

Page 1 of 6 BC-005

Product Name: Chemical Name: Synonyms: Trade Names: Product Use: Distributor's Name: Distributor's Address: Emergency Phone: Business Phone / Fax: Hazard Identification:	SUPER B Acid Mixture 13425, 13432, Super Blue®Lid Metal Finishing Birchwood Cas 7887 Fuller Ro ChemTrec + +1 (952) 388-6	sey. sey. oad, Suite #100, <b>-1 (800) 424-9</b> 5717	UID GUN R2, R2-QT Eden Prairie,	BLUE MN 5534 3) 527-3	4 USA		Nz St Es ls tez Er 08 02 Pc	eve's Wi splanade land Bay am@stev mergency 300 303 3 274 905 7 bison Co	Wellingto veswholes vocontact: 303 708 potrol 0800	on 6023 sale.nz : Steve ( ) POISO	Collings N (0800 764 7
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Synonyms: Frade Names: Product Use: Distributor's Name: Distributor's Address: Emergency Phone: Business Phone / Fax:	Acid Mixture 13425, 13432, Super Blue <sup>®</sup> Lid Metal Finishing Birchwood Cas 7887 Fuller Ro ChemTrec + +1 (952) 388-6 This product is classification c DANGER! M.	, 13488, 13489, iquid Gun Blue g sey. bad, Suite #100, <b>-1 (800) 424-9</b> 3717 <b>2. HA</b>	R2, R2-QT Eden Prairie, <b>300 / +1 (703</b>	MN 5534 3) <b>527-3</b>	14 USA	son Cor	Es Isl Er 08 02 Pr	splanade land Bay am@stev mergency 300 303 3 274 905 7 bison Co	Wellingto veswholes vocontact: 303 708 potrol 0800	on 6023 sale.nz : Steve ( ) POISO	Collings N (0800 764 7
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Product Use: Distributor's Name: Distributor's Address: Emergency Phone: Business Phone / Fax:	Metal Finishing Birchwood Cas 7887 Fuller Ro ChemTrec + +1 (952) 388-6 This product is classification c DANGER! M	g sey. bad, Suite #100, -1 (800) 424-9 5717 2. HA	300 / +1 (703	3) 527-3		son Cor	08 	300 303 3 274 905 7 Dison Col	303 708 ontrol 0800	POISO	N (0800 764 7
Distributor's Name: Distributor's Address: Emergency Phone: Business Phone / Fax:	Birchwood Cas 7887 Fuller Ro ChemTrec + +1 (952) 388-6 This product is classification c DANGER! M	sey. bad, Suite #100, -1 (800) 424-9 5717 2. HA	300 / +1 (703	3) 527-3		son Cor	Po	oison Co	ontrol 0800		,
Distributor's Address: Emergency Phone: Business Phone / Fax:	7887 Fuller Ro ChemTrec + +1 (952) 388-6 This product is classification c DANGER! M	bad, Suite #100, <b>1 (800) 424-9</b> 5717 <b>2. HA</b>	300 / +1 (703	3) 527-3		son Cor					,
Emergency Phone: Business Phone / Fax:	ChemTrec + +1 (952) 388-6 This product is classification c DANGER! M	<b>1 (800) 424-9</b> 5717 <b>2. HA</b>	300 / +1 (703	3) 527-3		son Cor	ntrol Cen	ter +1	(866) 2	91-71	52
Business Phone / Fax:	+1 (952) 388-6 This product is classification c DANGER! M	<b>2. HA</b>	·		887 or Pol	son Cor	itrol Cen	ter +1	(866) 2	91-71:	52
	This product is classification c DANGER! M	2. HA	ZARDS II								<u>·                                    </u>
lazard Identification:	classification c										
lazard Identification:	classification c			τΝΕΓ	FICATIO	אכ					
		criteria of [NOHS IAY INTENSIFY	a hazardous SC: 1088 (2004	substanc 4)] and A	e and as d DG Code (A	angerous ustralia).	-	-	-		
	SKIN BURNS AND EYE DAMAGE. TOXIC IF INHALED. HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS.         Hazard Statements (H): H272 – May intensify fire; oxidizer. H301 – Toxic if swallowed. H314 – Causes severe skin burns and eye damage. H331 – Toxic if inhaled. H412 – Harmful to aquatic life with long lasting effects.         Precautionary Statements (P): P210 – Keep away from heat, hot surfaces, sparks, open flames										
	Wash with soa using this prod the environme protection. doctor/physicia SDS. P330 – contaminated before reuse. breathing. P3 EYES: Rinse easy to do. appropriate for a well-ventilate	ap and water th duct. P271 – Us ent. P280 - P301+P310 - an. P321 – Spe - Rinse mouth. clothing. Rins P304+P340 – 311 – Call a F cautiously with Continue rinsi r surrounding m ed place. Keep	noroughly after se only outdoo Wear protecti IF SWALLC ccific treatment P303+P361+I e skin with wa IF INHALED: 'oison Center water for sev ng. P370+P3 aterials to extin container tight	handling rs or in a ve glove WED: I ssee thi P353 – I ater [or s Remove +1-866-2 eral min 378 – Ir nguish. F	g. P270 – I well-ventila es/ protectiv Immediately s container I F ON SKIN shower]. P3 person to f 291-7152/do utes. Remo case of fi P391 – Colle d. P405 – S	Do not ea ted area. e clothin call a abel and (or hair): 363 – wa resh air a ctor. P3 byte conta ire: Use ect spillage	at, drink, o P273 – A g/ eye pr POISON section 4 l Take off i as contam and keep o 305+P351+ act lenses fire-exting e. P403+F	r smok void rel rotection CENT First Aic immedia inated o comforta P338 - if prese uishing P233 -	te when lease to n/ face FER or d of this ately all clothing able for – IF IN ent and g media Store in	< <	
