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SAFETY DATA SHEET **BC-018** Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 2.1 SDS Revision Date: 10/25/2018 1. PRODUCT & COMPANY IDENTIFICATION
NZ DISTRIBUTOR 11 Product Name: NO. 77 MUZZLE MAGIC™ CLEANER Steve's Wholesale Ltd. Units 5 - 7 / 408 The Esplanade 1.2 Chemical Name: **Aqueous Solution** Island Bay Wellington 6023 33745 1.3 Synonyms: team@steveswholesale.nz No. 77 Muzzle Magic Cleaner **Emergency Contact: Steve Collings** 1.4 Trade Names: Metal Polish/Cleanser 0800 303 303 1.5 Product Use 0274 905 708 1.6 Distributor's Name: Birchwood Casey, LLC Poison Control 0800 POISON (0800 764 766) 1.7 Distributor's Address: 3260 Winpark Drive, New Hope, MN., 55427 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 Hazard Identification: 2.1 This product is classified as a hazardous substance but not as dangerous goods according to the classification criteria of [NOHSC: 1088 (2004)] and ADG Code (Australia). WARNING! MAY BE HARMFUL IN CONTACT WITH SKIN. CAUSES SKIN IRRITATION. CAUSES EYE IRRITATION. Classification: Acute Tox. Dermal 5; Skin Irrit. 2; Eye Irrit 22 Label Elements: Hazard Statements (H): H313 - May be harmful in contact with skin. H315 - Causes skin irritation. H320 – Causes eye irritation. Precautionary Statements (P): P261 - Avoid breathing mist/sprays. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves/eye protection. P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P321 - Specific treatment - see section 4 of this Safety Data Sheet. P363 Wash contaminated clothing before reuse. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P501 - Dispose of contents/container to licenses treatment, storage and disposal facility (TSDF). Other Warnings: In the event of an exposure or medical inquiry involving this product, please contact a physician or local poison control center, who may seek advice from the U.S. manufacturer, and show them this SDS. KEEP OUT OF REACH OF CHILDREN. 3. COMPOSITION & INGREDIENT INFORMATION EXPOSURE LIMITS IN AIR (mg/m³) ACGIH NOHSC ppm ppm ppm ES-ES-CHEMICAL NAME(S) CAS No RTECS No. **EINECS No.** TLV STEL TWA STEL PEAK PEL STEL **IDLH** OTHER 7732-18-5 231-791-2 60-100 NE NF NF NE NF NE NE NE WATER 8051-30-7 ΙNΑ 232-483-0 1-5 NA NA NF NF NF NA NA NA MODIFIED ALKANOLAMIDE (6) NF NF NF VZ2275000 NA (1) NIOSH 1303-96-4 ΙNΑ 1-5 (2) (2) NA SODIUM TETRABORATE Skin Irrit. 2; Eye Damage 1; H315, H318 UX6475000 1-5 NA NA NF NF NF NA NA NA PYROPHOSPHORIC ACID, DISODIUM 7758-16-9 231-835-0 SALT Acute Tox. Oral 5; H303 ZE5100000 1300-72-7 1-5 NA NA NF NF NF NA NA 215-090-9 NA SODIUM XYLENE SULFONATE Acute Tox. Dermal 5; Eye Irrit. 2A; H313, H319 4. FIRST AID MEASURES DO NOT INDUCE VOMITING. Contact Poison Control Center +1 (866) 291-7152 or the nearest Poison 4 1 First Aid: Ingestion: 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 persists 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. 4.2 Effects of Exposure: Irritation upon direct contact. Eyes: Mildly irritating. Prolonged or repeated skin contact can result in drying and defatting of the skin, and Skin: possible sensitization in some individuals.

Ingestion:

Inhalation

cause lung damage.

Irritation of respiratory tract and mucous membranes.

