MAY INTENSIFY OXIC IF INHAL 1: Ox. Liq. 3; Act	ADG Code (Aus YFIRE; OXIDIZ ED. HARMFU	stralia). ZER. TO IL TO AQ	KIC IF S	SWALI	LOWEI	D. CAI	JSES	SEVERE	SKIN BUF	
.2	Label Elements:	Hazard State	ements (H): H2	72 – May inter	nsify fire;	oxidize	r. H30	)1 – To					
			ere skin burns a	nd eye damag	e. H331	<ul><li>Toxic</li></ul>	if inh	aled. H	412 –	Harmf	ful to aqu	uatic	
			lasting effects.	D), D040   Ka				£					JAK.
			y Statements (I										(F.A)
		and other igr	nition sources. 260 – Do not bre	ino smoking. F	220 - Ke	ep awa	y Iron	l ClOthii	ng and molyor	otner	COMBUSI	ach	<u> </u>
			d water thoroug										
			71 – Use only										X
		onvironment	. P280 - Wear	outuouis oi iii	a well-v	tivo olo	u aita	1. FZ/	otootio	n/ foo	o protoot	ion	
		D201   D210	- IF SWALLOW	ED: Immodiato	ly call a E	CIVE CIC	ı CEVI.	Eye pi	doctor	/nhyci	cian Da	1011.	
			tments see this										
													V
			8+P361+P353 – rith water [or sho										
													X
			D: Remove pe er +1-866-291-										
			veral minutes.										Pa
			– In case of fire										₩ 🖑
			2391 – Collect s										<b>\</b> /
		tightly closes	d. P405 – Store	locked up P	-233 - 31 2501 - Die	ennea c	of con	tente/ c	ontain	e. Ne	ep conta	ved	
		waste dispos		locked up. 1	301 - Di	spose c	0011	ionio, c	Ontain	01 10 6	ин аррго	vcu	•
	Other Warnings:			or medical ind							a physici	an or local	
3		in the event			uirv invol	vina this	s prod	uct. ple	ase co	mtact a			poison con
3			nay seek advice								. , ,		poison con
.3		center, who r		from the U.S.							, , , ,		poison con
.3		center, who r	may seek advice OF REACH OF	from the U.S. CHILDREN.	manufact	urer, ar	nd sho	w them	this SI	OS.			poison con
.3		center, who r	nay seek advice	from the U.S. CHILDREN.	manufact	urer, ar	nd sho	w them	this SI	OS.  ON		(ma/m³)	poison con
.3		center, who r	may seek advice OF REACH OF	from the U.S. CHILDREN.	manufact	urer, ar	iNF(	w them	this SI	OS.  ON	ITS IN AIR	(mg/m³) HA	poison con
.3		center, who r	may seek advice OF REACH OF	from the U.S. CHILDREN.	manufact	urer, an	INF(	ORM	ATIC EXPOSE	OS.  ON	ITS IN AIR OS	· · ·	poison con
		center, who received as a contract of the cont	may seek advice OF REACH OF OMPOSIT	on & INC	REDI	ENT  ACG	INF(	ORM  N ES-	ATIC EXPOSE OHSC ppm ES-	OS.  ON  JRE LIM  ES-	ITS IN AIR OS PI	HA om	poison cont
	CAL NAME(S)	3. C	OMPOSIT	on & INC	REDI %	ENT  ACG ppr TLV	INF(	ORM  N  ES- TWA	ATIC EXPOSU OHSC ppm ES- STEL F	OS.  DN  URE LIM  ES- EAK	ITS IN AIR OS PI PEL STI	HA om	poison cont
EM	• •	center, who received as a contract of the cont	may seek advice OF REACH OF OMPOSIT	on & INC	REDI	ENT  ACG	INF(	ORM  N  ES- TWA	ATIC EXPOSU OHSC ppm ES- STEL F	OS.  DN  URE LIM  ES- EAK	ITS IN AIR OS PI	HA om	