Effects of Exposure:	Eves:         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 membranes. Possible lung damage.										
Symptoms of Overexposure:	Eves:       Redness, burning, irritation, and swelling around eyes         Skin:       Redness, burning, itching, rash, blistering of skin.         Ingestion:       Nausea, vomiting, severe abdominal pain.										
Acute Health Effects:	May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and up respiratory tract. May be harmful if swallowed. Causes burns. May be harmful if absorbed through skin.			s and uppe							
Chronic Health Effects:											
arget Organs:	Eyes, skin, ner	rvous system, k	idneys, liver, re	espiratory	y system.						
				<b>BBBBBBBBBBBBB</b>							
	3. CO	MPOSITIC		KEDI		-	_				
							EXPOSURE L			°)	
					ACGIH		OHSC		OSHA		
					ppm		ES- ES-	<del>                                      </del>	ppm		
	CAS No. RTECS No.	RTECS No.	EINECS No.	%	TLV STEL		ES- ES-	TLV	STEL ID	LH	OTHER
L NAME(S)	OAO NO.										
	7732-18-5	ZC0110000	231-791-2	60-100	NE NE	NF	NF NF	NE		1E	
AL NAME(S)	7732-18-5								NE N		
	7732-18-5	VS7175000	231-974-7	1-5	(0.2) NA	(0.2)	NF NF	NE (0.2)	NE N		
DUS ACID	7732-18-5 7783-00-8 Acute Tox. 3; A	VS7175000 Acute Tox. 3; Aqua	231-974-7 atic Acute 1; Aqu	1-5 atic Chror	(0.2) NA nic; H301, H33	(0.2) 1, H400, H	NF NF 1410	(0.2)	NE N NA N	IA	
	7732-18-5 7783-00-8 Acute Tox. 3; A 7697-37-2	VS7175000 Acute Tox. 3; Aqua	231-974-7 atic Acute 1; Aqu 231-714-2	1-5	(0.2) NA	(0.2)	NF NF		NE NA N		
DUS ACID	7732-18-5 7783-00-8 Acute Tox. 3; A 7697-37-2 Ox. Liq. 3; Skin	VS7175000 Acute Tox. 3; Aqua QU5775000 n Corr. 1A; H272,	231-974-7 atic Acute 1; Aqu 231-714-2 H314	1-5 atic Chror 1-5	(0.2) NA nic; H301, H33 2 4	(0.2) 1, H400, H	NF NF 1410 4 NF	(0.2)	NE NA NA 2	VA   25	
DUS ACID	7732-18-5 7783-00-8 Acute Tox. 3; A 7697-37-2 Ox. Liq. 3; Skin 10031-43-3	VS7175000 Acute Tox. 3; Aqua QU5775000 n Corr. 1A; H272, NA	231-974-7 atic Acute 1; Aqu 231-714-2 H314 221-838-5	1-5 atic Chror 1-5 1-3	(0.2) NA nic; H301, H33	(0.2) 1, H400, H	NF NF 1410	(0.2)	NE NA NA 2	IA	
DUS ACID	7732-18-5 7783-00-8 Acute Tox. 3; A 7697-37-2 Ox. Liq. 3; Skin 10031-43-3	VS7175000 Acute Tox. 3; Aqua QU5775000 n Corr. 1A; H272,	231-974-7 atic Acute 1; Aqu 231-714-2 H314 221-838-5 it. 2; H302, H319	1-5 atic Chror 1-5 1-3	(0.2) NA nic; H301, H33 2 4	0.2)     31, H400, H 2   NF	NF NF 1410 4 NF	(0.2)	NE NA NA NA NA NA NA	VA   25	
	ymptoms of Overexposure: cute Health Effects:	and other ign         materials.       P2         Wash with so       using this protection.         doctor/physici       SDS.         SDS.       P330 -         contaminated       before reuse.         breathing.       P         EYES:       Rinse         easy to do.       appropriate fo         a well-ventilat       contents/ cont         ffects of Exposure:       Eyes:         Skin:       Ingestion:         Inhalation:       Inhalation:         ymptoms of Overexposure:       Eyes:         Skin:       Ingestion:         Inhalation:       may be harm         respiratory tra       hronic Health Effects:         May damage       arget Organs:	and other ignition sources. If         materials. P260 – Do not br         Wash with soap and water th         using this product. P271 – Us         the environment. P280 -         protection. P301+P310 -         doctor/physician. P321 – Spe         SDS. P330 – Rinse mouth.         contaminated clothing. Rins         before reuse. P304+P340 –         breathing. P311 – Call a P         EYES: Rinse cautiously with         easy to do. Continue rinsi         appropriate for surrounding m         a well-ventilated place. Keep         contents/ container to an appr         ffects of Exposure:         Eyes:       Severe or permi-         Skin:       Burns upon dire         Ingestion:       Severe burns of         Inhalation:       Severe irritation         ymptoms of Overexposure:       Eyes:       Redness, burnir         Skin:       Redness, burnir         Ingestion:       Nausea, vomitir         Inhalation:       Coughing, whee         cute Health Effects:       May be harmful if inhaled.         respiratory tract. May be harm       respiratory tract. May be harm         hronic Health Effects:       May damage the nervous system, k	and other ignition sources. No smoking.         materials. P260 – Do not breathe dust or         Wash with soap and water thoroughly after         using this product. P271 – Use only outdoo         the environment. P280 - Wear protection.         