Irritation to the gastrointestinal tract. This material can enter the lungs during swallowing or vomiting and



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		4. FIRST AID MEASURES - cont'd						
4.3	Symptoms of Overexposure:	Eyes: Redness, burning, irritation, stinging and swelling around e Skin: Redness, burning, itching, rash, drying and defatting of the Ingestion: Nausea, vomiting, severe abdominal pain. Inhalation: Coughing, wheezing, swelling of throat, irritation in mucous	skin.	nes. diff	ficulty br	eathing		
4.4	Acute Health Effects:	Irritation or possible burns upon direct skin contact. Possible irreversible damage to eyes. Irritation and possib sensitization with certain individuals.						
4.5	Chronic Health Effects:	Irritation and possible skin sensitization with certain individuals. Pro dermatitis.	longed or	r repea	ted skin	exposi	ıre may	cause
4.6	Target Organs:	Eyes, Skin, Lungs (severe irritant).						
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin conditions, and disorders of the target organs (eyes, skin, and respiratory system).	HEAL	HEALTH				1
		organs (eyes, skin, and respiratory system).	FLAM	IMABII	LITY			0
			PHYS	ICAL I	HAZAR	DS		0
			PROT	TECTIV	E EQU	IPMEN	IT	В
			EYES	S	KIN			
		5. FIREFIGHTING MEASURES						
5.1	Fire & Explosion Hazards:	Non-flammable. Use media as appropriate for surrounding fire.						
5.2	Extinguishing Methods: Firefighting Procedures:	Carbon Dioxide, Foam, Water Spray, Halon (if permitted), Dry Chemical As with any fire, firefighters should wear appropriate protective equipments	Extinguish	her.	IOLIA /AU	0011		
		approved or equivalent self-contained breathing apparatus (SCBA) and p decomposition products may be released. Thermal degradation may pronitrogen, hydrocarbons and/or derivatives. Fire should be fought from a from fire control or dilution from entering sewers, drains, drinking v waterway.	orotective duce oxid safe dista	clothing les of ca ance. P	g. Hazaro arbon, an revent ru	dous nd/or unoff	1	0
		6. ACCIDENTAL RELEASE MEASUR Before cleaning any spill or leak, individuals involved in spill cleanu						
							`	, (c.g.,
		apron, boots, etc.) to prevent skin contact. Small Spills: Wear appropriate protective equipment including gloves ar inert material such as vermiculite or sand to soak up the product and place Large Spills: Keep incompatible materials (e.g., organics such as oil) are or release. Isolate immediate hazard area and keep unauthorized persor done with minimal risk. Wear appropriate protective equipment including Recover as much free liquid as possible and collect in acid-resistant coldischarging liquid directly into a sewer or surface waters.	ce into a c way from onnel out c ing respir	containe spill. S of area. atory pr	er for late stay upwi Stop sp rotection	er dispos ind and ill or rele as con	on-combo sal. away fro ease if it ditions w	ustible, om spil can be varrant
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7.1	Work & Hygiene Practices:	Small Spills: Wear appropriate protective equipment including gloves ar inert material such as vermiculite or sand to soak up the product and place Large Spills: Keep incompatible materials (e.g., organics such as oil) are or release. Isolate immediate hazard area and keep unauthorized persor done with minimal risk. Wear appropriate protective equipment including Recover as much free liquid as possible and collect in acid-resistant coldischarging liquid directly into a sewer or surface waters. 7. HANDLING & STORAGE INFORMAT Avoid breathing mists or spray. Avoid eye and skin contact. Wear protect of the reach of children. Do not eat, drink or smoke when handling the sand skin contact.	ce into a consequence into a consequence c	containe spill. S of area. ratory pr lse abso	er for late stay upwi Stop sp rotection orbent to	er disposind and all or release con pick up	on-combusal. away from the ase if it ditions were residue	om spil can be varrant . Avoid
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7.2 7.3 8.1 8.2	Storage & Handling: Special Precautions: Exposure Limits: ppm (mg/m³) Ventilation & Engineering Controls: Respiratory Protection:	Small Spills: Wear appropriate protective equipment including gloves ar inert material such as vermiculite or sand to soak up the product and place Large Spills: Keep incompatible materials (e.g., organics such as oil) are or release. Isolate immediate hazard area and keep unauthorized persor done with minimal risk. Wear appropriate protective equipment including Recover as much free liquid as possible and collect in acid-resistant condischarging liquid directly into a sewer or surface waters. 7. HANDLING & STORAGE INFORMAT Avoid breathing mists or spray. Avoid eye and skin contact. Wear protect of the reach of children. Do not eat, drink or smoke when handling in Immediately clean-up and decontaminate any spills or residues. Use and store in a cool, dry, well-ventilated location (e.g., local exhaus sunlight. Keep away from incompatible substances (See Section 10). Protection in a cool, dry, well-ventilated location (e.g., local exhaus sunlight. Keep away from incompatible substances (See Section 10). Protection may retain hazardous product residues. 8. EXPOSURE CONTROLS & PERSONAL PROTECTION OF STELL ES-TWA STELL SODIUM TETRABORATE (2) (6) NF NF NF When working with large quantities of product, provide adequate ventilating that an eyewash station, sink or washbasin is available in case of exposure in instances where vapors or sprays of this product are generated, and ruse only protection authorized by 29 CFR §1910.134, applicable U.S. Sta CAS Standard Z94.4-93 and applicable standards of Canadian Provential of the product of the product of Canadian Provential in the control of Canadian Provential	CE into a company from the control of the control o	ment where the containers of t	osha stel NA haust ve tion is ne r the Car ber Stat	ind and ill or release con pick up dispose con pick up dispose con pick up dispose constitution of the control	on-combiseal. away from the sease if it ditions were asserted and the sease after the sease af	ustible, om spil can be varrant . Avoic ep out ndling. direct