	• •	3. Co	OMPOSIT  RTECS No.  ZC0110000	ON & INC EINECS No. 231-791-2	REDI  % 60-100	ENT  ACG  ppr  TLV  NE	INF(	ORM N ES- TWA	ATIC EXPOSU OHSC ppm ES- STEL F	OS.  ON  JRE LIM  ES- EAK  NF	OS PEL STE	HA om EL IDLH E NE	
ATE	• •	CAS No. 7732-18-5 7783-00-8	PRINCE No. 2C0110000	From the U.S. CHILDREN.  ON & INC  EINECS No. 231-791-2  231-974-7	% 60-100	ENT  ACG  ppr  TLV  NE  (0.2)	INF(	ORM  N  ES- TWA  NF  (0.2)	ATIC EXPOSE OHSC ppm ES- STEL F	OS.  ON  JRE LIM  ES- EAK  NF	ITS IN AIR OS PI PEL STI	HA om EL IDLH E NE	
EM ATE	R NIOUS ACID	CAS No. 7732-18-5 7783-00-8 Acute Tox. 3;	OMPOSIT  RTECS No.  ZC0110000	From the U.S. CHILDREN.  ON & INC EINECS No. 231-791-2  231-974-7 latic Acute 1; Aqu	% 60-100	ENT  ACG  ppr  TLV  NE  (0.2)	INF(	ORM  N  ES- TWA  NF  (0.2)	ATIC EXPOSU OHSC ppm ES- STEL F NF	DN URE LIM ES- PEAK NF (	OS PF	HA Dom EL IDLH E NE NA NA	
EM ATE	:R	CAS No. 7732-18-5 7783-00-8 Acute Tox. 3; 7697-37-2	RTECS No. ZC0110000  VS7175000 Acute Tox. 3; Aqual QU5775000	EINECS No. 231-974-7 latic Acute 1; Aqu 231-714-2	% 60-100	ENT  ACG  ppr  TLV  NE  (0.2)  iic; H301	INF( IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	NF (0.2) , H400,	ATIC EXPOSU OHSC ppm ES- STEL F NF	OS.  ON  JRE LIM  ES- EAK  NF	OS PFEL STENE	HA Dom EL IDLH E NE NA NA	
EM ATE	R NIOUS ACID	CAS No. 7732-18-5 7783-00-8 Acute Tox. 3; 7697-37-2	RTECS No. ZC0110000  VS7175000 Acute Tox. 3; Aqu	EINECS No. 231-791-2 231-714-2 H314	% 60-100	ENT  ACG  ppr  TLV  NE  (0.2)  iic; H301	INF( IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	NF (0.2) , H400,	ATIC EXPOSE OHSC ppm ES- STEL F NF	DN URE LIM ES- PEAK NF (	OS PF	HA DIM EL IDLH E NE NA NA 25	
EM ATE	R NIOUS ACID	CAS No. 7732-18-5 7783-00-8 Acute Tox. 3; 7697-37-2 Ox. Liq. 3; Sk 10031-43-3	RTECS No. ZC0110000  VS7175000 Acute Tox. 3; Aqi QU5775000 kin Corr. 1A; H272	EINECS No. 231-791-2 231-974-7 latic Acute 1; Aqu 231-714-2 H314 221-838-5	% 60-100  1-5 uatic Chror 1-5	ENT  ACG ppr TLV NE  (0.2) iic; H301	INF( IIII  STEL  NE  NA  , H331  4	ORM  ES- TWA  NF  (0.2) , H400, 2	ATIC EXPOSE OHSC ppm ES- STEL F NF	DN  JRE LIM  ES- EAK  NF  NF  (NF)	ITS IN AIR OS PIPEL STIENE NE NE NE 0.2) NA	HA DIM EL IDLH E NE NA NA 25	
TE	R NIOUS ACID	CAS No. 7732-18-5 7783-00-8 Acute Tox. 3; 7697-37-2 Ox. Liq. 3; Sk 10031-43-3	RTECS No. ZC0110000  VS7175000 Acute Tox. 3; Aquad QU5775000 kin Corr. 1A; H272	EINECS No. 231-791-2 231-974-7 latic Acute 1; Aqu 231-714-2 H314 221-838-5	% 60-100  1-5 uatic Chror 1-5	ENT  ACG ppr TLV NE  (0.2) iic; H301	INF( IIII  STEL  NE  NA  , H331  4	ORM  ES- TWA  NF  (0.2) , H400, 2	ATIC EXPOSE OHSC PPM ES- STEL F NF NF H410 4	DN  JRE LIM  ES- EAK  NF  NF  (NF)	ITS IN AIR OS PIPEL STIENE NE NE NE 0.2) NA	HA DIM	