protection. P301+P310 - IF SWALLC         doctor/physician. P321 – Specific treatment         SDS. P330 – Rinse mouth. P303+P361+I         contaminated clothing. Rinse skin with wa         before reuse. P304+P340 – IF INHALED:         breathing. P311 – Call a Poison Center         EYES: Rinse cautiously with water for sev         easy to do. Continue rinsing. P370+P3         appropriate for surrounding materials to extinate well-ventilated place. Keep container tigh         contents/ container to an approved waste distribution of the sevience of permanent eye damt         Skin:       Burns upon direct contact.         Ingestion:       Severe burns of mouth, throat         Inhalation:       Severe burns of mouth, throat         Inhalation:       Severe abd         Inhalation:       Coughing, wheezing, swelling         cute Health Effects:       May be harmful if inhaled. Material is ex         respiratory tract. May be harmful if swallowe         hronic Health Effects:       May damage the nervous system, kidneys, liver, re	and other ignition sources. No smoking. P220 Ke materials. P260 – Do not breathe dust or mist. P         Wash with soap and water thoroughly after handling using this product. P271 – Use only outdoors or in a the environment. P280 - Wear protective glowe protection. P301+P310 - IF SWALLOWED: doctor/physician. P321 – Specific treatments see thi SDS. P330 – Rinse mouth. P303+P361+P353 – I contaminated clothing. Rinse skin with water [or sbefore reuse. P304+P340 – IF INHALED: Remove breathing. P311 – Call a Poison Center +1-866-; EYES: Rinse cautiously with water for several min easy to do. Continue rinsing. P370+P378 – Ir appropriate for surrounding materials to extinguish. If a well-ventilated place. Keep container tightly closed contents/ container to an approved waste disposal pl ffects of Exposure:         Eyes:       Severe or permanent eye damage. Skin: Burns upon direct contact. Ingestion: Severe burns of mouth, throat, stomacd Inhalation: Severe burns of mouth, throat, stomacd Inhalation: Coughing, wheezing, swelling of throat ingestion: Nausea, vomiting, severe abdominal pa Inhalation: Coughing, wheezing, swelling of throat May be harmful if inhaled. Material is extremely respiratory tract. May be harmful if swallowed. Cause thronic Health Effects: May damage the nervous system, kidney and/or liver arget Organs:	and other ignition sources. No smoking. P220 Keep away from materials. P260 – Do not breathe dust or mist. P261 – Avoic Wash with soap and water thoroughly after handling. P270 – I using this product. P271 – Use only outdoors or in a well-ventilat the environment. P280 - Wear protective gloves/ protective protection. P301+P310 - IF SWALLOWED: Immediately doctor/physician. P321 – Specific treatments see this container I SDS. P330 – Rinse mouth. P303+P361+P353 – IF ON SKIN contaminated clothing. Rinse skin with water [or shower]. P3 before reuse. P304+P340 – IF INHALED: Remove person to fn breathing. P311 – Call a Poison Center +1-866-291-7152/do EYES: Rinse cautiously with water for several minutes. Remove easy to do. Continue rinsing. P370+P378 – In case of fi appropriate for surrounding materials to extinguish. P391 – Colle a well-ventilated place. Keep container tightly closed. P405 – St contents/ container to an approved waste disposal plant.         ffects 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 mu ymptoms of Overexposure:         ymptoms of Overexposure:       Eyes: Redness, burning, irritation, and swelling around ey Skin: Redness, burning, isching, rash, blistering of skin. Inhalation: Coughing, wheezing, swelling of throat, irritation in Inhalation: Coughing, wheezing, swelling of throat, irritation in Inhalation: Severe harmful if inhaled. Material is extremely destructive respiratory tract. May be harmful if swallowed. Causes burns. Ma hronic Health Effects:	and other ignition sources. No smoking. P220 Keep away from clothin materials. P260 – Do not breathe dust or mist. P261 – Avoid breathir Wash with soap and water thoroughly after handling. P270 – Do not ea using this product. P271 – Use only outdoors or in a well-ventilated area. the environment. P280 - Wear protective gloves/ protective clothin protection. P301+P310 - IF SWALLOWED: Immediately call a doctor/physician. P321 – Specific treatments see this container label and SDS. P330 – Rinse mouth. P303+P361+P353 – IF ON SKIN (or hair): contaminated clothing. Rinse skin with water for shower]. P363 – we before reuse. P304+P340 – IF INHALED: Remove person to fresh air a breathing. P311 – Call a Poison Center +1.866-291-7152/doctor. P3 EYES: Rinse cautiously with water for several minutes. Remove conta easy to do. Continue rinsing. P370+P378 – In case of fire: Use appropriate for surrounding materials to extinguish. P391 – Collect spillag a well-ventilated place. Keep container tightly closed. P405 – Store locke contents/ container to an approved waste disposal plant.         ffects of Exposure:       Eyes: Severe or permanent eye damage. Skin: Burns upon direct contact. Indestion: Severe burns of mouth, throat, stomach. Inhalation: Severe burns of mouth, throat, stomach. Inhalation: Coughing, wheezing, swelling of throat, irritation in mucous me skin: Redness, burning, irritation, and swelling around eyes Skin: Redness, burning, isevere abominal pain. Inhalation: Coughing, wheezing, swelling of throat, irritation in mucous re May be harmful if inhaled. Material is extremely destructive to the tis respiratory tract. May be harmful if swallowed. Causes burns. May be harm hronic Health Effects: May damage the nervous system, kidneys, liver, respiratory system.	and other ignition sources. No smoking. P220 Keep away from clothing and oth         materials. P260 – Do not breathe dust or mist. P261 – Avoid breathing fume/vz         Wash with soap and water thoroughly after handling. P270 – Do not eat, drink, c         using this product. P271 – Use only outdoors or in a well-ventilated area. P273 – A         the environment. P280 - Wear protective gloves/ protective clothing/ eye p         protection. P301+P310 - IF SWALLOWED: Immediately call a POISON         doctor/physician. P321 – Specific treatments see this container label and section 4         SDS. P330 – Rinse mouth. P303+P353 – IF ON SKIN (or hair): Take off 1         contaminated clothing. Rinse skin with water [or shower]. P363 – was contam         before reuse. P304+P340 – IF INHALED: Remove person to fresh air and keep or         breathing. P311 – Call a Poison Center +1-866-291-7152/doctor. P305+P351+         EYES: Rinse cautiously with water for several minutes. Remove contact lenses         easy to do. Continue rinsing. P370+P378 – In case of fire: Use fire-exting         appropriate for surrounding materials to extinguish. P391 – Collect spillage. P403+f         a well-ventilated place. Keep container tightly closed. P405 – Store locked up. P50         contents/ container to an approved waste disposal plant.         ffects of Exposure:       Eyes: Severe or permanent eye damage.         Skin: Burns upon direct contact.       Ingestion: Severe burns of mouth, throat, stomach.         Inhalation: Se	and other ignition sources. No smoking. P220 Keep away from clothing and other com         materials. P260 – Do not breathe dust or mist. P261 – Avoid breathing fume/vapors.         Wash with soap and water thoroughly after handling. P270 – Do not eat, drink, or smok         using this product. P271 – Use only outdoors or in a well-ventilated area. P273 – Avoid re         the environment. P280 - Wear protective gloves/ protective clothing/ eye protectio         protection. P301+P310 - IF SWALLOWED: Immediately call a POISON CENT         doctor/physician. P321 – Specific treatments see this container label and section 4 First Ai         SDS. P330 – Rinse mouth. P303+P361+P353 – IF ON SKIN (or hair): Take off immedi         contaminated clothing. Rinse skin with water [or shower]. P363 – was contaminated         before reuse. P304+P340 – IF INHALED: Remove person to fresh air and keep comfort         breathing. P311 – Call a Poison Center +1-866-291-7152/doctor. P305+P351+P338         EYES: Rinse cautiously with water for several minutes. Remove contact lenses if pres         easy to do. Continue rinsing. P370+P378 – In case of fire: Use fire-extinguishing         a well-ventilated place. Keep container tightly closed. P405 – Store locked up. P501 - Dis         contents/ container to an approved waste disposal plant.         Eyes:       Severe permanent eye damage.         Skin:       Burns upon direct contact.         Ingestion:       Severe irritation or burns in respiratory tract and mucous membranes. Possib </td <td>and other ignition sources. No smoking. P220 Keep away from clothing and other combustible         materials. P260 – Do not breathe dust or mist. P261 – Avoid breathing fume/vapors. P264 –         Wash with soap and water thoroughly after handling. P270 – Do not eat, drink, or smoke when         using this product. P271 – Use only outdoors or in a well-ventilated area. P273 – Avoid release to         the environment. P280 - Wear protective gloves/ protective clothing/ eye protection/ face         protection. P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or         doctor/physician. P321 – Specific treatments see this container label and section 4 First Aid of this         SDS. P330 – Rinse mouth. P303+P361+P353 – IF ON SKIN (or hair): Take off immediately all         contaminated clothing. Rinse skin with water [or shower]. P363 – was contaminated clothing         before reuse. P304+P340 – IF INHALED: Remove person to fresh air and keep comfortable for         breathing. P311 – Call a Poison Center +1-866-291-7152/doctor. P305+P351+P338 – IF IN         EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and         easy to do. Continue rinsing. P370+P378 – In case of fire: Use fire-extinguishing media         appropriate for surrounding materials to extinguish. P391 – Collect spillage. P403+P233 – Store in         a well-ventilated place. Keep container tightly closed. P405 – Store locked up. P501 - Dispose of         contents/ container to an approved waste disposal plant.         ffects of Exposure:       Eyes:<td>and other ignition sources. No smoking. P220 Keep away from clothing and other combustible         materials. P260 – Do not breathe dust or mist. P261 – Avoid breathing fume/vapors. P264 –         Wash with scap and water thoroughly after handling. P270 – Do not eat, drink, or smoke when         using this product. P271 – Use only outdoors or in a well-ventilated area. P273 – Avoid release to         the environment. P280 - Wear protective gloves/ protective clothing/ eye protection/ face         protection. P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or         doctor/physician. P321 – Specific treatments see this container label and section 4 First Aid of this         SDS. P330 – Rinse mouth. P303+P361+P353 – IF ON SKIN (or hair): Take off immediately all         contaminated clothing.         contaminated clothing.         perfects         PYES: Rinse cautiously with water for several minutes.         Remove contact lenses if present and         easy to do. Continue rinsing.         P370+P378 – In case of fire: Use fire-extinguishing media         appropriate for surrounding materials to extinguish. P391 – Collect spillage. P403+P233 – Store in         a well-ventilated place. Keep container tightly closed. P405 – Store locked up. P501 - Dispose of         contents/ container to an approved waste disposal plant.         ffects of Exposure:       Eyes: Severe or permanent eye damage.         Skin: Burns upon direct contact.       Ingestion: Severe irritation or</td></td>	and other ignition sources. No smoking. P220 Keep away from clothing and other combustible         materials. P260 – Do not breathe dust or mist. P261 – Avoid breathing fume/vapors. P264 –         Wash with soap and water thoroughly after handling. P270 – Do not eat, drink, or smoke when         using this product. P271 – Use only outdoors or in a well-ventilated area. P273 – Avoid release to         the environment. P280 - Wear protective gloves/ protective clothing/ eye protection/ face         protection. P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or         doctor/physician. P321 – Specific treatments see this container label and section 4 First Aid of this         SDS. P330 – Rinse mouth. P303+P361+P353 – IF ON SKIN (or hair): Take off immediately all         contaminated clothing. Rinse skin with water [or shower]. P363 – was contaminated clothing         before reuse. P304+P340 – IF INHALED: Remove person to fresh air and keep comfortable for         breathing. 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P273 – Avoid release to         the environment. P280 - Wear protective gloves/ protective clothing/ eye protection/ face         protection. P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or         doctor/physician. P321 – Specific treatments see this container label and section 4 First Aid of this         SDS. P330 – Rinse mouth. P303+P361+P353 – IF ON SKIN (or hair): Take off immediately all         contaminated clothing.         contaminated clothing.         perfects         PYES: Rinse cautiously with water for several minutes.         Remove contact lenses if present and         easy to do. Continue rinsing.         P370+P378 – In case of fire: Use fire-extinguishing media         appropriate for surrounding materials to extinguish. P391 – Collect spillage. P403+P233 – Store in         a well-ventilated place. Keep container tightly closed. P405 – Store locked up. 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P303+P361+P353 – IF ON SKIN (or hair): Take off immediately all         contaminated clothing.         contaminated clothing.         perfects         PYES: Rinse cautiously with water for several minutes.         Remove contact lenses if present and         easy to do. Continue rinsing.         P370+P378 – In case of fire: Use fire-extinguishing media         appropriate for surrounding materials to extinguish. P391 – Collect spillage. P403+P233 – Store in         a well-ventilated place. Keep container tightly closed. P405 – Store locked up. P501 - Dispose of         contents/ container to an approved waste disposal plant.         ffects of Exposure:       Eyes: Severe or permanent eye damage.         Skin: Burns upon direct contact.       Ingestion: Severe irritation or