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		9. PHYSICAL & CHEMICAL PROPERTIES				
9.1	Appearance:	Pink liquid				
9.2	Odor:	No odor				
9.3	Odor Threshold:	NA .				
9.4	pH:	9.0				
9.5	Melting Point/Freezing Point:	NA NA				
9.6	Initial Boiling Point/Boiling	100 °C (212 °F)				
9.7	Range: Flashpoint:	NA NA				
9.8	Upper/Lower Flammability	LEL: NA; UEL: NA				
9.9	Limits: Vapor Pressure:	NA NA				
9.10	Vapor Density:	> 1.0 (Air = 1.0)				
9.11	Relative Density:	1.012				
9.12	Solubility:	Miscible				
9.13	Partition Coefficient (log Pow):	NA NA				
9.14	Autoignition Temperature:	NA NA				
9.15	Decomposition Temperature:	NA .				
9.16	Viscosity:	NA NA				
9.17	Other Information:	Evaporation Rate: >1.0 (Ethyl Ether = 1.0)				
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		10. STABILITY & REACTIVITY				
10.1	Stability:	Stable under normal storage and use conditions.				
10.2	Hazardous Decomposition Products:	Thermal decomposition may produce carbon, potassium, sulfur and nitrogen oxides.				
10.3	Hazardous Polymerization:	Will not occur.				
10.4	Conditions to Avoid:	Avoid high temperatures and incompatible materials.				
10.5	Incompatible Substances:	Strong acids, water-reactive substances and metals such as aluminum and zinc.				
		11. TOXICOLOGICAL INFORMATION				
11.1	Routes of Entry:	Inhalation: YES Absorption: YES Ingestion: NO				
11.2	Toxicity Data:	Sodium Pyrophosphate, Dibasic: LD ₅₀ (oral, mouse) = 2,650 mg/kg; Sodium Xylene Sulfonate: LD ₅₀ (oral, rat) ≥ 7,200				
	, <u></u>	mg/kg				
11.3	Acute Toxicity:	See Section 4.4				
11.4	Chronic Toxicity:	See Section 4.5				
11.5	Suspected Carcinogen:	NA .				
11.6	Reproductive Toxicity:	This product is not reported to cause reproductive toxicity in humans.				
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.				
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.				
	Teratogenicity:	This product is not reported to produce teratogenic effects in humans.				
	Reproductive Toxicity:	This product is not reported to cause reproductive effects in humans.				
11.7	Irritancy of Product:	See Section 4.2				
11.8	Biological Exposure Indices:	NE				
11.9	Physician Recommendations:	Treat symptomatically.				
		12. ECOLOGICAL INFORMATION				
12.1	Environmental Stability:	Phosphates may persist indefinitely if released into groundwater. <u>Sodium Xylene Sulfonate</u> : OECD Test Guideline 301B: 83-85% Readily biodegradable.				
12.2	Effects on Plants & Animals:	There are no specific data available for this product.				
12.3	Effects on Aquatic Life:	There are no specific data available for this product.				
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		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 3. 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:	NA				



