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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.0 SDS Revision Date: 6/24/2014

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l.1	Product Name:	PREST	O® GUN B	<u>LUE PEN</u>				5	Steve's	Wholes	ale Ltd		5 – 7 /	408 The Esplanad
.2	Chemical Name:	Acid Mixture	id Mixture Island Bay Wellington 6023 team@steveswholesale.nz											
.3	Synonyms:	13201	11 Emergency Contact; Steve Collings											
.4	Trade Names:	Presto® Gun			0800 303 303									
.5	Product Use:	Metal Finish							274 90					
.6	Distributor's Name:	Birchwood C	/					F	oison	Control	0800 P	OISON	1 (0800	764 766)
.7	Distributor's Address:		Road, Suite #10	,	,									
.8	Emergency Phone:  Business Phone / Fax:		+1 (800) 424	9300 / +1 (7	03) 527-3	<b>8887</b> o	r Poi	son C	ontro	l Cen	ter +1	(866	5) 291	-7152
.9	Busiliess Filotie / Fax.	+1 (952) 388	5-0717											
			2. HA	ZARDS	DENT	FIC	ATIC	N						
2.1	Hazard Identification:	classification DANGER! ORGANS. CAUSES SI Hazard Stat irritation. H liver, spleer system. H4 with long las Precautiona outdoors or P270 – Do protection/ p (+1-866-291 soap and w breathing. Remove co irritation per unwell. P3 If skin irritat and wash it ventilated p	at is classified an criteria of [NOI TOXIC IF INI CAUSES SERIO IN INI CAUSE SERIO INI	HSC: 1088 (20) HALED. TOX DUS EYE DAN N. D1 — Toxic if so serious eye da forming organ aquatic life wi (P):P261 — // d area. P264 r smoke when s. P301+P310 P330 — Rinse D — IF INHALE is present and call advice/atte externent see serious exter	04)] and A (IC IF S) IAGE  wallowed. Image. H3 s, respira th long las Avoid bre — Wash v using this I — IF SWA mouth. F D: Remov YES: Rins easy to d ection 4 Fi e/attention ease to th closed. I	H331 H331 H331 H331 H331 H331 H331 H331	- Toxi May castem, fects. fume/ap and act. P /ED: 1352 - on to f tiously ntinue or ins 2+P36 onmer	c if inhause die eyes, H410 mist/val water 280 – mmed IF ON resh ai with virusine dical attruction 4 Take locke	aled. aled. amage skin, Ver apor. thoro Wear iately SKIN r and water g. F advice e off cc	H315 e to organd ce y toxic  P271 ughly a eye procall a F Wash keep c for seven a seven at the contamination of th	— Caugans (entral to aquestion of the color	GE T  sees sk kidney nervoi uatic li see on andlin on/ fac Cente ellenty able - I f ey PO313 clothin a a we	in /s, us iffe ly ge er of or s. /e e - ng III-	
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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 6/24/2014 3. COMPOSITION & INGREDIENT INFORMATION- cont'd EXPOSURE LIMITS IN AIR (mg/m³) ACGIH ppm ppm ppm ES-TLV CHEMICAL NAME(S) CAS No. RTECS No. EINECS No. STEL TWA STEL PEAK TI V STEL IDLH OTHER 7664-38-2 TB6300000 231-633-2 5-10 3 NF NA NA 1000 (1) (3) PHOSPHORIC ACID Skin Corr. 1B; H314 4. FIRST AID MEASURES DO NOT INDUCE VOMITING. Contact SafetyCall +1 (866) 291-7152 or the nearest Poison Control First Aid: Ingestion: Center or local emergency telephone number for assistance and instructions. Seek immediate medical attention. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration. If product gets in the eyes, flush eyes thoroughly with copious amounts of water for at least 15 minutes, Eyes: holding eyelid(s) open to ensure complete flushing. If the eyes or face become swollen during or following use, consult a physician or emergency room immediately. Remove contaminated clothing and wash affected areas with soap and water. If discomfort persists Skin: and/or the skin reaction worsens, contact a physician immediately. Do not wear contaminated clothing until after it has been properly cleaned. Remove victim to fresh air at once. Under extreme conditions, if breathing stops, perform artificial Inhalation: respiration. Seek immediate medical attention. Medical Conditions Aggravated 4.2 Pre-existing dermatitis, other skin conditions, and disorders of the HEALTH 3 by Exposure: target organs (eyes, skin, respiratory system, liver, blood-forming **FLAMMABILITY** 0 organs) or impaired kidney function may be more susceptible to the PHYSICAL HAZARDS 2 effects of this substance. PROTECTIVE EQUIPMENT Н **EYES** SKIN LUNGS 5. FIREFIGHTING MEASURES Fire & Explosion Hazards Non-flammable. May react with metals to release hydrogen gas, which can form explosive mixtures with air. May intensity fire; oxidizer. Extinguishing Methods: 52 Use fire-extinguishing media appropriate for surrounding materials. 5.3 Firefighting Procedures: As with any fire, firefighters should wear appropriate protective equipment including a MSHA/NIOSH approved or equivalent self-contained breathing apparatus (SCBA) and protective 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. 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 spill or release. Isolate immediate hazard area and keep unauthorized personnel out of area. Stop spill or release if it can be done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warrant. 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 out of the reach of children. Do not eat, drink or smoke when handling this product. Wash thoroughly after handling. Do not expose to heat and flame. Use only in ventilated areas. Keep out of the reach of children. Immediately clean-up and decontaminate any spills or residues. 7.2 Storage & Handling: Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans) away from heat and direct sunlight. Store in acid-resistant containers. Keep containers covered when not in use. Avoid temperatures above 40°C (120°F). Keep away from incompatible substances (see Section 10). Protect containers from physical damage. Special Precautions Empty containers may retain hazardous product residues. 7.3



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See Section 2.3

Treat symptomatically.

NE

11.7

11.8

11.9

Irritancy of Product:

Biological Exposure Indices:

Physician Recommendations:



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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 6/24/2014 12. ECOLOGICAL INFORMATION 12.1 Environmental Stability: No data available. 12 2 Effects on Plants & Animals: No data available 12.3 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 13.1 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. 13.2 Special Considerations: U.S. EPA Hazardous Waste - D002, D010, Characteristic - (Characteristic : Corrosivity Toxicity), 14. TRANSPORTATION INFORMATION 49 CFR (GND): CONSUMER COMMODITY, ORM-D (IP VOL ≤ 1.0 L) - until 12/31/2020 UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S., (Selenious Acid, Phosphoric Acid), 8, II, LTD QTY (IP VOL ≤ 1.0 L) 14.2 IATA (AIR): UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S., (Selenious Acid, Phosphoric Acid), 8, II, LTD QTY (IP VOL ≤ 0.1 L) 14.3 IMDG (OCN): UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (Selenious Acid, Phosphoric Acid), 8, II, LTD QTY (IP VOL ≤ 1,0 L) UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (Selenious Acid, Phosphoric Acid), 8, II TDGR (Canadian GND): UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. 14.4 (Selenious Acid, Phosphoric Acid), 8, III, LTD QTY (IP VOL ≤ 1.0 L) 14.5 ADR/RID (EU): UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S., (Selenious Acid, Phosphoric Acid), 8, II, LTD QTY (IP VOL ≤ 1.0 L) SCT (MEXICO): UN3264, LIQUIDOS, CORROSIVOS, ACIDO, INORGANICO, N.E.P. (Ácido selenioso, Ácido 14.6 phosphoric), 8, III, CANTIDAD LIMITADA (IP VOL ≤ 1.0 L) ADGR (AUS): 14.7 UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S., (Selenious Acid, Phosphoric Acid), 8, II, LTD QTY (IP VOL ≤ 1.0 L) \* This product may also be shipped as an Excepted Quantity (Inner Package Volume ≤ 30 mL, Total Quantity ≤ 500 mL per Outer Package) HSR002675 15. REGULATORY INFORMATION SARA Reporting 15.1 This product contains Selenious Acid (Selenium compounds), Phosphoric acid and Cupric sulfate, substances subject to Requirements: SARA Title III, section 313 reporting requirements. This material contains Copper (II) sulfate (listed as Cupric Sulfate) which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373. SARA Threshold Planning 15.2 Selenium compounds: 454 kg (1,000 lbs) lower threshold; 4,540 kg (10,000 lbs) upper threshold. Quantity: TSCA Inventory Status: 15.3 The components of this product are listed on the TSCA Inventory. CERCLA Reportable Quantity Selenious Acid (Selenium compounds): 10 lbs (4.54 kg); Cupric Sulfate 4.54 kg (10 lbs); Phosphoric Acid: 2,270 kg 15.4 (5,000 lbs) 15.5 Other Federal Requirements: A Selinium compound is listed as a hazardous air pollutant (HAP). This material does not contain any Class 1 or Class 2 Ozone depletors. A selenium compound is listed as a Toxic Pollutant under the Clean Water Act (CWA). None of the chemicals in this product are listed as Hazardous Substances or Priority Pollutants under the CWA 15.6 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). Selenious Acid is found on the following state criteria lists: Florida Toxic Substances List (FL), Massachusetts Hazardous 15.7 State Regulatory Information: Substances List (MA), Minnesota Hazardous Substances List (MN), Pennsylvania Right-to-Know List (PA), and Wisconsin Hazardous Substances List (WI). Phosphoric Acid is found on the following state criteria lists: FL, MA, MN, and PA. No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA65), 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)