Page 2 of 6 BC-005

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Prepa	ared to OSHA, ACC, ANSI,	IOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.0 SDS Revision Date: 6/24/2014				
		4. FIRST AID MEASURES				
4.1	First Aid:	Ingestion:         DO NOT INDUCE VOMITING. Contact Poison Control Center +1 (866) 291-7152 or the nearest Poiso 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.           Eyes:         If product gets in the eyes, flush eyes thoroughly with copious amounts of water for at least 15 minutes 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.           Skin:         Remove contaminated clothing and wash affected areas with soap and water. If discomfort persist and/or the skin reaction worsens, contact a physician immediately. Do not wear contaminated clothing unt after it has been properly cleaned.           Inhalation:         Remove victim to fresh air at once. Under extreme conditions, if breathing stops, perform artificial respiration.				
4.2	Medical Conditions	Pre-existing dermatitis, other skin conditions, and disorders of the HEALTH 3				
	Aggravated by Exposure:	target organs (eyes, skin, and respiratory system) or impaired kidney				
		function may be more susceptible to the effects of this substance. PHYSICAL HAZARDS 2				
		PROTECTIVE EQUIPMENT H				
		EYES SKIN LUNGS				
		5. FIREFIGHTING MEASURES				
5.1	Fire & Explosion Hazards:	Non-flammable. May react with metals to release hydrogen gas, which can form explosive mixtures with air. May intensity fire; oxidizer.				
5.2	Extinguishing Methods:	Use fire-extinguishing media appropriate for surrounding materials.				
		clothing. Fight fires as for surrounding materials. Hazardous decomposition products may be released. Thermal degradation may produce oxides of carbon, phosphorous, selenium and/or nitrogen, hydrocarbons and/or derivatives. Fire should be fought from a safe distance. 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. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway.				
	1	T				
		6. ACCIDENTAL RELEASE MEASURES				
6.1	Spills:	Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective         Equipment (PPE). Use safety glasses or safety goggles and face shield; use gloves and other protective clothing (e.g. apron, boots, etc.) to prevent skin contact.         Small Spills: Wear appropriate protective equipment including gloves and protective eyewear. Use a non-combustible inert material such as vermiculite or sand to soak up the product and place into a container for later disposal.         Large Spills: Keep incompatible materials (e.g., organics such as oil) away from spill. Stay upwind and away from spil 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 warran Recover as much free liquid as possible and collect in acid-resistant container. Use absorbent to pick up residue. Avoid discharging liquid directly into a sewer or surface waters.				
		7. HANDLING & STORAGE INFORMATION				
7.1	Work & Hygiene Practices:	Avoid breathing mists or spray. Avoid eye and skin contact. Wear protective equipment when handling product. Keep o of the reach of children. Do not eat, drink or smoke when handling this product. Wash thoroughly after handling. Do n expose to heat and flame. Use only in ventilated areas. Keep out of the reach of children. Immediately clean-up ar				
		decontaminate any spills or residues.         Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans) away from heat and direct sunlight. Store in acid-resistant containers. Keep containers covered when not in use. Avoid temperatures above 40°C				
7.2	Storage & Handling:					