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		14. TRANSPORTATIO	N INFORMATION	
The b	asic description (ID Number,		roup) is shown for each mode of transportation. Additional descriptive information	
may b	pe required by 49 CFR, IATA/	ICAO, IMDG and the CTDGR.	',	
14.1		NOT REGULATED		
14.2		IOT REGULATED		
14.3	, ,	NOT REGULATED		
14.5	i i	NOT REGULATED NOT REGULATED		
14.6	` '	NOT REGULATED NOT REGULATED		
14.7	, ,	NOT REGULATED		
	- (-)	NOT REGULATED		
		15. REGULATORY I	NFORMATION HSR002530	
15.1	SARA Reporting Requirements:	This product does not contain any chemicals sub	oject to the SARA Title III, Section 313 reporting requirements.	
15.2	SARA TPQ:	There are no specific Threshold Planning Quanti	ties for the components of this product.	
15.3	TSCA Inventory Status:	The components of this product are listed on the	TSCA Inventory.	
15.4	CERCLA Reportable Quantity:	NA	·	
15.5	Other Federal Requirements:	NA		
15.6	Other Canadian Regulations:	contains all of the information required by the C the DSL/NDSL. None of the components of the List. Class D2B (Materials Causing Other Toxic		
15.7	State Regulatory Information:	Sodium Pyrophosphate, Dibasic is found on the Pennsylvania Right-to-Know List (PA). None of the ingredients in this product, present state criteria lists: California Proposition 65 Substances List (FL), Massachusetts Hazard Minnesota Hazardous Substances List (MN), N	following state criteria lists: New Jersey Right-to-Know List (NJ), and in a concentration of 1.0% or greater, are listed on any of the following (CA65), Delaware Air Quality Management List (DE), Florida Toxic ous Substances List (MA), Michigan Critical Substances List (MI), ew Jersey Right-to-Know List (NJ), New York Hazardous Substances), Washington Permissible Exposures List (WA), Wisconsin Hazardous	
15.8	Other Requirements:		nown to the State of California to cause cancer or ot www.P65Warnings.ca.gov.	
		16. OTHER INFO	DRMATION SW revised 30.12.2020	
16.1	Other Information:	WARNING! MAY BE HARMFUL IN CONT IRRITATION. May be harmful in contact with skin gloves/eye protection. If swallowed, immediately skin irritation or rash occurs: Get medical advice/skEEP OUT OF REACH OF CHILDREN.	ACT WITH SKIN. CAUSES SKIN IRRITATION. CAUSES EYE n. Causes skin irritation. Causes serious eye irritation. Wear protective call a Poison Center or doctor/physician. Avoid breathing mist/sprays. If	
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	BIRCHWOOD CASEY	
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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 N	

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

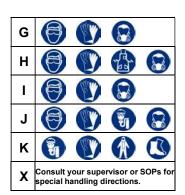
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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



PERSONAL PROTECTION RATINGS:

Α			
В			
С		型	
D		型	
Е			
F			





OTHER STANDARD ABBREVIATIONS:

Carc	Carcinogenic	
Irrit	Irritant	
NA	Not Available	
NR	No Results	
ND	Not Determined	
NE	Not Established	
NF	Not Found	
SCBA	BA Self-Contained Breathing Apparatus	
Sens	Sens Sensitization	
STOT RE	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	UEL Upper Explosive Limit - highest percent of vapor in air, by volume, that wil	
	explode or ignite in the presence of an ignition source	

HAZARD RATINGS:

0	Minimal Hazard	FLAMMABILITY
1	Slight Hazard	\ A
2	Moderate Hazard	REACTIVITY
3	Severe Hazard	
4	Extreme Hazard	
ACD	Acidic	
ALK	Alkaline	
COR	Corrosive	/ \ \ \ \
W	Use No Water	HEALTH
ОХ	Oxidizer	SPECIAL
TREFOIL	Radioactive	PRECAUTIONS

TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
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, 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 K _{ow} or log K _{oc}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System				
DOT	U.S. Department of Transportation				
TC	Transport Canada				
EPA	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:

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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:

		③	\Diamond			\Diamond		(
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment