

Page 1 of 5 **BC-018**

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

SDS Revision: 2.1

1.1		1	PRODUCT	& COMP)EN.								
	Product Name:		MUZZLE											
					LEAN	EK								
1.2 1.3	Chemical Name:	Aqueous 8 33745	Solution											
1.3	Synonyms: Trade Names:		zzle Magic Clea	nor™										
1.5	Product Use:		sh/Cleanser											
1.6	Distributor's Name:		Casey, LLC											
1.7	Distributor's Address:		oark Drive, New I	Hone MN 554	27 LISA									
1.8	Emergency Phone:		c +1 (800) 424			2007	r Doi	son C	ontre		tor i	1 /966) 201-	7150
1.9	Business Phone / Fax:	+1 (952) 3		+-93007 +1 (7	03) 527-3	0007 (onur			1 (000) 291-1	152
1.0	Dusiness Filone / Fax.	+1 (952) 5	00-0717											
			2 HA					J						
2.1	Hazard Identification:	criteria of WARNING IRRITATIO	2. HAZARDS IDENTIFICATION 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 EY IRRITATION. Classification: Acute Tox. Dermal 5; Skin Irrit. 2; Eye Irrit											
2.2	Label Elements:		atements (H): H3				with sł	kin. H3	315 -	Cause	s skin	irritatio	n.	
		Precaution clothing s protection. irritation of this Safety IN EYES:	H320 – Causes eye irritation. <u>Precautionary Statements</u> (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											
2.3	Other Warnings:	In the ever center, wh	nt of an exposure o may seek advi T OF REACH O	e or medical inq ce from the U.S							a phys	sician o	r local p	poison contro
		3. CO	OMPOSITIO	ON & INGI	REDIE	NT II	NFO	RM/	ΤΙΟ	N				
									EXPOS	SURE LI	MITS IN	AIR (mg/	m³)	
						AC	GIH		NOHS	0		OSHA	۱	
						р	pm		ppm			ppm		
CUEN	ICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES- TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH	OTHER
CHEMICAL NAME(S)				231-791-2	60-100	NE	NE	NF	NF	NF	NE	NE	NE	OTTIER
	- D	7732-18-5												
WATE	R						-							
WATE	ER	8051-30-7		232-483-0	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
WATE MODI		8051-30-7	NA VZ2275000	232-483-0 NA	1-5 1-5	NA (2)	NA (6)	NF					NA	(1) NIOSH
WATE MODII SODII	FIED ALKANOLAMIDE	8051-30-7 1303-96-4 Skin Irrit. 2	NA VZ2275000 2; Eye Damage 1; H	232-483-0 NA H315, H318	1-5	(2)	(6)	NF	NF NF	NF	NA (2)	NA NA	NA	(1) NIOSH
WATE MODII SODII PYRO	FIED ALKANOLAMIDE UM TETRABORATE DPHOSPHORIC ACID, DISO	8051-30-7 1303-96-4 Skin Irrit. 2 DIUM 7758-16-9	NA VZ2275000 2; Eye Damage 1; H UX6475000	232-483-0 NA					NF	NF	NA	NA		(1) NIOSH
WATE MODII SODII PYRO SALT	FIED ALKANOLAMIDE UM TETRABORATE DPHOSPHORIC ACID, DISO	8051-30-7 1303-96-4 Skin Irrit. 2 DIUM 7758-16-9 Acute Tox	NA VZ2275000 2; Eye Damage 1; H UX6475000 . Oral 5; H303	232-483-0 NA H315, H318 231-835-0	1-5	(2) NA	(6) NA	NF NF	NF NF	NF NF	NA (2) NA	NA NA	NA	(1) NIOSH
WATE MODII SODII PYRO SALT	FIED ALKANOLAMIDE UM TETRABORATE DPHOSPHORIC ACID, DISO	8051-30-7 1303-96-4 Skin Irrit. 2 DIUM 7758-16-9 Acute Tox 1300-72-7	NA VZ2275000 I; Eye Damage 1; H UX6475000 Oral 5; H303 ZE5100000	232-483-0 NA H315, H318 231-835-0 215-090-9	1-5 1-5 1-5	(2)	(6)	NF NF	NF NF	NF	NA (2)	NA NA	NA	 (1) NIOSH
WATE MODII SODII PYRO SALT	FIED ALKANOLAMIDE UM TETRABORATE DPHOSPHORIC ACID, DISO	8051-30-7 1303-96-4 Skin Irrit. 2 DIUM 7758-16-9 Acute Tox 1300-72-7	NA VZ2275000 ;; Eye Damage 1; H UX6475000 . Oral 5; H303 ZE5100000 . Dermal 5; Eye Irri 4.	232-483-0 NA H315, H318 231-835-0 215-090-9 t. 2A; H313, H319 FIRST AID CE VOMITING.	1-5 1-5 1-5 9 MEAS Contact	(2) NA NA SURE	(6) NA NA ES	NF NF	NF NF NF	NF NF NF (866)	NA (2) NA NA 291-7	NA NA NA NA NA 7152 or	NA NA NA	arest Poisor
WATE MODII SODII PYRO SALT SODII	FIED ALKANOLAMIDE UM TETRABORATE OPHOSPHORIC ACID, DISO UM XYLENE SULFONATE	8051-30-7 1303-96-4 Skin Irrit. 2 DIUM 7758-16-9 Acute Tox 1300-72-7 Acute Tox	NA VZ2275000 Eye Damage 1; H UX6475000 Oral 5; H303 ZE5100000 Dermal 5; Eye Irri DO NOT INDUC Control Center medical attentic risk of aspiratior If product gets holding eyelid(s use, consult a p Remove contar and/or the skin until after it has	232-483-0 NA 315, H318 231-835-0 215-090-9 t. 2A; H313, H319 FIRST AID CE VOMITING. or local emerg on. If vomiting n. in the eyes, flus) open to ensur hysician or eme minated clothing reaction worse been properly c	1-5 1-5 1-5 MEAS Contact ency telep occurs spo sh eyes th e complete ergency ro g and was ens, conta cleaned.	(2) NA NA NA Poisor hone i bontane orough e flushi om imr sh affe ct a pl	(6) NA NA S Contrinumbe ously, hly with mediate ected a hysicia	NF NF NF NF ol Cer r for a keep v h copic the ey ely. areas v n imm	NF NF NF NF NF ssista victim' us an es or f	NF NF NF NF NF (866) nce ar s head nounts ace be ace be ace be	NA (2) NA NA 291-7 nd inst lower of wa ecome not wa	NA NA NA NA NA 7152 or truction red (for ter for swolle ter. If vear co	NA NA NA the ne s. See ward) t at least n during discon ntamin	arest Poison k immediate o reduce the 15 minutes, g or following nfort persists ated clothing
WATE MODII SODII PYRO SALT SODII	FIED ALKANOLAMIDE UM TETRABORATE OPHOSPHORIC ACID, DISO UM XYLENE SULFONATE	8051-30-7 1303-96-4 Skin Irrit. 2 DIUM 7758-16-9 Acute Tox 1300-72-7 Acute Tox Ingestion: Eyes: Skin:	NA VZ2275000 Create State Stat	232-483-0 NA 315, H318 231-835-0 215-090-9 t. 2A; H313, H319 FIRST AID CE VOMITING. or local emerg on. If vomiting n. in the eyes, flus) open to ensur hysician or eme minated clothing reaction worse been properly of to fresh air a	1-5 1-5 1-5 MEAS Contact ency telep occurs spo sh eyes th e complete ergency ro g and was ens, conta cleaned. t once.	