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BC-006 Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.0 SDS Revision Date: 6/24/2014 1. PRODUCT & COMPANY IDENTIFICATION NZ DISTRIBUTOR 1.1 Product Name: PRESTO MAG GUN BLUE Steve's Wholesale Ltd. Units 5 – 7 / 408 The Esplanade 12 Chemical Name: Acid Mixture 1.3 Synonyms 13525 team@steveswholesale.nz 1.4 Trade Names: Presto Mag Gun Blue **Emergency Contact: Steve Collings** 0800 303 303 1.5 Product Use: Metal Finishing 0274 905 708 Birchwood Casey 1.6 Distributor's Name: Poison Control 0800 POISON (0800 764 766) 1.7 Distributor's Address: 7887 Fuller Road, Suite #100, Eden Prairie, MN 55344 USA 1.8 Emergency Phone: ChemTrec +1 (800) 424-9300 / +1 (703) 527-3887 or Poison Control Center +1 (866) 291-7152 1.9 Business Phone / Fax: +1 (952) 388-6717 2. HAZARDS IDENTIFICATION 2.1 Hazard Identification: This product is classified as a hazardous substance and as dangerous goods according to the classification criteria of [NOHSC: 1088 (2004)] and ADG Code (Australia). DANGER! TOXIC IF SWALLOWED. TOXIC IF INHALED. HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS. Hazard Statements (H): H301 - Toxic if swallowed. H331 - Toxic if inhaled. H412 - Harmful to aquatic life with long lasting effects. Precautionary Statements (P): 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. 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. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P311 - Call a Poison Center +1-866-291-7152/doctor. 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. 2.2 Effects of Exposure: Severe or permanent eye damage. Eyes: Burns upon direct contact. Skin: Ingestion: Severe burns of mouth, throat, stomach. Inhalation: Severe irritation or burns in respiratory tract and mucous membranes. Possible lung damage. 2.3 Symptoms of Overexposure: Redness, burning, irritation, and swelling around eyes Eyes: Skin: Redness, burning, itching, rash, blistering of skin. Ingestion: Nausea, vomiting, severe abdominal pain. Inhalation: Coughing, wheezing, swelling of throat, irritation in mucous membranes, difficulty breathing. 2.4 Acute Health Effects: May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. May be harmful if swallowed. Causes burns. May be harmful if absorbed through skin. Chronic Health Effects: 2.5 May damage the nervous system, kidney and/or liver. 2.6 Target Organs: Eyes, skin, nervous system, kidneys, liver, respiratory system. 3. COMPOSITION & INGREDIENT INFORMATION

| | | | | EXPOSU | | | SURE LI | E LIMITS IN AIR (mg/m³) | | | | | |
|------------------|--|-----------|------------|--------|-------|------|------------|-------------------------|-------------|-------|------|------|-------|
| | | | | | AC | GIH | | NOHSC | | | OSHA | | |
| | | | | | pp | m | | ppm | | | ppm | | |
| CHEMICAL NAME(S) | CAS No. | RTECS No. | EINECS No. | % | TLV | STEL | ES- TWA | ES- STEL | ES- PEAK | TLV | STEL | IDLH | OTHER |
| | 7732-18-5 | ZC0110000 | 231-791-2 | 60-100 | NE | NE | NF | NF | NF | NE | NE | NE | |
| WATER | | | | | | | | | | | | | |
| SELENIOUS ACID | 7783-00-8 | VS7175000 | 231-974-7 | 1-3 | (0.2) | NA | (0.2) | NF | NF | (0.2) | NA | NA | |
| SELENIOUS ACID | Acute Tox. 3; Acute Tox. 3; Aquatic Acute 1; Aquatic Chronic; H301, H331, H400, H410 | | | | | | | | | | | | |
| CUPRIC PHOSPHATE | 7798-23-4 | GI7875000 | 232-254-5 | 1-3 | 1 | NA | NF | NF | NF | 1 | NA | NA | |
| CUPRIC PROSPRATE | Aquatic Chronic 3; H412 | | | | | | | | | | | | |
| | • | | | | | | | | | | | | |



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4. FIRST AID MEASURES Ingestion: DO NOT INDUCE VOMITING. Contact Poison Control Center +1 (866) 291-7152 or the nearest Poison 4 1 First Aid: 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 If product gets in the eyes, flush eyes thoroughly with copious amounts of water for at least 15 minutes, Eyes: holding evelid(s) open to ensure complete flushing. If the eves 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 persists and/or the skin reaction worsens, contact a physician immediately. Do not wear contaminated clothing until after it has been properly cleaned. Inhalation: Remove victim to fresh air at once. Under extreme conditions, if breathing stops, perform artificial respiration. Seek immediate medical attention. 4.2 Medical Conditions Aggravated by Pre-existing dermatitis, other skin conditions, and disorders of **HEALTH** 3 Exposure: the target organs (eyes, skin, and respiratory system) or **FLAMMABILITY** 0 impaired kidney function may be more susceptible to the effects **PHYSICAL HAZARDS** 1 of this substance. PROTECTIVE EQUIPMENT В **EYES** LUNGS SKIN 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. 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 fireexposed 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 Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective 6.1 Spills 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 noncombustible, 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: 7.3 Empty containers may retain hazardous product residues.



11.8

11.9

Physician Recommendations

NE

Treat symptomatically.

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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: EC₅₀ (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 13.2 Special Considerations: U.S. EPA Hazardous Waste - Characteristic - Corrosive (D002), Characteristic - Toxic (D010) 14. TRANSPORTATION INFORMATION 14.1 49 CFR (GND): UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, PHOSPHORIC ACIDS), 8, II, LTD QTY (IP VOL ≤ 1.0 L) CONSUMER COMMODITY: EXCEPTED QUANTITY 14.2 IATA (AIR): UN3264. CORROSIVE LIQUIDS. ACIDIC. INORGANIC. N.O.S. (SELENIOUS ACID. PHOSPHORIC ACIDS), 8,II, LTD QTY (IP VOL ≤ 0.1 L) IMDG (OCN): UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, 14.3 PHOSPHORIC ACIDS), 8, II, LTD QTY (IP VOL ≤ 1.0 L) TDGR (Canadian GND): 14.4 UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, PHOSPHORIC ACIDS), 8, II, LTD QTY (IP VOL ≤ 1.0 L) ADR/RID (EU): UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, 14.5 PHOSPHORIC ACIDS), 8, II, LTD QTY (IP VOL ≤ 1.0 L) **EXCEPTED QUANTITY** 14.6 SCT (MEXICO): UN3264, LIQUIDOS, CORROSIVOS, ACIDO, INORGANICO, N.E.P. (ACIDO SELENIO, ACIDO NITRICO), 8, II, CANTIDAD LIMITADA (IP VOL ≤ 1.0 L) 14.7 ADGR (AUS): UN3264, CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S. (SELENIOUS ACID, PHOSPHORIC ACIDS), 8, II, LTD QTY (IP VOL ≤ 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) 15. REGULATORY INFORMATION 15.1 SARA Reporting Requirements: This product contains Cupric Sulfate, and Selenious Acid, substances subject to SARA Title III, section 313 reporting requirements SARA Threshold Planning Quantity: 15.2 TSCA Inventory Status: 15.3 The components of this product are listed on the TSCA Inventory. CERCLA Reportable Quantity (RQ): 15 4 Selenious Acid: 10 lbs (4.54 kg); Cupric Sulfate: 10 lbs (4.54 kg) Other Federal Requirements: 15.5 NA Other Canadian Regulations: 15.6 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). 15.7 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). 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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| | | 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. | | | |
| | | 16. OTHER INFORMATION SW Revised 01.12.2020 | | | |
| 16.1 | Other Information: | DANGER! Toxic if swallowed. Toxic if inhaled. Harmful to aquatic life with long lasting effect fatal if swallowed or harmful if inhaled. Keep away from clothing and other combustible materials. Avoifume/vapors. Wash with soap and water thoroughly after handling. Do not eat, drink, or smoke when product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. KEEP Life AND OUT OF REACH OF CHILDREN. | id breathing n using this | | |
| 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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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 | EXPOSURE LIMITS IN AIR: | | | |
| ACGIH | American Conference on Governmental Industrial Hygienists | | | |

| 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

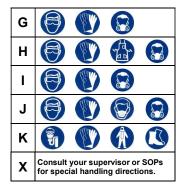
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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

HEALTH **FLAMMABILITY** PHYSICAL HAZARDS **PERSONAL PROTECTION**

PERSONAL PROTECTION RATINGS:

| | The same of the sa | |
|--|--|--|
| | | |













Face Shield &



Dust & Vapor Half-Mask Respirator

Full Face Respirator

Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

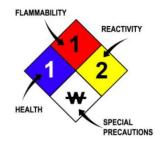
| NA | Not Available |
|---------|--|
| NR | No Results |
| NE | Not Established |
| ND | Not Determined |
| ML | Maximum Limit |
| SCBA | Self-Contained Breathing Apparatus |
| Flam. | Flammable |
| Liq. | Liquid |
| Sol. | Solid |
| Tox. | Toxicity |
| Irrit. | Irritation |
| Sens. | Senitization |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

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

| FLAMMABILIT | 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 ₅₀ | Lethal Dose (solids & liquids) which kills 50% of the exposed animals |
|--|---|
| | S |
| LC ₅₀ | Lethal concentration (gases) which kills 50% of the exposed animal |
| ppm | Concentration expressed in parts of material per million parts |
| TD _{Io} | Lowest dose to cause a symptom |
| TCLo | Lowest concentration to cause a symptom |
| TD _{io} , LD _{io} , & LD _o or | Lowest dose (or concentration) to cause lethal or toxic effects |
| TC, TC _o , LC _{io} , & LC _o | |
| IARC | International Agency for Research on Cancer |
| NTP | National Toxicology Program |
| RTECS | Registry of Toxic Effects of Chemical Substances |
| BCF | Bioconcentration Factor |
| TL _m | Median threshold limit |
| log K _{ow} or log K _{oc} | Coefficient of Oil/Water Distribution |

REGULATORY INFORMATION:

| 14/114/0 | | |
|----------|--|--|
| 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 | 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 | (| (2) | | \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 | ¥ | | Q | X | X |
|-----------|-----------|-----------|---------|-----------|----------|----------|---------|
| С | Е | F | N | 0 | Т | Xi | Xn |
| Corrosive | Explosive | Flammable | Harmful | Oxidizing | Toxic | Irritant | Harmful |

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

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