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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: Environmental danger (N), Toxic (T).  Risk Phrases (R): 20/21-33-50/53 — Harmful by inhalation and in contact with skin. Danger of cumulative effects. Very toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment. Safety Phrases (S): S1/2-20/21-28-45-60-61 - Keep locked up and out of the reach of children. When using do not eat drink or smoke. After contact with skin, was immediately with plenty of soap and water. In case of accident or if you fell unwell seek medical advice immediately (show the label where possible). This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Refer to special instructions/safety data sheet  Cupric sulfate: Harmful (XN); Environmental danger (N).  Risk Phrases (R): 22-36/8-50/53 — Harmful if swallowed. Irritating to eyes and skin. Very toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment.  Safety Phrases: (S) 22-60-61 — Do not breathe dust. This material and/or its container must be disposed of as a hazardous waste. Avoid release to the environment. Refer to special instructions/Safety data sheets.  Phosphoric acid: Irritant (Xi).  Risk Phrases (R): 36/38 — Irritating to eyes and skin. Safety Phrases (S):1/2-26-45 — Keep locked up and out of reach of children. In case of contact with eyes, rinse immediately with copious amounts of water. In case of accident or if you feel unwell seek medical advice immediately
		16 OTHER INFORMATION SW Revised 01.12.2020
16.1	Other Information	16. OTHER INFORMATION
16.1	Other Information:	DANGER! Toxic if inhaled. Toxic if swallowed. May cause damage to organs. Causes serious eye damage Causes skin irritation May be fatal if swallowed or harmful if inhaled. Causes severe burns to eyes and skin. Combustible materials that contact this product may ignite more easily and burn more intensely. Avoid shock, heat, and friction.
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



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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:**

E	XPOSURE	LIMITS IN AIR:
	ACGIH	American Conference on Governmental Industrial Hygienists
	TLV	Threshold Limit Value

### 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

**OSHA** U.S. Occupational Safety and Health Administration

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

CAS No. | Chemical Abstract Service Number

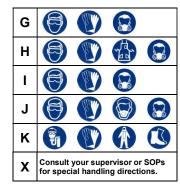
PEL Permissible Exposure Limit

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

HEALTH **FLAMMABILITY PHYSICAL HAZARDS PERSONAL PROTECTION** 

#### PERSONAL PROTECTION RATINGS:

Α		
В		
С		
D		
Е		
F		

















**Full Face Respirator** 

**Dust & Vapor Half-**Mask Respirator

**Full Face** Respirator

Airline Hood/Mask or SCBA

### OTHER STANDARD ABBREVIATIONS:

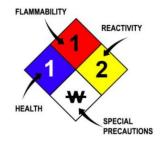
NA	Not Available
NR.	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus
Flam.	Flammable
Liq.	Liquid
Sol.	Solid
Tox.	Toxicity
Irrit.	Irritation
Sens.	Senitization
Ox.	Oxidizing
Corr.	Corrosion
Repr.	Reproductive (Harm)
Asp.	Aspiration
Inh.	Inhalation
Dam.	Damage
STOT SE	Specific Target Organ Toxicity – Single Exposure
STOT RE	Specific Target Organ Toxicity – Repeated Exposure
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#### 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
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
₩	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



#### TOXICOLOGICAL INFORMATION:

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>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, TC <sub>o</sub> , LC <sub>io</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
TL <sub>m</sub>	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	
TC	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	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:

0	<b>(</b>	<b>(2)</b>		$\odot$	(4)		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:

		M	¥		<b>Q</b>	X	X
С	E	F	N	0	Т	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

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

			$\Diamond$			$\diamondsuit$		*
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environ- ment