(2) NA NA NA Poisor hone i bontane orough e flushi om imr sh affe ct a pl Under	(6) NA NA S Contrinumbe ously, hly with mediate ected a hysicia	NF NF NF NF ol Cer r for a keep v h copic the ey ely. areas v n imm	NF NF NF NF NF ssista victim' us an es or f	NF NF NF NF NF (866) nce ar s head nounts ace be ace be ace be	NA (2) NA NA 291-7 nd inst lower of wa ecome not wa	NA NA NA NA NA 7152 or truction red (for ter for swolle ter. If vear co	NA NA NA the ne s. See ward) t at least n during discon ntamin	arest Poison k immediate o reduce the 15 minutes, g or following nfort persists ated clothing
WATE MODII SODII PYRO SALT SODII	FIED ALKANOLAMIDE UM TETRABORATE OPHOSPHORIC ACID, DISO UM XYLENE SULFONATE	8051-30-7 1303-96-4 Skin Irrit. 2 DIUM 7758-16-9 Acute Tox 1300-72-7 Acute Tox Ingestion: Eyes: Skin: Inhalation: Eyes: Skin:	NA VZ2275000 EXECT Constraints VZ2275000 VZ2275000 VZ257000 Oral 5; H303 ZE5100000 Dermal 5; Eye Irri DO NOT INDUG Control Center medical attentic risk of aspiration If product gets holding eyelid(s use, consult a p Remove contar and/or the skin until after it has Remove victim respiration. See Irritation upon d Mildly irritating, possible sensitiz	232-483-0 NA 4315, H318 231-835-0 215-090-9 t. 2A; H313, H319 FIRST AID CE VOMITING. or local emerg on. If vomiting n. in the eyes, flus) open to ensur hysician or emen inated clothing reaction worse been properly of to fresh air a <u>ak immediate m</u> irect contact. Prolonged or zation in some i	1-5 1-5 1-5 MEAS Contact ency telep occurs spo sh eyes th e complete orgency ro g and was ens, conta cleaned. t once. edical atter repeated ndividuals	(2) NA NA NA Poisor bhone i bontane orough e flushi om imr sh affe ct a ph Under ention. skin c	(6) NA NA NA S Contrinumbe ously, nly with ing. If mediate ected a hysicia extrem	NF NF NF NF NF NF NF NF NF NF NF NF NF N	NF NF NF NF NF ssista victim' us an es or i us an es or i sediate	NF NF NF NF NF NF NF NF NF NF NF NF NF N	NA (2) NA NA 291-7 nd inst l lowel of wa ecome nd wa not w preathi	NA NA NA NA NA NA NA 7152 or truction red (for ter for swoller ter. If vear co ng stop	NA NA NA NA the ne s. See ward) t at least n during discon ntamin os, per	arest Poison k immediate o reduce the 15 minutes, g or following nfort persists ated clothing form artificia he skin, and
WATE MODII SODII PYRO SALT SODII	FIED ALKANOLAMIDE UM TETRABORATE PHOSPHORIC ACID, DISO UM XYLENE SULFONATE First Aid:	8051-30-7 1303-96-4 Skin Irrit. 2 DIUM 7758-16-9 Acute Tox 1300-72-7 Acute Tox Ingestion: Eyes: Skin: Inhalation: Eyes:	NA VZ2275000 Cycle Constraints VZ2275000 VZ2275000 VZ2275000 VZ25100000 VZ51303 VZ5100000 VZ51300 VZ5100000 VZ510000 VZ51000 VZ5100 VZ510 VZ5100 VZ5100 VZ510 VZ51	232-483-0 NA 1315, H318 231-835-0 215-090-9 t. 2A; H313, H319 FIRST AID CE VOMITING. or local emerg on. If vomiting n. If vomiting	1-5 1-5 1-5 MEAS Contact ency telep occurs spo sh eyes th e complete orgency ro g and was ens, conta cleaned. t once. edical atter repeated ndividuals	(2) NA NA NA Poisor bhone i bontane orough e flushi om imr sh affe ct a ph Under ention. skin c	(6) NA NA NA S Contrinumbe ously, nly with ing. If mediate ected a hysicia extrem	NF NF NF NF NF NF NF NF NF NF NF NF NF N	NF NF NF NF NF ssista victim' us an es or i us an es or i sediate	NF NF NF NF NF NF NF NF NF NF NF NF NF N	NA (2) NA NA 291-7 nd inst l lowel of wa ecome nd wa not w preathi	NA NA NA NA NA NA NA 7152 or truction red (for ter for swoller ter. If vear co ng stop	NA NA NA NA the ne s. See ward) t at least n during discon ntamin os, per	arest Poison k immediate o reduce the 15 minutes, g or following nfort persists ated clothing form artificia he skin, and
WATE MODII SODIU SALT 60DIU 4.1	FIED ALKANOLAMIDE UM TETRABORATE PHOSPHORIC ACID, DISO UM XYLENE SULFONATE First Aid:	8051-30-7 1303-96-4 Skin Irrit. 2 DIUM 7758-16-9 Acute Tox 1300-72-7 Acute Tox Ingestion: Eyes: Skin: Inhalation: Eyes: Skin:	NA VZ2275000 EXECT Constraints VZ2275000 VZ2275000 VZ257000 Oral 5; H303 ZE5100000 Dermal 5; Eye Irri DO NOT INDUG Control Center medical attentic risk of aspiration If product gets holding eyelid(s use, consult a p Remove contar and/or the skin until after it has Remove victim respiration. See Irritation upon d Mildly irritating, possible sensitiz	232-483-0 NA H315, H318 231-835-0 215-090-9 t. 2A; H313, H319 FIRST AID CE VOMITING. or local emerg or. If vomiting or. If vomiting or. If vomiting or. If vomiting or. If vomiting the eyes, flus) open to ensur hysician or eme ninated clothing reaction worse been properly of to fresh air a been properly of to fresh air a beinendiate m irect contact. Prolonged or zation in some i gastrointestinal lage.	1-5 1-5 1-5 MEAS Contact ency telep occurs spo sh eyes th e complete ergency ro g and was ens, conta cleaned. t once. edical atte repeated ndividuals tract. This	(2) NA NA NA Poisor ontane orough e flushi om imr sh affe ct a pl Under ention. skin c s mate	(6) NA NA S Contrinumbe ously, hly with ing. If mediate extren extren ontact rial ca	NF NF NF NF NF NF NF NF NF NF NF NF NF N	NF NF NF NF NF ssista victim' us an es or i us an es or i sediate	NF NF NF NF NF NF NF NF NF NF NF NF NF N	NA (2) NA NA 291-7 nd inst l lowel of wa ecome nd wa not w preathi	NA NA NA NA NA NA NA 7152 or truction red (for ter for swoller ter. If vear co ng stop	NA NA NA NA the ne s. See ward) t at least n during discon ntamin os, per	arest Poisc k immedia o reduce th 15 minute g or followir nfort persis ated clothir form artific he skin, ar



Page 2 of 5 **BC-018**

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

SDS Revision: 2.1 SI

		4. FIRST A		EASU	RES –	cont'o	1				
4.3	Symptoms of Overexposure:	Skin: Redness, burning, it	Skin: Redness, burning, itching, rash, drying and defatting of the skin. Ingestion: Nausea, vomiting, severe abdominal pain.								
		Inhalation: Coughing, wheezing, swelling of throat, irritation in mucous membranes, difficulty breathing.									
4.4	Acute Health Effects:	Irritation or possible burns upon direct skin contact. Possible irreversible damage to eyes. Irritation and possible sensitization with certain individuals.									
4.5	Chronic Health Effects:	Irritation and possible skin sensi dermatitis.	tization	with certa	ain individ	uals. Pro	olonged c	or repeat	ed skin	exposu	re may cause
4.6	Target Organs:	Eyes, Skin, Lungs (severe irritant)									
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin organs (eyes, skin, and respiratory			isorders o	f the targe	et HEA	LTH			1
		organs (eyes, skin, and respiratory	y system).			FLA	MABIL	.ITY		0
							PHYS	SICAL H	IAZAR	DS	0
								TECTIV		IPMEN	T B
							EYES	S	KIN		
		5. FIREF	FIGHT	ING N	IEASU	RES					
5.1	Fire & Explosion Hazards:	Non-flammable. Use media as app									
5.2	Extinguishing Methods:	Carbon Dioxide, Foam, Water Spr					Extinguis	her.			
5.3	Firefighting Procedures:	As with any fire, firefighters shoul approved or equivalent self-contai decomposition products may be re nitrogen, hydrocarbons and/or der from fire control or dilution from waterway.	d wear a ned brea eleased. rivatives.	ppropriat thing app Thermal Fire shou	e protectiv aratus (So degradatio uld be foug	ve equipm CBA) and on may pro ght from a	nent inclue protective oduce oxio safe dist	ding a M clothing des of ca ance. Pr	. Hazaro rbon, ar revent ru	dous nd/or unoff	
		6. ACCIDEN	ΓAL R	ELEA	SE ME	ASUR	ES				
6.1	Spills:	Before cleaning any spill or leal Equipment (PPE). Use safety gla apron, boots, etc.) to prevent skin <u>Small Spills</u> : Wear appropriate pro- inert material such as vermiculite or <u>Large Spills</u> : Keep incompatible or release. Isolate immediate haz done with minimal risk. Wear ap Recover as much free liquid as p discharging liquid directly into a se	sses or s contact. otective e or sand te materials card area opropriate ossible a	equipmen o soak up (e.g., or and keep protecti nd collec	ggles and t including the produ ganics suc o unauthor ve equipm t in acid-re	face shiel g gloves a lot and pla th as oil) a rized personent includ	d; use glo nd protec ace into a away from onnel out ding respi	oves and tive eyew contained spill. Si of area. ratory pro	other p wear. L r for late tay upw Stop sp otection	rotective Jse a not er dispositind and a nill or rele as cond	clothing (e.g., n-combustible, al. away from spill base if it can be ditions warrant.
		7. HANDLING	0 CT/								
7.1	Work & Hygiene Practices:	Avoid breathing mists or spray. Av						ment wh	on han	dling pro	duct Keen out
7.1		of the reach of children. Do not Immediately clean-up and deconta	eat, drir minate a	nk or smo	oke when or residue	handling s.	this proc	luct. Wa	ash thoi	roughly a	after handling.
7.2	Storage & Handling:	Use and store in a cool, dry, we sunlight. Keep away from incompare									
7.3	Special Precautions:	Empty containers may retain haza				,					
							OTEO	TION			
	r	8. EXPOSURE CONT			RSON		OIEC	TION			•
8.1	Exposure Limits: ppm (mg/m ³)	CHEMICAL NAME(S)	TLV	GIH STEL	ES-TWA	NOHSC ES- STEL	ES- PEAK	PEL	OSHA STEL	IDLH	OTHER
8.2	Ventilation & Engineering	SODIUM TETRABORATE When working with large quantities	(2)	(6)	NF do odoguo	NF	NF	(2)	NA	Na	(1) NIOSH
0.2	Controls:	that an eyewash station, sink or wa	ashbasin	is availa	ole in case	e of expos	ure to eye	es.			ians). Ensure
8.3	Respiratory Protection:	In instances where vapors or spra use only protection authorized by CAS Standard Z94.4-93 and ap Australia (e.g., NIOSH approved re	29 CFR § plicable	§1910.13 standard	4, applicat s of Cana	ole Ú.S. Si adian Pro	tate regula vinces, E	ations, or	the Ca	nadian	
8.4	Eye Protection:	Safety glasses with side shields r shield is also recommended.						uct. A p	orotectiv	e face	0
8.5	Hand Protection:	Wear protective, chemical-resistar this product.	-						-		
8.6	Body Protection:	Not required under normal condition (e.g., > 5 gallons (18.9 L)) of this p		se are rec	ommende	d when h	andling o	r using la	irge qua	ntities	
1											



Page 3 of 5 **BC-018**

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

SDS Revision: 2.1

		9. PHYSICAL & CHEMICAL PROPERTIES
9.1	Appearance:	
9.1	Odor:	No odor
9.2	Odor Threshold:	NA
9.4	pH:	9.0
9.5	Melting Point/Freezing Point:	NA
9.6	Initial Boiling Point/Boiling	
9.0	Range:	100 °C (212 °F)
9.7	Flashpoint:	NA
9.8	Upper/Lower Flammability Limits:	LEL: NA; UEL: NA
9.9	Vapor Pressure:	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
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. 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.
11.1	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) ≥ 7,20 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 Guidelir
		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.
		13. DISPOSAL CONSIDERATIONS
13.1	Waste Disposal:	Review current local, state and federal laws, codes, statutes and regulations to determine current status and appropriate
13.1	Waste Disposal:	
13.1	Waste Disposal:	Review current local, state and federal laws, codes, statutes and regulations to determine current status and appropria disposal method for the ingredients listed in Section 3. Any disposal practice must be in compliance with local, state, ar federal laws and regulations. Contact the appropriate agency for specific information. Treatment, transport, storage ar
13.1	Waste Disposal:	



Page 4 of 5 **BC-018**

1

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

SDS Revision: 2.1

		14. TRANSPORTATIO	N INFORMATION
The	basic description (ID Number		(roup) is shown for each mode of transportation. Additional descriptive information
may	be required by 49 CFR, IATA/	ICAO, IMDG and the CTDGR.	
14.1		NOT REGULATED	
14.2		NOT REGULATED	
14.3		NOT REGULATED	
14.4		NOT REGULATED	
14.5 14.6		NOT REGULATED	
14.0	, ,		
14.7	ADGIT (A03).	NOT REGULATED	
		15. REGULATORY	NFORMATION
15.1	SARA Reporting Requirements:		bject to the SARA Title III, Section 313 reporting requirements.
15.2	SARA TPQ:	There are no specific Threshold Planning Quant	
15.3	TSCA Inventory Status:	The components of this product are listed on the	
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	b the hazard criteria of the CPR and the MSDS CPR. The components of this product are listed on his product are listed on the Priorities Substances Effects).
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	e 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 lous Substances List (MA), Michigan Critical Substances List (MI) lew Jersey Right-to-Know List (NJ), New York Hazardous Substances), Washington Permissible Exposures List (WA), Wisconsin Hazardous
15.8	Other Requirements:	This product does not contain any chemicals k other reproductive harm. For more information g	nown to the State of California to cause cancer or jo to www.P65Warnings.ca.gov.
		16. OTHER INFO	DRMATION
16.1	Other Information:	WARNING! MAY BE HARMFUL IN CONT IRRITATION. May be harmful in contact with ski	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 C government regulations must be reviewed for Casey, LLC knowledge, the information contain suitability or completeness is not guaranteed an The information contained herein relates only materials, all component properties must be cons latest edition.	OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other applicability to this product. To the best of ShipMate's & Birchwood ed herein is reliable and accurate as of this date; however, accuracy, d no warranties of any type, either expressed or implied, are provided. to the specific product(s). If this product(s) is combined with other sidered. Data may be changed from time to time. Be sure to consult the
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 ®
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	Consulting



Page 5 of 5 BC-018

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

SDS Revision: 2.1

SDS Revision Date: 10/25/2018

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
RTECS No.	Registry of Toxic Effects of Chemical Substances Number
EINECS No.	European Inventory of Existing Commercial Chemical Substances Number
LINE CO NO.	European inventory of Existing Commercial Chemical Substances Number

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
IDLH	Immediately Dangerous to Life and Health
NOHSC	National Occupational Health and Safety Commission (Australia)
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average

FIRST AID MEASURES:

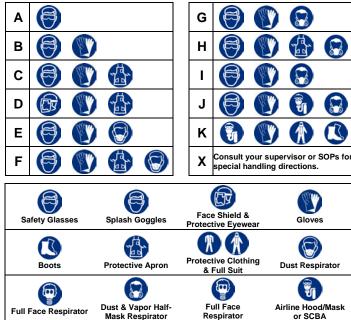
CPR	Cardiopulmonary resuscitation - method in which a person whose heart has
	stopped receives manual chest compressions and breathing to circulate blood
	and provide oxygen to the body.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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

PERSONAL PROTECTION RATINGS:



OTHER STANDARD ABBREVIATIONS:

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

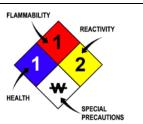
are commonly used include the following:

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	F
1	Slight Hazard	
2	Moderate Hazard	
3	Severe Hazard	
4	Extreme Hazard	
ACD	Acidic	
ALK	Alkaline	
COR	Corrosive	
W	Use No Water	ŀ
ох	Oxidizer	
TREFOIL	Radioactive	



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, TC ₀ , LC ₁₀ , & LC ₀	
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TLm	Median threshold limit
log Kow or log Koc	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System				
DOT	U.S. Department of Transportation				
TC	Transport Canada				
EPA	U.S. Environmental Protection Agency				
DSL	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	٢		Ð	(
Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

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

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