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Reproductive Toxicity:

Mutagenicity:

Embryotoxicity:

Teratogenicity: Reproductive Toxicity:

Irritancy of Product:

Biological Exposure Indices:

Physician Recommendations:

See Section 2.3

Treat symptomatically.

NE

## SAFETY DATA SHEET

Page 3 of 6 BC-005

Prepa	Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.0 SDS Revision Date: 6/24/2014					
	8. EXPOSURE CONTROLS & PERSONAL PROTECTION					
8.1	Ventilation & Engineering Controls:	Use local or general exhaust ventilation to effectively remove and prevent buildup of vapors or mist generated from the handling of this product. Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station).				
8.2	Respiratory Protection:	In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR §1910.134, applicable U.S. State regulations, or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC member States, or Australia.				
8.3	Eye Protection:	Safety glasses with side shields must be used when handling or using this product. A protective face shield is also recommended.				
8.4	Hand Protection:	Wear protective, chemical-resistant gloves (e.g., neoprene) when using or handling this product.				
8.5	Body Protection:	A chemical resistant apron and/or protective clothing are recommended when handling or using this product.				
		9. PHYSICAL & CHEMICAL PROPERTIES				
9.1	Appearance:	Clear liquid				
9.2	Odor:	Odorless				
9.3	Odor Threshold:	0.29 to 0.98 ppm (Nitric Acid)				
9.4	pH: Malting Daint/Excering Daint	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 Limits:	NA				
9.9	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 ether = 1.0)				
10.1	Stability:	10. STABILITY & REACTIVITY         Stable at normal temperatures.				
10.2	Hazardous Decomposition Products:	Reaction with organics and strong reducing agents can produce organoselenides and hydrogen selenide. Thermal decomposition may produce selenium, nitrogen, phosphoric and copper oxides.				
10.3	Hazardous Polymerization:	Will not occur.				
10.4	Conditions to Avoid:	Excessive heat, shock, friction.				
10.5	Incompatible Substances:	Cyanides, water-reactive substances, strong reducing agents, chlorinated cleaners or sanitizers, combustible organic materials, most metals.				
		11. TOXICOLOGICAL INFORMATION				
11.1	Routes of Entry:	Inhalation: YES Absorption: YES Ingestion: YES				
11.2	Toxicity Data:	<u>Cupric Nitrate</u> : LD <sub>50</sub> (oral, rat) = 794 mg/kg. <u>Phosphoric Acid</u> : LD <sub>50</sub> (oral, rat) = 1530 mg/kg.				
11.3	Acute Toxicity:	See Section 2.4				
11.4	Chronic Toxicity:	See Section 2.5				
11.5	Suspected Carcinogen:	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 cause reproductive 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.



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Page 4 of 6 **BC-005** 

SAFETY DATA SHEET Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.0 SDS Revision Date: 6/24/2014 **12. ECOLOGICAL INFORMATION** Environmental Stability: No data available. Effects on Plants & Animals No data available 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 appropriate disposal method for the ingredients listed in Section 2. Any disposal practice must be in compliance with local, state, and federal laws and regulations. Contact the appropriate agency for specific information. Treatment, transport, storage and 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) **14. TRANSPORTATION INFORMATION** 49 CFR (GND): UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, NITRIC ACID), 8, II, LTD QTY (IP VOL  $\leq$  1.0 L) CONSUMER COMMODITY; EXCEPTED QUANTITY IATA (AIR): UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, NITRIC ACID), 8, II, LTD QTY (IP VOL  $\leq$  0.1 L) IMDG (OCN): UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, NITRIC ACID), 8, II, LTD QTY (IP VOL  $\leq 1.0$  L) EXCEPTED QUANTITY TDGR (Canadian GND): UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, NITRIC ACID), 8, II, LTD QTY (IP VOL ≤ 1.0 L) ADR/RID (EU): UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, NITRIC ACID), 8, II, LTD QTY (IP VOL  $\leq 1.0$  L) EXCEPTED QUANTITY SCT (MEXICO): UN3264, LIQUIDOS, CORROSIVOS, ACIDO, INORGANICO, N.E.P. (ACIDO SELENIO, ACIDO NITRICO), 8, II, CANTIDAD LIMITADA (IP VOL  $\leq 1.0$  L) ADGR (AUS): UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, NITRIC ACID), 8, II, LTD QTY (IP VOL  $\leq 1.0$  L) EXCEPTED QUANTITY \* This product may also be shipped as an Excepted Quantity (Inner Package Volume ≤ 30 mL, Total Quantity ≤ 500 mL per Outer Package) HSR002634 15. REGULATORY INFORMATION SARA Reporting This product contains Nitric Acid, Cupric Sulfate, Cupric Nitrate and Selenious Acid, substances subject to SARA Title Requirements III, section 313 reporting requirements. SARA Threshold Planning 302 TPQ (Nitric Acid): 1,000 lbs (454 kg) Quantity 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) (RQ) Other Federal Requirements: NA Other Canadian Regulations: 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 Serious Toxic Effects State Regulatory Information: 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).



