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Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards SDS Revision: 3.0 SDS Revision Date: 2/13/2022

1.1		1.	PRODUC	T & COM	PANY	IDEN	NTIF	ICA	TIC	NC							
	Product Name:		ACK TM ZN			<u></u>											
1.2	Chemical Name:		/bdate/Sodium (nn .												
1.3	Synonyms:	770251. 770		ornorate corati	211												
1.4	Trade Names:	Zinc Black™.															
1.5	Product Use:		olackening zinc	die casting and	zinc plati	na											
1.6	Distributor's Name:		aboratories LLC		Zirio piac	9											
1.7	Distributor's Address:		Road, Eden Prai		USA												
1.8	Emergency Phone:		+1 (800) 424-			887 or	Pois	on C	ontr	ol C	:ent	er +	1 (85	5) :	281-1	742	
1.9	Business Phone / Fax:		7-7900 / +1 (952		, o <u>o o o o</u>	001 01	1 010	, O.I. O	<u> </u>	0. 0	,,,,,,	<u> </u>	. (00	<u> </u>			
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			2. H	AZARDS	DENT	IFIC/	ATI(NC									
2.1	Hazard Identification:	Prepared in	accordance wit	h UN Globally	Harmoniz	ed star	ndards	. Inte	ende	d to	com	oly w	ith O	SHA	A 29	CFR 1	1910.1200
			HMIS and Austr														
		WARNING!	HARMFUL IF S	WALLOWED.	CAUSES	SKIN A	AND E	YE IF	RIT	ATIO	N.						
			<u>ı</u> : Acute Tox. (oral		•												
2.2	Label Elements:		ements (H): H30														
			<u>ry Statements</u> (I														
			ter handling. P2														<u> </u>
			oves/protective														
			Rinse mouth. F tment see section														
			e cautiously wit														•
			Continue rinsing														
			tion occurs: Ge														•
			se. P501 - Disp														
		facility (TSD	F).														
2.3	Other Warnings:		of an exposure									a pł	nysicia	an c	or loc	al pois	son contro
			may seek advice		manufac	turer, ar	nd sho	w the	m thi	s SE	S.						
		KEEP OUT	OF REACH OF	CHILDREN.													
					_												
		3. C	OMPOSIT	ION & INC	GREDI	ENT	INF	ORI	MA	TIC	N						
															m ³ \		
											KE LI	MITS	N AIR (··· /	1	
						ACG			NOH	SC	KE LI	MITS	OSI	ΗA	, ,		
						ACC ppi		EQ	NOH:	3C 1		MITS		ΗA	, , , , , , , , , , , , , , , , , , ,		
CHEM	ICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%			ES- TWA	NOH	SC 1	ES- EAK	PEL	OSI	HA m	IDLH		OTHER
		CAS No. 7332-18-5	RTECS No. ZC0110000	EINECS No. 231-791-2	% 60-100	ppi	m		NOH:	SC n . E	ES-		OSI	HA m			OTHER
CHEM WATE		7332-18-5	ZC0110000	231-791-2	60-100	TLV NE	STEL NE	TWA NF	ppr ES STE NF	SC n L PI	ES- EAK NF	PEL NE	STEI NE	HA m	IDLH NE		OTHER
WATE						ppi TLV	m STEL	TWA	PPT ES STE	SC n L PI	ES- EAK	PEL	OSI ppi STE	HA m	IDLH		OTHER
WATE	ER UM MOLYBDATE	7332-18-5	ZC0110000	231-791-2	60-100	TLV NE	STEL NE	TWA NF	ppr ES STE NF	SC n E L PI	ES- EAK NF	PEL NE	STEI NE	HA m	IDLH NE		OTHER
WATE	ΞR	7332-18-5 7631-95-0 7775-09-9	ZC0110000 QA5075000	231-791-2 231-551-7 231-887-4	7-13 1-5	TLV NE (5)	STEL NE NA	NF (5)	ppr ES STE NF	SC n E L PI	ES- EAK NF	PEL NE (5)	STEI NE	HA m	IDLH NE NA		OTHER
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SODI SODI 4.1	ER UM MOLYBDATE UM CHLORATE First Aid: Effects of Exposure:	7332-18-5 7631-95-0 7775-09-9 Ox. Sol. 1; A Ingestion: Eyes: Skin: Inhalation: Eyes: Skin: Inhalation: Eyes: Skin: Inhalation:	QA5075000 NA cute Tox. (oral) 4; 4. DO NOT INC Center or loca attention. If y aspiration. If product gets holding eyelid use, consult a Remove cont and/or the skin after it has bee Remove victir respiration. S Irritation and p Mild irritation u No significant Toxic fumes n Redness, burr Redness, burr	231-791-2 231-551-7 231-887-4 Aquatic Chronic FIRST AI OUCE VOMITII al emergency to comiting occurs is in the eyes, to comit on the examinated cloth an eaction worsen properly cleem to fresh air eek immediate cossible burns aupon direct con irritation expectot generated in hing, irritation, raing, itching, ra	7-13 1-5 2; H271, H NG. Contelephone is spontant of the gas tact. Ited from a cormally. If and swellings, blister is the swellings is the swellings in the swellings in the swellings is the swellings in t	NA 302, H41 ASUF act Safe numbe eously, sthorou lete flus room ir wash at act a ph Unde attention trointest a single is sprayeing arou ing of sli	NA NA NA I1 NA I1 NA II NA	NF (5) NF (1) NF (5) NF (6) NF (7) NF (7) NF (8) NF (8) NF (9) NF	NOH: ppr ppr ESSTE NF NF NF NF NF NE NF) 28 and ead sort this stely.	SES-EAK NNF NF NF 1-177 inst lowe nounface oap Do r s, if	PEL (5) NA 42 of varieties of become and the properties of the pro	STEINE NA NA NA NA NA NA NA Water the swater me swater car co	neeseerd)	NA	nediateduce from the comformation of the comfo	on Contro te medica the risk of 5 minutes or following rt persists othing unt
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		4 FIDOT A			DEC		الم				