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			4. FIRST AID MEASURES		
4.1	First Aid:		DO NOT INDUCE VOMITING. Contact Poison Control Control Center or local emergency telephone number for medical attention. If vomiting occurs spontaneously, keep	assistance and instructions. Seek imme	ediate
		Eyes:	risk of aspiration.  If product gets in the eyes, flush eyes thoroughly with copholding eyelid(s) open to ensure complete flushing. If	the eyes or face become swollen duri	
		<u>Skin</u> :	following use, consult a physician or emergency room imm Remove contaminated clothing and wash affected areas and/or the skin reaction worsens, contact a physician im- until after it has been properly cleaned.	with soap and water. If discomfort pe	
		Inhalation:	Remove victim to fresh air at once. Under extreme corespiration. Seek immediate medical attention.	onditions, if breathing stops, perform a	rtificial
4.2	Effects of Exposure:	Eyes:	Severe or permanent eye damage.		
		Skin:	Burns upon direct contact.		
		Ingestion:	Severe burns of mouth, throat, stomach.		
		Inhalation:	Severe irritation or burns in respiratory tract and mucous m	nembranes. Possible lung damage.	
4.3	Symptoms of Overexposure:	Eyes:	Redness, burning, irritation, and swelling around eyes		
			Redness, burning, itching, rash, blistering of skin.		
			Nausea, vomiting, severe abdominal pain.		
			Coughing, wheezing, swelling of throat, irritation in mucous		
4.4	Acute Health Effects:		ful if inhaled. Material is extremely destructive to the ti		upper
4.5	Chronic Hoolth Effects		ct. May be harmful if swallowed. Causes burns. May be har	mful if absorbed through skin.	
4.5	Chronic Health Effects:		ne nervous system, kidney and/or liver.		
4.6	Target Organs:  Medical Conditions		rvous System, Kidneys, Liver, Respiratory System		
4.7	Aggravated by Exposure:		ermatitis, other skin conditions, and disorders of the target	HEALTH	3
			skin, and respiratory system) or impaired kidney function usceptible to the effects of this substance.	FLAMMABILITY	0
		lillay be illole s	usceptible to the effects of this substance.	PHYSICAL HAZARDS	2
				PROTECTIVE EQUIPMENT	H
					П
4.8	Notes to Physician:			EYES SKIN LUNGS	
4.0	Notes to Physician.	should be cons	contains <u>Selenious Acid</u> and is potentially fatal if ingested sidered in asymptomatic or minimally symptomatic patient lti-organ failure may occur. 24/7 medical toxicology consult:	s as delayed toxic effects including pulm	
			5. FIREFIGHTING MEASURES		
5.1	Fire & Explosion Hazards:		e. May react with metals to release hydrogen gas, which ontensity fire; oxidizer.	can form explosive mixtures	
5.2	Extinguishing Methods:	Use fire-extingu	uishing media appropriate for surrounding materials.		
5.3	Firefighting Procedures:	approved or ed as for surroun degradation m and/or derivativ	e, firefighters should wear appropriate protective equipmenduivalent self-contained breathing apparatus (SCBA) and pending materials. Hazardous decomposition products any produce oxides of carbon, phosphorous, selenium and ves. Fire should be fought from a safe distance. Keep could be water spray to cool fire-exposed surfaces and to	rotective clothing. Fight fires may be released. Thermal d/or nitrogen, hydrocarbons ontainers cool until well after	2
			ent runoff from fire control or dilution from entering sewers, o		
		6	. ACCIDENTAL RELEASE MEASURE	S	
6.1	Spills:	Before cleanin Equipment (PP apron, boots, e <u>Small Spills</u> : W inert material s <u>Large Spills</u> : W	g any spill or leak, individuals involved in spill cleanup PE). Use safety glasses or safety goggles and face shield; etc.) to prevent skin contact. /ear appropriate protective equipment including gloves and such as vermiculite or sand to soak up the product and place (seep incompatible materials (e.g., organics such as oil) aw solate immediate hazard area and keep unauthorized person	must wear appropriate Personal Protuse gloves and other protective clothing protective eyewear. Use a non-combuse into a container for later disposal. Tay from spill. Stay upwind and away from	(e.g., stible, m spill