Page 5 of 6 **BC-005** 

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

SDS Revision: 1.0

SDS Revision Date: 6/24/2014

		15. REGULATORY INFORMATION – cont'd			
15.8	Other Requirements:	The primary components of this product are listed in Annex I of EU Directive 67/548/EEC.         Selenious Acid: Corrosive (C), Toxic (T).         Risk Phrases (R): R35 – Causes severe burns.         Safety Phrases (S): S1/2-7/9-24/25-26-28-46 - Keep locked up and out of the reach of children.         Keep container tightly closed and in a well-ventilated place. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash with plenty of soap and warm water. If swallowed, seek medical advice immediately and show this container or label.         Nitric Acid: Irritaant (Xi).         Risk Phrases (R): 36/38 – Irritating to eyes and skin.         Safety Phrases (S):1/2-23-26-36-45 – Keep locked up and out of reach of children. Do not breathe fumes/vapors. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing. In case of accident or if you feel unwell seek medical advice immediately (show label where possible).			
		16. OTHER INFORMATION SW Revised 01.12.2020			
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. May be fatal if swallowed or harmful if inhaled. Causes severe burns to eyes and skin. OXIDIZER. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from clothing and other combustible materials. 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. 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'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:	Birchwood Casey 7887 Fuller Road, Suite #100 Eden Prairie, MN 55344 USA Tel: +1 (952) 388-6701 Fax: +1 (952) 388/6702 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			



Page 6 of 6 BC-005

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

SDS Revision: 1.0

SDS Revision Date: 6/24/2014

### **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
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

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

#### PERSONAL PROTECTION RATINGS:

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F			X Consult your supervisor or SOPs for special handling directions.
Sa	ifety Glasses	Splash Goggles	Face Shield & Protective Eyewear
	Boots	Synthetic Apron	Protective Clothing & Full Suit
Full F	Face Respirator	Dust & Vapor Half- Mask Respirator	Full Face Respirator

#### OTHER STANDARD ABBREVIATIONS:

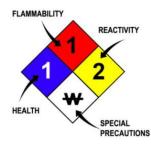
NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus
Flam.	Flammable
Liq.	Liquid
Sol.	Solid
Tox.	Toxicity
Irrit.	Irritation
Sens.	Senitization
Ox.	Oxidizing
Corr.	Corrosion
Repr.	Reproductive (Harm)
Asp.	Aspiration
Inh.	Inhalation
Dam.	Damage
STOT SE	Specific Target Organ Toxicity – Single Exposure
STOT RE	Specific Target Organ Toxicity – Repeated Exposure

#### NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:			
Autoignition	n 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
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



#### TOXICOLOGICAL INFORMATION:

	Letter Deer (cellide 0 liquide) which tills 500/ of the supervised enimeter
LD <sub>50</sub>	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
	S
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>lo</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, TC <sub>o</sub> , LC <sub>lo</sub> , & LC <sub>o</sub>	
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TLm	Median threshold limit
log K <sub>ow</sub> or log K <sub>oc</sub>	Coefficient of Oil/Water Distribution

#### **REGULATORY INFORMATION:**

WHMIS	Canadian Workplace Hazardous Material Information System	
DOT	U.S. Department of Transportation	
тс	Transport Canada	
EPA	U.S. Environmental Protection Agency	
DSL	Canadian Domestic Substance List	
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)	

#### WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

$\bigcirc$	۲	٨		1	۲		(R)
Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

#### EC (67/548/EEC) INFORMATION:

T.		N	¥2	8	<b>X</b>	×	×
С	E	F	N	0	т	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

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

			$\Diamond$			<b>(!</b> )		×
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environ- ment