4.4	Acute Health Effects:	4. FIRST A					a				
4.4	Chronic Health Effects:	If sprayed, breathing mists can can None reported by the manufacture		and thro	at irritation						
4.6	Target Organs:	Eyes, Skin, Lungs (Mild Irritant).	ii.								
4.7	Medical Conditions	Pre-existing dermatitis, other skir	n conditio	ons and	disorders	of the	HEALTI	4			1
	Aggravated by Exposure:	target organs (eyes, skin, and res							V		
		function may be more susceptible					FLAMM				0
							PHYSIC	AL HAZ	ZARDS		0
							PROTE	CTIVE E	EQUIPM	ENT	В
							EYES	SKIN	l L	UNGS	
		5. FIREF	IGHT	ING N	1FASU	RFS					
5.1	Fire & Explosion Hazards:	Non-flammable. May react with me					can form	explosive	mixtures	5	
5.2	Extinguishing Methods:	with air.	anrioto fo	r ourroun	ding motor	riolo					
5.3	Firefighting Procedures:	Use fire-extinguishing media appro					vo oguinn	mont inc	dudina	\exists	
		MSHA/NIOSH approved or equive clothing. Fight fires as for surrous released. Thermal degradation rand/or derivatives. Fire should be the fire is out. Use water spray to upwind. Prevent runoff from fire supply, or any natural waterway.	unding may proc fought fro to cool fi	naterials. luce oxic om a safe re-expose	Hazardo des of car distance. ed surface	us deco bon, and Keep c s and to	mposition d/or nitrog ontainers of protect pe	products gen, hydr cool until ersonal.	may be rocarbons well afte Fight fire		1 0
		6. ACCIDENT	ΓAL R	ELEA	SE ME	ASU	RES				
		apron, boots, etc.) to prevent skin contact. Small Spills: Wear appropriate protective equipment including gloves and protective eyewear. Use a non-cominert 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., acids, organics) away from spill. Stay upwind and away fror release. Isolate immediate hazard area and keep unauthorized personnel out of area. Stop spill or release if done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions Recover as much free liquid as possible and collect in acid-resistant container. Use absorbent to pick up residudischarging liquid directly into a sewer or surface waters.									
		Large Spills: Keep incompatible release. Isolate immediate hazar done with minimal risk. Wear ap Recover as much free liquid as possible.	or sand to materials d area a opropriate ossible a	o soak ups (e.g., ad heep of protections)	o the producids, organunauthorized equipment in acid-re	ict and p nics) awa ed perso ent inclu	lace into a ay from sp onnel out o uding respi	containe ill. Stay of area. S ratory pr	er for later upwind a Stop spill otection	dispos and awa or relea as cond	al. ay from spil ase if it can litions warra
		Large Spills: Keep incompatible release. Isolate immediate hazar done with minimal risk. Wear ap Recover as much free liquid as possible.	or sand to materials of area a opropriate ossible a ewer or s	o soak up s (e.g., ac nd keep o e protection nd collection urface wa	o the producids, organunauthorization to the contraction of the contra	ict and p nics) awa ed perso ent inclu esistant c	lace into a ay from sp onnel out o uding respi container. I	containe ill. Stay of area. S ratory pr	er for later upwind a Stop spill otection	dispos and awa or relea as cond	al. ay from spil ase if it can litions warra
7.1	Work & Hygiene Practices: Storage & Handling:	Large Spills: Keep incompatible release. Isolate immediate hazar done with minimal risk. Wear ap Recover as much free liquid as predischarging liquid directly into a se	or sand to materials darea a propriet e ossible a ewer or s & ST(roid eye a at, drink only in vees.	o soak up s (e.g., ac nd keep us e protection nd collec- urface war ORAG and skin our or smoke ntilated a	the producids, organunauthorize equipm tin acid-reaters. EINFC contact. We when hand areas. Keep	ed personent includes istant of the personent includes is a personent includes inclu	lace into a ay from sponnel out outing respicentainer. I	containe ill. Stay of area. S iratory pr Use abso pment wl Wash th of childr	er for later upwind a Stop spill otection orbent to hen hand oroughly en. Imm	disposed dis	al. ay from spil ase if it can litions warra residue. Av duct. Keep andling. Do y clean-up