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	· · · ·										
		7. HANDLING	& STO	ORAG	E INFO	ORMA	TION				
7.1	Work & Hygiene Practices:	Avoid breathing mists or spray. Avoid the reach of children. Do not exexpose to heat and flame. Use o decontaminate any spills or residu	at, drink o nly in ve	or smoke	when har	dling this	product.	Wash th	oroughly	after ha	ndling. Do not
7.2	Storage & Handling:	Use and store in a cool, dry, we sunlight. Store in acid-resistant or (120 °F). Keep away from incomp	ontainers	. Keep o	ontainers	covered v	when not i	in use. A	void tem	perature	s above 40 °C
7.3	Special Precautions:	Empty containers may retain haza			,						
		8. EXPOSURE CONT	DOI 9	9 DE	DSON	AI DI	OTE	TION			
8.1	Exposure Limits:	6. EXPOSORE CONT	ACC		INSUN	NOHSC	VOIL	TION	OSHA		OTHER
0.1	ppm (mg/m <sup>3</sup> )		ACC	JIN		ES-	ES-		USHA		OTHER
		CHEMICAL NAME(S) SELENIOUS ACID	TLV (0.2)	STEL NA	(0.2)	STEL NF	PEAK NF	PEL (0.2)	STEL NA	IDLH NA	
		NITRIC ACID	2	4	2	4	NF	2	NA	25	
		CUPRIC NITRATE	1	NA	NF	NF	NF	1	NA	NA	
		CUPRIC PHOSPHATE	1	NA	NF	NF	NF	1	NA	NA	1
8.2	Ventilation & Engineering Controls:  Respiratory Protection:	Use local or general exhaust vent handling of this product. Ensure a station).  In instances where vapors or spra	ppropriat	e decon	are gener	equipme ated, and	nt is availa	ry protec	, sink, sa tion is ne	eded,	
		use only protection authorized by 2 CAS Standard Z94.4-93 and ap Australia.									
8.4	Eye Protection:	Safety glasses with side shields r shield is also recommended.	must be u	used whe	en handlin	g or usin	g this pro	duct. A	protective	e face	
8.5	Hand Protection:	Wear protective, chemical-resistar	nt gloves	(e.g., ne	oprene) wł	nen using	or handli	ng this pr	oduct.		
8.6	Body Protection:	A chemical resistant apron and/o product.	r protect	ive cloth	ing are re	commen	ded when	handling	g or usin	g this	
		9. PHYSICAL	& CH	EMIC.	AL PR	OPER	TIES				
9.1	Appearance:	Blue liquid									
9.2	Odor:	Odorless									
9.3	Odor Threshold:	0.29 to 0.98 ppm (Nitric Acid)									
9.4	pH:	1.0									
9.5	Melting Point/Freezing Point:	NA									
9.6	Initial Boiling Point/Boiling Range:	> 100 °C (> 214 °F)									
9.7	Flashpoint:	NA									
9.8	Upper/Lower Flammability	NA									
9.9	Limits: Vapor Pressure:	NA									
9.10	Vapor Density:	< 1.0 (Air = 1.0)									
9.11	Relative Density:	1.080									
9.12	Solubility:	Soluble									
9.13	Partition Coefficient (log Pow):	NA									
9.14	Autoignition Temperature:	NA									
9.15	Decomposition Temperature:	NA									
9.16	Viscosity:	NA									
9.17	Other Information:	Evaporation Rate: < 1.0 (ethyl ethe	er = 1 (1)								
			51 – 1.0)								
		10. STA	BII IT	Y & R	FACTI	VITY					
10.1	Stability:	Stable at normal temperatures.	<u></u>	<u>. ∽ ı\</u>	<u>_, \\                                  </u>	··· ·					
10.2	Hazardous Decomposition Products:	Reaction with organics and stroidecomposition may produce selen						nides an	d hydrog	gen sele	nide. Thermal
10.3	Hazardous Polymerization:	, , ,	ium, millo	gen, pho	ospilolic al	и сорре	oxides.				
10.3	Conditions to Avoid:	Will not occur.  Excessive heat, shock, friction.									
		Cyanides, water-reactive substan	ooo otro			1- 1 2	otod oloc	noro or	canitizare		otible organia
10.5	Incompatible Substances:				יים חבי חחוי	C CDIATIF					



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Routes of Entry: Toxicity Data: Acute Toxicity: Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices: Physician Recommendations:	
Acute Toxicity: Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices:	See Section 4.4  See Section 4.5  Components in this product are listed by IARC as Group 3 (Not classifiable as to its carcinogenicity to humans).  Cupric Nitrate is IARC Group 2A: Probably carcinogenic to humans.  This product is not reported to cause reproductive toxicity in humans.  This product is not reported to produce mutagenic effects in humans.  This product is not reported to produce embryotoxic effects in humans.  This product is not reported to cause teratogenic effects in humans.  This product is not reported to cause teratogenic effects in humans.  This product is not reported to cause reproductive effects in humans.  See Section 4.2
Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices:	See Section 4.5  Components in this product are listed by IARC as Group 3 (Not classifiable as to its carcinogenicity to humans). <u>Cupric Nitrate</u> is IARC Group 2A: Probably carcinogenic to humans.  This product is not reported to cause reproductive toxicity in humans.  This product is not reported to produce mutagenic effects in humans.  This product is not reported to produce embryotoxic effects in humans.  This product is not reported to cause teratogenic effects in humans.  This product is not reported to cause reproductive effects in humans.  See Section 4.2
Suspected Carcinogen:  Reproductive Toxicity:  Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices:	Components in this product are listed by IARC as Group 3 (Not classifiable as to its carcinogenicity to humans). <u>Cupric Nitrate</u> is IARC Group 2A: Probably carcinogenic to humans.  This product is not reported to cause reproductive toxicity in humans.  This product is not reported to produce mutagenic effects in humans.  This product is not reported to produce embryotoxic effects in humans.  This product is not reported to cause teratogenic effects in humans.  This product is not reported to cause reproductive effects in humans.  See Section 4.2
Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices:	Cupric Nitrate is IARC Group 2A: Probably carcinogenic to humans.  This product is not reported to cause reproductive toxicity in humans.  This product is not reported to produce mutagenic effects in humans.  This product is not reported to produce embryotoxic effects in humans.  This product is not reported to cause teratogenic effects in humans.  This product is not reported to cause reproductive effects in humans.  See Section 4.2
Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices:	This product is not reported to cause reproductive toxicity in humans.  This product is not reported to produce mutagenic effects in humans.  This product is not reported to produce embryotoxic effects in humans.  This product is not reported to cause teratogenic effects in humans.  This product is not reported to cause reproductive effects in humans.  See Section 4.2
Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices:	This product is not reported to produce mutagenic effects in humans.  This product is not reported to produce embryotoxic effects in humans.  This product is not reported to cause teratogenic effects in humans.  This product is not reported to cause reproductive effects in humans.  See Section 4.2
Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices:	This product is not reported to produce embryotoxic effects in humans.  This product is not reported to cause teratogenic effects in humans.  This product is not reported to cause reproductive effects in humans.  See Section 4.2
Teratogenicity:  Reproductive Toxicity:  Irritancy of Product:  Biological Exposure Indices:	This product is not reported to cause teratogenic effects in humans.  This product is not reported to cause reproductive effects in humans.  See Section 4.2
Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices:	This product is not reported to cause reproductive effects in humans.  See Section 4.2
Irritancy of Product: Biological Exposure Indices:	See Section 4.2
Biological Exposure Indices:	
Physician Recommendations:	
	Treat symptomatically.
	, ,
	12. ECOLOGICAL INFORMATION
Environmental Stability:	There are no specific data available for this product.
Effects on Plants & Animals:	There are no specific data available for this product.
Effects on Aquatic Life:	Very toxic to aquatic life with long lasting effects. Phosphoric Acid: EC <sub>50</sub> (Daphnia magna, 12h) = 4.6 mg/L
	13. DISPOSAL CONSIDERATIONS
Waste Disposal:	Review current local, state and federal laws, codes, statutes and regulations to determine current status and appro
	disposal method for the ingredients listed in Section 2. Any disposal practice must be in compliance with local, state federal laws and regulations. Contact the appropriate agency for specific information. Treatment, transport, storag
	disposal of hazardous waste must be provided by a licensed facility or waste hauler.
Special Considerations:	U.S. EPA Hazardous Waste – Characteristic - Corrosive (D002), Characteristic - Toxic (D010)
'	C.O. El Amazardodo Waste Gilatatoristic Correstive (2002), Gilatatoristic Toxic (2010)
	14. TRANSPORTATION INFORMATION
	proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive infor
	UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, NITRIC
, ,	ACID), 8, II (IP VOL ≤ 1.0 L LTD QTY), or CONSUMER COMMODITY, ORM-D (UNTIL
	12/31/20)
IATA (AIR)*:	UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, NITRIC
	ACID), 8,II, (IP VOL ≤ 0.1 L LTD QTY)
IMDG (OCN):	UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, NITRIC
, ,	ACID), 8, II (IP VOL ≤ 1.0 L LTD QTY)
	•
(	UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, NITRIC ACID), 8, II (IP VOL ≤ 1.0 L LTD QTY)
ADR/RID (FIII)	
ADIVIND (E0).	UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, NITRIC
CCT (MEVICO):	ACID), 8, II (IP VOL ≤ 1.0 L LTD QTY)
SCT (MEXICO):	UN3264, LIQUIDOS, CORROSIVOS, ACIDO, INORGANICO, N.E.P. (ACIDO SELENIO,
	ACIDO NITRICO), 8, II (IP VOL ≤ 1.0 L CANTIDAD LIMITADA ()
ADGR (AUS):	UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, NITRIC
	ACID), 8, II (IP VOL ≤ 1.0 L , LTD QTY)
	15. REGULATORY INFORMATION
SARA Reporting Requirements:	This product contains <u>Nitric Acid</u> , <u>Cupric Sulfate</u> and <u>Selenious Acid</u> , substances subject to SARA Title III, Sectic reporting requirements.
SARA TPQ:	302 TPQ (Nitric Acid): 1,000 lbs (454 kg)
TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.
CERCLA Reportable Quantity:	Selenious Acid: 10 lbs (4.54 kg); Nitric Acid: 1,000 lbs (454 kg); Cupric Sulfate: 10 lbs (4.54 kg)
Other Federal Requirements:	NA
<u> </u>	This product has been classified according to the hazard criteria of the CPR and the MSDS
	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 Class E (Corrosive Material). WHMIS Class D1 (Materials Causing Immediate and
E SEA IN TO A SEA	Effects on Aquatic Life:  Waste Disposal:  Special Considerations:  Sic description (ID Number, required by 49 CFR, IATA/99 CFR (GND):  ATA (AIR)*:  DGR (Canadian GND):  DGR (Canadian GND):  DGR (AUS):  SARA Reporting Requirements:  SARA TPQ:  TSCA Inventory Status:  CERCLA Reportable Quantity:



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		15. REGULATORY INFORMATION – cont'd
15.7	State Regulatory Information:  Other Requirements:	Selenious Acid is found on the following state criteria lists: Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), Pennsylvania Right-to-Know List (PA), and Wisconsin Hazardous Substances List (WI).  Nitric Acid is found on the following state criteria lists: FL, MA, MN, NJ, PA, and WA.  Cupric nitrate is found on the following sate criteria list: MA, PA and NJ.  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).  This product does not contain any chemicals known to the State of California to cause cancer or
		other reproductive harm. For more information go to <a href="www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
		46 OTHER INCORMATION
	T	16. OTHER INFORMATION
16.1	Other Information:	DANGER! MAY INTENSIFY FIRE; OXIDIZER. TOXIC IF SWALLOWED. CAUSES SEVERE SKIN BURNS AND EYE DAMAGE. TOXIC IF INHALED. HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from clothing and other combustible materials. Do not breathe dust or mist. Avoid breathing fume/vapors. Wash with soap and water thoroughly after handling. Do not eat, drink, or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Specific treatments see this container label and section 4 First Aid of this SDS. Rinse mouth. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a Poison Center +1-866-291-7152/doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. In case of fire: Use fire-extinguishing media appropriate for surrounding materials to extinguish. Collect spillage. Store in a well-ventilated place. Keep container tightly closed. Store locked up.  KEEP LOCKED UP AND OUT OF REACH OF CHILDREN.
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.
16.3	Disclaimer:	This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate's & Birchwood Casey, LLC 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:	Birchwood Casey, LLC 3260 Winpark Drive New Hope, MN 55427 USA Tel: +1 (952) 388-6717 Email: customerservice@birchwoodcasey.com http://www.birchwoodCasey.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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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 2.1 SDS Revision Date: 10/25/2018

### **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
RTECS No.	Registry of Toxic Effects of Chemical Substances Number
EINECS No.	European Inventory of Existing Commercial Chemical Substances Number

#### **EXPOSURE LIMITS IN AIR:**

ACGIH	American Conference on Governmental Industrial Hygienists
IDLH	Immediately Dangerous to Life and Health
NOHSC	National Occupational Health and Safety Commission (Australia)
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.

#### HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

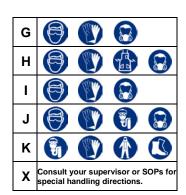
### **HEALTH, FLAMMABILITY & REACTIVITY RATINGS:**

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



## PERSONAL PROTECTION RATINGS:

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В			
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F		H,	





#### OTHER STANDARD ABBREVIATIONS:

Carc	Carcinogenic
Irrit	Irritant
NA	Not Available
NR	No Results
ND	Not Determined
NE	Not Established
NF	Not Found
SCBA	Self-Contained Breathing Apparatus
Sens	Sensitization
STOT RE	Specific Target Organ Toxicity – Repeat Exposure
STOT SE	Specific Target Organ Toxicity – Single Exposure

### NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:				
Autoignition	Minimum temperature required to initiate combustion in air with no other source			
Temperature	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	FLAMMABILITY				
1	Slight Hazard	\				
2	Moderate Hazard	REACTIVITY				
3	Severe Hazard					
4	Extreme Hazard					
ACD	Acidic					
ALK	Alkaline					
COR	Corrosive	/ <b>\ \ \</b> \ <b>\</b>				
W	Use No Water	HEALTH				
ОХ	Oxidizer	SPECIAL				
TREFOIL	Radioactive	PRECAUTIONS				

#### TOXICOLOGICAL INFORMATION:

LD <sub>50</sub>	Lethal Dose (solids & liquids) which kills 50% of the exposed animals			
LC <sub>50</sub>	Lethal concentration (gases) which kills 50% of the exposed animal			
ppm	Concentration expressed in parts of material per million parts			
TD <sub>Io</sub>	Lowest dose to cause a symptom			
TCLo	Lowest concentration to cause a symptom			
TD <sub>io</sub> , LD <sub>io</sub> , & LD <sub>o</sub> or	Lowest dose (or concentration) to cause lethal or toxic effects			
TC, TCo, LCio, & LCo				
IARC	International Agency for Research on Cancer			
NTP	National Toxicology Program			
RTECS	Registry of Toxic Effects of Chemical Substances			
BCF	Bioconcentration Factor			
TLm	Median threshold limit			
log Kow or log Koc	Coefficient of Oil/Water Distribution			

## REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System					
DOT	U.S. Department of Transportation					
TC	Transport Canada					
EPA	U.S. Environmental Protection Agency					
DSL	DSL Canadian Domestic Substance List					
NDSL	Canadian Non-Domestic Substance List					
PSL	PSL Canadian Priority Substances List					
TSCA	TSCA U.S. Toxic Substance Control Act					
EU	EU European Union (European Union Directive 67/548/EEC)					
WGK	WGK Wassergefährdungsklassen (German Water Hazard Class)					

## WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

0	<b>®</b>			$\Theta$	(%)		
Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

#### 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