		Large Spills: Keep incompatible release. Isolate immediate hazar done with minimal risk. Wear ap Recover as much free liquid as podischarging liquid directly into a set. 7. HANDLING Avoid breathing mists or spray. Avoid breathing mists or spray. Avoid the reach of children. Do not expose to heat and flame. Use of decontaminate any spills or residure. Use and store in a cool, dry, we sunlight. Store in acid-resistant of	or sand to materials darea a oppropriate ossible a ewer or s & STC void eye a at, drink conly in vees. Il-ventilate containers	o soak up (s) (e.g., ac nd keep (e.g., ac nd collection of	the production the production of the production	ict and phics) awaed personent inclusistant control of the personent inclusistant control of the personent inclusistant control of the personent inclusion o	lace into a ay from sponnel out outing respinentainer. It is a spontainer. It is a spontainer of the reach aust ventil d when no	containe ill. Stay of area. S ratory pr Use abso pment wl Wash th of childr lation, fal	er for later upwind a Stop spill otection orbent to hen hand oroughly en. Imm ns) away	disposed dis	al. ay from spil ase if it can litions warra residue. Av duct. Keep andling. Do deficient of clean-up and din eat and din
7.2	Storage & Handling:	Large Spills: Keep incompatible release. Isolate immediate hazar done with minimal risk. Wear ap Recover as much free liquid as podischarging liquid directly into a set. 7. HANDLING Avoid breathing mists or spray. Avoid breathing mists or spray. Avoid the reach of children. Do not expose to heat and flame. Use of decontaminate any spills or residure. Use and store in a cool, dry, we sunlight. Store in acid-resistant of substances (see Section 10). Protein	or sand to materials darea a opropriate ossible a ewer or s & STC void eye a at, drink conly in vees. Il-ventilate containers ect conta	o soak up (e.g., ac nd keep (e.g., ac nd collection of col	the producids, organunauthorize equipm tin acid-reaters. EINFC contact. We when hand areas. Keep on (e.g., locontainers physical	ict and phics) awaed personent inclusistant control of the personent inclusistant control of the personent inclusistant control of the personent inclusion o	lace into a ay from sponnel out outing respinentainer. It is a spontainer. It is a spontainer of the reach aust ventil d when no	containe ill. Stay of area. S ratory pr Use abso pment wl Wash th of childr lation, fal	er for later upwind a Stop spill otection orbent to hen hand oroughly en. Imm ns) away	disposed dis	al. ay from spil ase if it can litions warra residue. Av duct. Keep andling. Do deficient of clean-up and din eat and din
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7.2	Storage & Handling: Special Precautions: Exposure Limits:	Large Spills: Keep incompatible release. Isolate immediate hazar done with minimal risk. Wear ap Recover as much free liquid as phemore discharging liquid directly into a second of the reach of children. Do not easy expose to heat and flame. Use of decontaminate any spills or residu Use and store in a cool, dry, we sunlight. Store in acid-resistant of substances (see Section 10). Prote Empty containers may retain haza 8. EXPOSURE CONT	or sand to materials d area a oppropriate ossible a sewer or s & ST(void eye a at, drink only in ve es. III-ventilat containers ect containers ardous pro ROLS ROLS (5)	o soak up s (e.g., ac nd keep i e protection d collecturface was considered and skin cor smoke ntilated a ed location s. Keep iners from coluct residuct res	the productids, organunauthorize equipm to in acid-relaters. EINFC contact. We when handreas. Keel con (e.g., local containers in physical idues. ES-TWA (5)	DRMA ear proted dling this pout of cocal exh s covered damage AL PI NOHSC ES-STEL NF and prices) awared aware proted to complete the c	Isce into a ay from sponnel out outing respinentation. It is a second and the spontation of the sponta	pment will wash the of children to in use.	osha or for later upwind a Stop spill otection orbent to hen hand oroughly en. Imm ns) away Keep av OSHA STEL NA oors or m	dispose and away or release conceptor to the pick up to the pick u	al. ay from spil ase if it can litions warra residue. Av duct. Keep andling. Do v clean-up a leat and din n incompat
7.3	Storage & Handling: Special Precautions: Exposure Limits: ppm (mg/m³) Ventilation & Engineering	Large Spills: Keep incompatible release. Isolate immediate hazar done with minimal risk. Wear ap Recover as much free liquid as predischarging liquid directly into a second of the reach of children. Do not expose to heat and flame. Use of decontaminate any spills or residue use and store in a cool, dry, we sunlight. Store in acid-resistant of substances (see Section 10). Prote Empty containers may retain haza 8. EXPOSURE CONT CHEMICAL NAME(S) SODIUM MOLYBDATE Use local or general exhaust vent handling of this product. Ensure	or sand to materials d area a opropriate ossible a sewer or s & ST(void eye a at, drink only in ve es. III-ventilat container ect container dous pro ROLS TLV (5) (5	o soak up (e.g., ac nd keep up to protection and collection and skin of smoke ntilated and locations. Keep inters from the state of the	the producids, organunauthorize equipment in acid-relaters. EINFC contact. We when handreas. Keel containers in physical idues. ES-TWA (5) Les-TWA (5) Les-TW	DRMA ear proted ding this pout of cocal exh s covered damage AL PI NOHSC ES- STEL NF and pre and pre pon equip	Iace into a ay from sponnel out outing respirations. It is a spontainer. It is a spont	pment will wash the of children trin use. TION PEL (5) up of vap vailable (ry protect ations, or	osha stel NA pors or me.g., sink tion is ner	lling pro after ha ediately from h vay fror IDLH NA ist gene c, safety eded, adian	al. ay from spil ase if it can litions warra residue. Av duct. Keep andling. Do v clean-up a leat and din n incompat
7.2	Storage & Handling: Special Precautions: Exposure Limits: ppm (mg/m³) Ventilation & Engineering Controls:	Large Spills: Keep incompatible release. Isolate immediate hazar done with minimal risk. Wear ap Recover as much free liquid as predischarging liquid directly into a set of the reach of children. Do not expose to heat and flame. Use of decontaminate any spills or residue. Use and store in a cool, dry, we sunlight. Store in acid-resistant of substances (see Section 10). Prote Empty containers may retain haza. 8. EXPOSURE CONT CHEMICAL NAME(S) SODIUM MOLYBDATE Use local or general exhaust venth handling of this product. Ensure wash station). In instances where vapors or sprause only protection authorized by CAS Standard Z94.4-93 and ap	or sand to materials d area a opropriate ossible a sewer or s & ST(void eye a at, drink only in ve es. III-ventilat container ect container dous pro ROLS (5) tilation to appropriate	o soak up (e.g., ac nd keep up to protection of collection	the producids, organunauthorize equipment in acid-relaters. EINFC contact. We when handreas. Keel containers in physical didues. ES-TWA (5) Les-TWA (5) Les-T	DRMA ear proted ding this pout of ocal exh s covered damage AL PI NOHSC ES- STEL NF and pre and pre adding this pout of ocal exh s covered damage	lace into a lay from sponnel out outing respirations. It is a lay from sponnel out outing respirations. It is a lay from sponnel out outing respirations. It is a lay from the reach lay from the reach lay from the reach lay from the lay fro	pment will wash the of childration, fail ation, fail ation, fail ation, fail will be to the control of the cont	osha stel NA pors or me.g., sink tion is ner tripe Can ber State	lling pro after ha ediately from h vay fror IDLH NA ist gene c, safety eded, adian es, or	al. ay from spil ase if it can litions warra residue. Av duct. Keep andling. Do v clean-up a leat and din n incompat
7.2	Storage & Handling: Special Precautions: Exposure Limits: ppm (mg/m³) Ventilation & Engineering Controls: Respiratory Protection:	Large Spills: Keep incompatible release. Isolate immediate hazar done with minimal risk. Wear ap Recover as much free liquid as predischarging liquid directly into a set of the reach of children. Do not expose to heat and flame. Use of decontaminate any spills or residue. Use and store in a cool, dry, we sunlight. Store in acid-resistant of substances (see Section 10). Prote Empty containers may retain haza. 8. EXPOSURE CONT CHEMICAL NAME(S) SODIUM MOLYBDATE Use local or general exhaust venth handling of this product. Ensure wash station). In instances where vapors or sprause only protection authorized by CAS Standard Z94.4-93 and ap Australia. Safety glasses with side shields residued in the content of the cont	or sand to materials d area a opropriate ossible a sewer or s & ST(roid eye a at, drink only in ve es. Ill-ventilat container ect container dous pro ROLS AC TLV (5) tilation to appropriate of this 29 CFR & plicable must be a series of the series o	o soak up (e.g., ac nd keep up to protection of collection	the producids, organunauthorize equipment in acid-relaters. EINFC contact. We when handereas. Keepon (e.g., keepontact. We containers in physical didues. ES-TWA (5) Les-TWA (5) Les-TW	DRMA ear proted ding this pout of ocal exh s covered damage AL PI NOHSC ES- STEL NG	lace into a lay from sponnel out outing respirations. It is a lay from sponnel out outing respirations. It is a lay from sponnel out outing respirations. It is a lay from the reach lay from the reach lay from the reach lay from the lay fro	pment will wash the of childration, fail of childra	osha stel ober State or for later upwind a Stop spill otection orbent to hen hand oroughly en. Imm ns) away Keep av osha stel NA oors or m e.g., sink tion is ne r the Can ber State protective	lling pro after ha ediately from h vay fror IDLH NA ist gene c, safety eded, adian es, or	al. ay from spil ase if it can litions warra residue. Av duct. Keep andling. Do v clean-up a leat and din n incompat



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	9. PHYSICAL & CHEMICAL PROPERTIES					
9.1	Appearance:	Colorless to pale yellow liquid				
9.2	Odor:	Odorless				
9.3	Odor Threshold:	NA NA				
9.4	pH:	7.5 - 8.3				
9.5	Melting Point/Freezing Point:	NA NA				
9.6	Initial Boiling Point/Boiling Range:	> 100 °C (> 212 °F)				
9.7	Flashpoint:	NA NA				
9.8	Upper/Lower Flammability Limits:	NA				
9.9	Vapor Pressure:	NA				
9.10	Vapor Density:	NA				
9.11	Relative Density:	1.053				
9.12	Solubility:	ND				
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: ND				
		10. STABILITY & REACTIVITY				
10.1	Stability:	Stable				
10.2	Hazardous Decomposition Products:	Thermal decomposition may produce noxious chlorine-containing gases.				
10.3	Hazardous Polymerization:	Will not occur.				
10.4	Conditions to Avoid:	Incompatible substances.				
10.5	Incompatible Substances:	Water-reactive substances, reducing agents and acids.				
11.1	Routes of Entry:	11. TOXICOLOGICAL INFORMATION Inhalation: YES Absorption: YES Ingestion: YES				
11.2	Toxicity Data:	Sodium Chlorate: LD ₅₀ (oral, rat) = 1,200 mg/kg; LD ₅₀ (ip, mouse) = 596 mg/kg				
11.3	Acute Toxicity:	See Section 4.4				
	Chronic Toxicity:	See Section 4.5				
11.5 11.6	Suspected Carcinogen: Reproductive Toxicity:	NA				
11.0	Mutagenicity:	This product is not reported to cause reproductive toxicity in humans.				
	Embryotoxicity:	This product is not reported to produce mutagenic effects in humans.				
	Teratogenicity:	This product is not reported to produce embryotoxic effects in humans.				
	Reproductive Toxicity:	This product is not reported to cause teratogenic effects in humans.				
11.7	Irritancy of Product:	This product is not reported to cause reproductive effects in humans. See Section 4.2				
11.8	•	NE				
11.9	Physician Recommendations:	Treat symptomatically.				
	,	Trout dymptomatically.				
		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:	Sodium Chlorate: EC ₅₀ (Phaeodactylum tricornutum, 72h) = 298 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:	NA ,				



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14.	TRA	NSP	ORT	ATION	I INF	ORM	IOITA	1
innina	name	hazard	class &	division	nacking	aroun)	ie ehowr	fo

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.

		- : -
14.1	49 CFR (GND):	NOT REGULATED
14.2	IATA (AIR):	NOT REGULATED
14.3	IMDG (OCN):	NOT REGULATED
14.4	TDGR (Canadian GND):	NOT REGULATED
14.5	ADR/RID (EU):	NOT REGULATED
14.6	SCT (MEXICO):	NOT REGULATED
14.7	ADGR (AUS):	NOT REGULATED

15. REGULATORY INFORMATION

ĺ	15.1	SARA Reporting Requirements:	This product does not contain any substances subject to SARA Title III, Sections 302 or 313 reporting requirements.
ĺ	15.2	SARA TPQ:	There are no specific Threshold Planning Quantities for the components of this product.
ĺ	15.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.
ſ	15.4	CERCLA Reportable Quantity:	NA NA
ĺ	15.5	Other Federal Requirements:	NA .
	15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the HPR and the SDS contains all of the information required by the HPR. 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.
	15.7	State Regulatory Information:	Sodium Chlorate is found on the following state criteria lists: Massachusetts Hazardous Substances List (MA), N Jersey Right-to-Know List (NJ), and Pennsylvania Right-to-Know List (PA).



List (MA), New 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). This product does not contain any chemicals known to the State of California to cause cancer or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

This product is found on the following inventory lists: Australia - AICS, China - IECSC, Europe - ELINCS/EINEC, 15.8 Other Requirements: Japan - ENCS; Korea - KECI; New Zealand - NZIoC; {Philippines - PICCS; USA - TSCA.

16. OTHER INFORMATION

16.1	Other Information:	WARNING! HARMFUL IF SWALLOWED. CAUSES SKIN AND EYE IRRITATION. Wash hands and exposed skin
		areas thoroughly with soap and water after handling. Do not eat, drink, or smoke when using this product. Wear
		protective gloves/protective clothing/eye protection. IF SWALLOWED: Get medical help. Rinse mouth. IF ON SKIN:
		Wash with plenty of soap and water. Specific treatment see section 4 (First Aid) of this SDS or container label. IF IN
		EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue
		rinsing. If eye irritation persists: Get medical help. If skin irritation occurs: Get medical help. Take off contaminated
		clothing and washi it before reuse. 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 Cofety Date Cheet is efferted purposent to OCIIA's Herord Communication Standard 20 CED \$1010.1200. Other

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 Technologies' 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 Technologies
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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
RTECS No.	Registry of Toxic Effects of Chemical Substances Number
EINECS 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

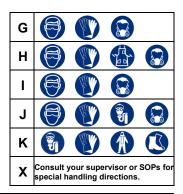
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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



PERSONAL PROTECTION RATINGS:

Α			
В			
С		THE STATE OF THE S	
D		H.	
Ε			
F		H.	





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	OT 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 Temperature	Minimum temperature required to initiate combustion in air with no other source 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	FLAMMABILITY
1	Slight Hazard	\
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:

Lethal Dose (solids & liquids) which kills 50% of the exposed animals
Lethal concentration (gases) which kills 50% of the exposed animal
Concentration expressed in parts of material per million parts
Lowest dose to cause a symptom
Lowest concentration to cause a symptom
Lowest dose (or concentration) to cause lethal or toxic effects
International Agency for Research on Cancer
National Toxicology Program
Registry of Toxic Effects of Chemical Substances
Bioconcentration Factor
Median threshold limit
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	SCA 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	®			(®		
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			\limits		*
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment