BIRCHWOOD

SAFETY DATA SHEET

Page 1 of 6 **BTI-040**

Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards

SDS Revision: 3.0

		1	PRODUC		PANY		NII⊨	FICΔ	по	N				
1.1	Product Name:	SAFE SC												
1.2	Chemical Name:	Aqueous Solu												
1.3	Synonyms:	870651.8706												
1.4	Trade Names:	Safe Scrub [®] M												
1.5	Product Use:	Cleaner												
1.6	Distributor's Name:	Birchwood Lat	oratories LLC											
1.7	Distributor's Address:	7900 Fuller Ro	ad, Eden Prairie	e, MN 55344 U	JSA									
1.8	Emergency Phone:	ChemTrec +	1 (800) 424-93	300 / +1 (703	3) 527-38	87 or	Poiso	on Co	ntrol	Cente	er +1	(855)	281-17	42
1.9	Business Phone / Fax:		7900 / +1 (952)		,							(/		
				ZARDS I										
2.1	Hazard Identification:		ccordance with				dards.	Inter	nded to	o com	oly wit	h OSF	IA 29 C	CFR 1910.1200
			MIS and Austral											
		_	ARMFUL IN CO						JSES	SERIC	US E	YE IRF	RITATIC	DN.
2.2	Label Elements:		Acute Tox. (derr							L	240	<u></u>		
2.2	Laber Elements:	Hazard Stater serious eye irr	nents (H): H312	2+H332 - Hari	mful in co	ontact v	with si	kin or	it inha	led. H	319 –	Cause	es	
		-	Statements (P)). D261 Ave	aid broath	lina du	ot/fur	alaaal	miathu	anorolo	nrov	D264		
			hly with soap an											
			Wear protective											
			nty of soap and											
		person to fres	h air and keep c	omfortable for	breathing	J. P317	– Get	media	al hel	p. P30	5+P35	51+P33	88	
		– IF IN EYES	: Rinse cautiou	sly with water	for sever	al minu	utes. F	lemove	e conta	act len	ses, if	prese	nt	
			lo. Continue rins											\mathbf{V}
			nent see section											
			clothing and wa rage or disposal			i - Disp	ose o	r conte	ents/cc	ntaine	r to a	license	a	
2.3	Other Warnings:		f an exposure o		1	ina thi	a prod	unt nl		ontaat	a nh	voioion	or loog	l poison contr
	g		ay seek advice f								a pri	sician	or loca	a poison conu
			F REACH OF CI		nanulaota	rer, an	u 3110v	v uiciii	1113 0	00.				
			REAGIN OF O											
		3 0				ENT	INF		/AT					
		3. C	OMPOSITI		GREDI	ENT	INF	ORI				AIR (m	nd/m ³)	
		3. C	OMPOSITI		GREDI		INF	ORN		SURE L	IMITS II	N AIR (m OSHA		
		3. C	OMPOSITI	ON & ING	GREDI	AC		ORN	EXPO	SURE L	IMITS II		A .	
						AC pr	GIH om	ES-	EXPO NOHSO ppm ES-	SURE L		OSH/ ppm		
	ICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	AC pr TLV	GIH om STEL	ES- TWA	EXPO NOHSO ppm ES- STEL	ES- PEAK	PEL	OSH/ ppm STEL	IDLH	OTHER
						AC pr	GIH om	ES-	EXPO NOHSO ppm ES-	SURE L		OSH/ ppm		OTHER
WATE		CAS No.	RTECS No.	EINECS No.	%	AC pr TLV	GIH om STEL	ES- TWA	EXPO NOHSO ppm ES- STEL	ES- PEAK	PEL	OSH/ ppm STEL	IDLH	OTHER
WATE TETR	ER	CAS No. 7732-18-5 7320-34-5 Eye Irrit. 2; H	RTECS No. NA JL6735000 319	EINECS No. 231-791-2 230-785-7	% 60-100	AC pr TLV NE	GIH om STEL NE	ES- TWA NF	EXPO NOHSO ppm ES- STEL NF	ES- PEAK	PEL NE	OSH/ ppm STEL NE	IDLH NE	OTHER
WATE FETR PYRC	APOTASSIUM PHOSPHATE	CAS No. 7732-18-5 7320-34-5 Eye Irrit. 2; H 68131-39-5	RTECS No. NA JL6735000 319 NA	EINECS No. 231-791-2 230-785-7 500-195-7	% 60-100 7-13 1-5	AC pr TLV NE	GIH om STEL NE	ES- TWA NF	EXPO NOHSO ppm ES- STEL NF	ES- PEAK	PEL NE	OSH/ ppm STEL NE	IDLH NE	OTHER
WATE FETR PYRC	APOTASSIUM	CAS No. 7732-18-5 7320-34-5 Eye Irrit. 2; H 68131-39-5 Aquatic Acut	RTECS No. NA JL6735000 319 NA e 1; Aquatic Chron	EINECS No. 231-791-2 230-785-7 500-195-7 ic 3; H400, H412	% 60-100 7-13 1-5 2	AC pp TLV NE NA	GIH om STEL NE NA	ES- TWA NF NF	EXPO NOHSC ppm ES- STEL NF NF	SURE L ES- PEAK NF NF	PEL NE NA	OSH/ ppm STEL NE NA	IDLH NE NA	OTHER
WATE FETR PYRC ETHC	APOTASSIUM PHOSPHATE	CAS No. 7732-18-5 7320-34-5 Eye Irrit. 2; H 68131-39-5 Aquatic Acut 08002-61-9	RTECS No. NA JL6735000 319 NA 2 1; Aquatic Chron NA	EINECS No. 231-791-2 230-785-7 500-195-7 ic 3; H400, H412 NA	% 60-100 7-13 1-5 2 1-5	AC pr TLV NE	GIH om STEL NE NA	ES- TWA NF NF	EXPO NOHSO ppm ES- STEL NF	ES- PEAK NF	PEL NE NA	OSHA ppm STEL NE NA	IDLH NE NA	OTHER
VATE TETR PYRC ETHC	APOTASSIUM PHOSPHATE XYLATED ALCOHOL	CAS No. 7732-18-5 7320-34-5 Eye Irrit. 2; H 68131-39-5 Aquatic Acut 1ND 68002-61-9	RTECS No. NA JL6735000 319 NA e 1; Aquatic Chron	EINECS No. 231-791-2 230-785-7 500-195-7 ic 3; H400, H412 NA	% 60-100 7-13 1-5 2 1-5	AC pp TLV NE NA	GIH om STEL NE NA	ES- TWA NF NF	EXPO NOHSC ppm ES- STEL NF NF	SURE L ES- PEAK NF NF	PEL NE NA	OSH/ ppm STEL NE NA	IDLH NE NA	OTHER
WATE FETR PYRC ETHC	APOTASSIUM PHOSPHATE XYLATED ALCOHOL	CAS No. 7732-18-5 7320-34-5 Eye Irrit. 2; H 68131-39-5 Aquatic Acut 1ND 68002-61-9	RTECS No. NA JL6735000 319 NA e 1; Aquatic Chron NA lermal) 4; Acute To	EINECS No. 231-791-2 230-785-7 500-195-7 ic 3; H400, H412 NA xx. (inhl.) 4; H31;	% 60-100 7-13 1-5 2 1-5 2, H332	AC PP TLV NE NA	GIH om STEL NE NA NA	ES- TWA NF NF	EXPO NOHSC ppm ES- STEL NF NF	SURE L ES- PEAK NF NF	PEL NE NA	OSH/ ppm STEL NE NA	IDLH NE NA	OTHER
WATE TETR PYRC ETHC QUAT	APOTASSIUM PHOSPHATE XYLATED ALCOHOL ERNARY AMINE COMPOL	CAS No. 7732-18-5 7320-34-5 Eye Irrit. 2; H 68131-39-5 Aquatic Acutt 58002-61-9 Acute Tox. (c	RTECS No. NA JL6735000 319 NA e 1; Aquatic Chron NA lermal) 4; Acute To 4.	EINECS No. 231-791-2 230-785-7 500-195-7 ic 3; H400, H412 NA x. (inhl.) 4; H31: FIRST AI	% 60-100 7-13 1-5 2 1-5 2, H332 D ME	AC PF TLV NE NA NA	GIH STEL NE NA NA NA RES	ES- TWA NF NF NF	EXPO NOHSC ppm ES- STEL NF NF	SURE L ES- PEAK NF NF NF	PEL NE NA NA	OSH/ ppm STEL NE NA	IDLH NE NA NA	
WATE TETR PYRC ETHC	APOTASSIUM PHOSPHATE XYLATED ALCOHOL	CAS No. 7732-18-5 7320-34-5 Eye Irrit. 2; H 68131-39-5 Aquatic Acute 58002-61-9 Acute Tox. (construction) Acute Tox. (construction)	RTECS No. NA JL6735000 319 NA e 1; Aquatic Chron NA lermal) 4; Acute To 4.	EINECS No. 231-791-2 230-785-7 500-195-7 ic 3; H400, H412 NA xx. (inhl.) 4; H312 FIRST AI	% 60-100 7-13 1-5 2, H332 D ME A Contact Cl	AC PF TLV NE NA NA NA NA NA	GIH STEL NE NA NA NA RES EC +1 (ES- TWA NF NF NF NF 800) 4	EXPO NOHSC ppm ES- STEL NF NF NF NF	SURE L ES- PEAK NF NF NF NF	PEL NE NA NA	OSH/ ppm STEL NE NA NA	IDLH NE NA NA NA	
WATE FETR PYRC ETHC	APOTASSIUM PHOSPHATE XYLATED ALCOHOL ERNARY AMINE COMPOL	CAS No. 7732-18-5 7320-34-5 Eye Irrit. 2; H 68131-39-5 Aquatic Acut JND 68002-61-9 Acute Tox. (c Ingestion: DC loc	RTECS No. NA JL6735000 319 NA e 1; Aquatic Chron NA lermal) 4; Acute To 4. D NOT INDUCE al emergency to	EINECS No. 231-791-2 230-785-7 500-195-7 ic 3; H400, H412 NA xx. (inhl.) 4; H31: FIRST AI VOMITING. C elephone num	% 60-100 7-13 1-5 2 1-5 2, H332 D ME A Contact Chaber for a	AC PF TLV NE NA NA NA NA NA NA	GIH STEL NE NA NA NA RES ac +1 (acc an	ES- TWA NF NF NF NF 800) 4 instr	EXPO NOHSC ppm ES- STEL NF NF NF NF 24-930 ruction	SURE L ES- PEAK NF NF NF NF 00 or th s. Se	PEL NE NA NA NA	OSH/ ppm STEL NE NA NA NA	IDLH NE NA NA NA oison C te medi	ontrol Center of cal attention.
WATE PYRC ETHC	APOTASSIUM PHOSPHATE XYLATED ALCOHOL ERNARY AMINE COMPOL	CAS No. 7732-18-5 7320-34-5 Eye Irrit. 2; H 68131-39-5 Aquatic Acut JND 68002-61-9 Acute Tox. (c Ingestion: DC loc	RTECS No. NA JL6735000 319 NA e 1; Aquatic Chron NA lermal) 4; Acute To 4. O NOT INDUCE al emergency to niting occurs spi	EINECS No. 231-791-2 230-785-7 500-195-7 ic 3; H400, H412 NA xx. (inhl.) 4; H31: FIRST AI VOMITING. C elephone num ontaneously, k	% 60-100 7-13 1-5 2 1-5 2, H332 D ME A Contact Chaber for a keep victin	AC PF TLV NE NA NA NA NA NA NA NA NA	GIH STEL NE NA NA NA RES ac +1 (ace an d lowe	ES- TWA NF NF NF NF 800) 4 d instr ered (fo	EXPO NOHSC ppm ES- STEL NF NF NF NF 24-930 ruction	SURE L ES- PEAK NF NF NF NF 00 or th s. Se) to red	PEL NE NA NA NA	OSH/ ppm STEL NE NA NA NA	IDLH NE NA NA NA oison C te medi of aspir	ontrol Center of cal attention.
WATE PYRC ETHC	APOTASSIUM PHOSPHATE XYLATED ALCOHOL ERNARY AMINE COMPOL	CAS No. 7732-18-5 7320-34-5 Eye Irrit. 2; H 68131-39-5 Aquatic Acut JND 68002-61-9 Acute Tox. (c Ingestion: DC loc voi Eyes: If p	RTECS No. NA JL6735000 319 NA e 1; Aquatic Chron NA lermal) 4; Acute To 4. D NOT INDUCE al emergency to	EINECS No. 231-791-2 230-785-7 500-195-7 ic 3; H400, H412 NA x. (inhl.) 4; H31: FIRST AI VOMITING. C elephone num ontaneously, k e eyes, flush c	% 60-100 7-13 1-5 2 1-5 2, H332 D ME A Contact Chaber for a keep victin eyes thorc	AC PF TLV NE NA NA NA NA NA NA NA NA NA NA	GIH STEL NA NA NA NA RES ac +1 (ace an ad lowe with cc	ES- TWA NF NF NF NF 800) 4 d instr ered (fo pious	EXPO NOHSC ppm ES- STEL NF NF NF 24-93(uction prward amour	SURE L ES- PEAK NF NF NF NF OU or th s. Se) to red	PEL NE NA NA NA NA NA	OSH/ ppm STEL NA NA NA NA	IDLH NE NA NA NA oison C te medi of aspir ast 15 r	ontrol Center of cal attention. ation.
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WATE PYRC ETHC	APOTASSIUM PHOSPHATE XYLATED ALCOHOL ERNARY AMINE COMPOL	CAS No. 7732-18-5 7320-34-5 Eye Irrit. 2; H 68131-39-5 Aquatic Acut 68002-61-9 Acute Tox. (c loc loc loc loc sol <u>Eyes</u> : If p eyy a p Skin: Re	RTECS No. NA JL6735000 319 NA 1; Aquatic Chron NA lermal) 4; Acute To 4. NOT INDUCE al emergency to niting occurs spo roduct gets in th elid(s) open to en hysician or eme move contamina	EINECS No. 231-791-2 230-785-7 500-195-7 ic 3; H400, H412 NA xx. (inhl.) 4; H31: FIRST AII VOMITING. C elephone num ontaneously, k e eyes, flush e nsure complete rgency room in ated clothing a	% 60-100 7-13 1-5 2, H332 DMEA Contact Ch aber for a ceep victin eyes thorce e flushing mmediate nd wash a	AC PF TLV NE NA NA NA NA NA NA SUF nemTre ssistan n's hea vughly v. If the ly.	GIH STEL NE NA NA NA NA NA RES ec +1 (ince an ind lower with cc eyes of d areas	ES- TWA NF NF NF NF 800) 4 d instreed (fo ppious or face s with s	EXPO NOHSC ppm Es- STEL NF NF NF NF 24-930 ruction orward amour becor soap a	SURE L PEAK NF NF NF NF NF NF NF NF NF NF NF NF NF	PEL NE NA NA NA NA NA NA ek im duce til vater fr duce til vater fr duce til	OSH/ ppm STEL NE NA NA NA INA INA INA INA INA INA INA IN	IDLH NE NA NA NA NA NA NA NA NA NA NA NA NA NA	ontrol Center of cal attention. ration. ninutes, holdir ing use, consu
WATE FETR PYRC ETHC	APOTASSIUM PHOSPHATE XYLATED ALCOHOL ERNARY AMINE COMPOL	CAS No. 7732-18-5 7320-34-5 Eye Irrit. 2; H 68131-39-5 Aquatic Acut JND 68002-61-9 Acute Tox. (c Understand Eyes: Ingestion: DC Skin: Skin:	RTECS No. NA JL6735000 319 NA a 1: Aquatic Chron NA lermal) 4: Acute To 4. O NOT INDUCE al emergency to niting occurs spo roduct gets in th elid(s) open to en hysician or eme move contamina n reaction worse	EINECS No. 231-791-2 230-785-7 500-195-7 ic 3; H400, H412 NA ox. (inhl.) 4; H31: FIRST AII VOMITING. C elephone num ontaneously, k ie eyes, flush e nsure complete rgency room in ated clothing a ens, contact a	% 60-100 7-13 1-5 2, H332 DMEA Contact Ch aber for a ceep victin eyes thorce e flushing mmediate nd wash a	AC PF TLV NE NA NA NA NA NA NA SUF nemTre ssistan n's hea vughly v. If the ly.	GIH STEL NE NA NA NA NA NA RES ec +1 (ince an ind lower with cc eyes of d areas	ES- TWA NF NF NF NF 800) 4 d instreed (fo ppious or face s with s	EXPO NOHSC ppm Es- STEL NF NF NF NF 24-930 ruction orward amour becor soap a	SURE L PEAK NF NF NF NF NF NF NF NF NF NF NF NF NF	PEL NE NA NA NA NA NA NA ek im duce til vater fr duce til vater fr duce til	OSH/ ppm STEL NE NA NA NA INA INA INA INA INA INA INA IN	IDLH NE NA NA NA NA NA NA NA NA NA NA NA NA NA	ontrol Center of cal attention. ration. ninutes, holdin ing use, consu
VATE PYRC ETHC	APOTASSIUM PHOSPHATE XYLATED ALCOHOL ERNARY AMINE COMPOL	CAS No. 7732-18-5 7320-34-5 Eye Irrit. 2; H 68131-39-5 Aquatic Acut 68002-61-9 Acute Tox. (c loc VOI Eyes: If p eyy a p Skin: Ret Skin Ret Skin	RTECS No. NA JL6735000 319 NA a 1: Aquatic Chron NA lermal) 4; Acute To 4. NOT INDUCE al emergency to miting occurs sporoduct gets in th elid(s) open to en hysician or eme move contamina n reaction worse en properly clear	EINECS No. 231-791-2 230-785-7 500-195-7 ic 3; H400, H412 NA ox. (inhl.) 4; H31: FIRST AII VOMITING. C elephone num ontaneously, k ie eyes, flush c nsure complete rgency room in ated clothing a ens, contact a ned.	60-100 7-13 1-5 2 1-5 2, H332 DMEA Contact Ch aber for a contact Ch ber for a contact Ch contact Ch ber for a contact Ch contact Ch con	AC PF TLV NE NA NA NA NA NA SUF Ssistan n's hea ughly v . If the ly. affected n imme	GIH STEL NE NA NA NA NA NA NA RES ec +1 (icce and d lowe with cce eyes of d areas eclately	ES- TWA NF NF NF NF 800) 4. d instr ered (fo pious or face s with s y. Do r	EXPO NOHSC ppm Es- STEL NF NF NF NF 24-930 uction prward amour becor soap a not we	SURE L PEAK NF NF NF NF NF NF NF NF NF NF NF NF OU or the s. Se to red ots of v me swo	PEL NE NA NA NA NA NA e ne nea ek im duce ti vater fr duce ti tamina	OSH/ ppm STEL NE NA NA NA NA NA Inerisk pratile uring c discon	IDLH NE NA NA NA NA NA NA NA NA NA NA NA NA NA	ontrol Center of ical attention. ration. ninutes, holdin ing use, consu
VATE PYRC ETHC	APOTASSIUM PHOSPHATE XYLATED ALCOHOL ERNARY AMINE COMPOL	CAS No. 7732-18-5 7320-34-5 Eye Irrit. 2; H 68131-39-5 Aquatic Acut 68002-61-9 Acute Tox. (c loc voi Eyes: If p eye Skin: Ret Skin: Ret skii	RTECS No. NA JL6735000 319 NA a 1: Aquatic Chron NA lermal) 4; Acute To 4. NOT INDUCE al emergency to miting occurs sporoduct gets in th elid(s) open to en hysician or eme move contamina n reaction worse en properly clean move victim to f	EINECS No. 231-791-2 230-785-7 ic 3; H400, H412 NA ox. (inhl.) 4; H31: FIRST AII VOMITING. C elephone num ontaneously, k re eyes, flush c nsure complete rgency room in tated clothing a ens, contact a ned. iresh air at onc	60-100 7-13 1-5 2 1-5 2, H332 DMEA Contact Ch aber for a cep victim eyes thorco e flushing mmediate nd wash a physician ce. Under	AC PF TLV NE NA NA NA NA NA SUF Ssistan n's hea ughly v . If the ly. affected n imme	GIH STEL NE NA NA NA NA NA NA RES ec +1 (icce and d lowe with cce eyes of d areas eclately	ES- TWA NF NF NF NF 800) 4. d instr ered (fo pious or face s with s y. Do r	EXPO NOHSC ppm Es- STEL NF NF NF NF 24-930 uction prward amour becor soap a not we	SURE L PEAK NF NF NF NF NF NF NF NF NF NF NF NF OU or the s. Se to red ots of v me swo	PEL NE NA NA NA NA NA e ne nea ek im duce ti vater fr duce ti tamina	OSH/ ppm STEL NE NA NA NA NA NA Inerisk pratile uring c discon	IDLH NE NA NA NA NA NA NA NA NA NA NA NA NA NA	ontrol Center of ical attention. ration. ninutes, holdin ing use, consu
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WATE TETR PYRC ETHC QUAT	APOTASSIUM PHOSPHATE XYLATED ALCOHOL ERNARY AMINE COMPOL	CAS No. 7732-18-5 7320-34-5 Eye Irrit. 2; H 68131-39-5 Aquatic Acute JND 68002-61-9 Acute Tox. (c Ingestion: Eyes: If p Skin: Skin: Re Inhalation: Re See	RTECS No. NA JL6735000 319 NA e 1; Aquatic Chron NA lermal) 4; Acute To 4. O NOT INDUCE al emergency to miting occurs spi roduct gets in th elid(s) open to en hysician or eme move contamina n reaction worsa en properly clean move victim to f ek immediate m tation or possible	EINECS No. 231-791-2 230-785-7 500-195-7 ic 3; H400, H412 NA x. (inhl.) 4; H312 FIRST AI VOMITING. C elephone num ontaneously, k re eyes, flush e nsure complete rgency room in ated clothing a ens, contact a ned. resh air at once edical attention e burns upon c	% 60-100 7-13 1-5 2, H332 D ME D ME D ME D ME Seep victin ayes thorce e flushing mmediate nd wash a 1 physicial ce. Under n. direct cont	AC PF TLV NE NA NA NA NA NA NA SUF Ssistan n's hea ughly v offected n imme r extrer	GIH STEL NE NA NA NA NA NA NA NA NA NA A A A A A A A A A A A A A	ES- TWA NF NF NF NF NF 800) 4 d instr ered (fo pious or face s with s y. Do r nditions	EXPO NOHSC Ppm ES- STEL NF NF NF 24-930 uction orward amour becor soap a not we s, if bro	SURE L PEAK NF NF NF NF NF NF 00 or th s. Se) to red ts of v me swo nd wat ar con eathing damag	PEL NE NA NA NA NA NA NA NA Stops g stops e.	OSH/ ppm STEL NA NA NA NA NA Instruction NA NA NA NA NA NA NA NA NA NA	IDLH NE NA NA NA NA oison C- te medi of aspir ast 15 r or follow nfort per othing u	ontrol Center of cal attention. ration. ninutes, holdin ing use, consu rsists and/or th until after it ha ficial respiratio
WATE TETR PYRC ETHC QUAT	APOTASSIUM PHOSPHATE DXYLATED ALCOHOL TERNARY AMINE COMPOL First Aid:	CAS No. 7732-18-5 7320-34-5 Eye Irrit. 2; H 68131-39-5 Aquatic Acut JND 68002-61-9 Acute Tox. (c Ingestion: DC Skin: Re Skin: Free Skin: Free	RTECS No. NA JL6735000 319 NA e 1; Aquatic Chron NA lermal) 4; Acute To the state of the state of NOT INDUCE al emergency to miting occurs sport roduct gets in the elid(s) open to en hysician or eme move contamina n reaction worse en properly clean move victim to f ek immediate m tation or possible equent or prolong	EINECS No. 231-791-2 230-785-7 500-195-7 ic 3; H400, H412 NA x. (inhl.) 4; H312 FIRST AI VOMITING. C elephone num ontaneously, k re eyes, flush e nsure complete rgency room in ated clothing a ens, contact a ned. resh air at once edical attention e burns upon c	% 60-100 7-13 1-5 2, H332 D ME D ME D ME D ME Seep victin ayes thorce e flushing mmediate nd wash a 1 physicial ce. Under n. direct cont	AC PF TLV NE NA NA NA NA NA NA SUF Ssistan n's hea ughly v offected n imme r extrer	GIH STEL NE NA NA NA NA NA NA NA NA NA A A A A A A A A A A A A A	ES- TWA NF NF NF NF NF 800) 4 d instr ered (fo pious or face s with s y. Do r nditions	EXPO NOHSC Ppm ES- STEL NF NF NF 24-930 uction orward amour becor soap a not we s, if bro	SURE L PEAK NF NF NF NF NF NF 00 or th s. Se) to red ts of v me swo nd wat ar con eathing damag	PEL NE NA NA NA NA NA NA NA Stops g stops e.	OSH/ ppm STEL NA NA NA NA NA Instruction NA NA NA NA NA NA NA NA NA NA	IDLH NE NA NA NA NA oison C- te medi of aspir ast 15 r or follow nfort per othing u	ontrol Center of cal attention. ration. ninutes, holdin ing use, consu rsists and/or th until after it ha ficial respiratio
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BIRCHWOOD TECHNOLOGIES

SAFETY DATA SHEET

Page 2 of 6 **BTI-040**

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Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards

SDS Revision: 3.0 SDS Revision Date: 2/13/2022

1.4	A suite Llegith Effectes								1 10 10		
1.4	Acute Health Effects:	Irritation or possible burns upon sensitization with certain individuals	S.				Ũ	,		•	
.5	Chronic Health Effects:	Irritation and possible skin sensitization with certain individuals. Prolonged or repeated skin exposure may cause de						cause dei	rmati		
6	Target Organs:	Eyes, skin, respiratory system.									
7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin					-				3
	riggiavatou by Exposure.	target organs (eyes, skin, and res					ABILIT	Υ			0
		exposure those individuals that are	susceptible	to dermatiti	s, asthma				~		-
		or bronchitis.				PHYSIC			-		0
						PROTE	CTIVE	EQUIP	MENT		В
						EYES	SKI	Ν			
						•					
		5. FIREF	IGHTIN								
.1	Fire & Explosion Hazards:	Water-based product. Non-flammat					iro				
.1	Extinguishing Methods:	Carbon dioxide, foam, water spray,									
	· · ·										
3	Firefighting Procedures:	As with any fire, firefighters should w									
		approved or equivalent self-cont									0
		Hazardous decomposition products									\checkmark
		carbon, and/or nitrogen, hydrocarbo									/
		Prevent runoff from fire control or di	lution from er	ntering sewe	rs, drains	, drinking wa	ater supp	oly, or a	ny	\sim	
		natural waterway.									
		6. ACCIDENT	FAL REL	EASE N	IEASU	JRES					
.1	Spills:	Before cleaning any spill or leak, ind	lividuals invol	ved in spill o	leanup m	ust wear app	propriate	e Persor	nal Prote	ective Equ	uipm
		(PPE). Use safety glasses or safet									
		etc.) to prevent skin contact.	, , ,		, 0		•		0.	0 / 1	,
		, ,									
		Large Spills: Keen incompatible m	aterials (e d	organics su	ich as oil)	away from s	snill St	av unwii	nd and a	away from	n sni
		Large Spills: Keep incompatible ma									
		release. Isolate immediate hazard	area and kee	p unauthoriz	ed persor	nnel out of ar	rea. Sto	p spill o	r release	e if it can	be d
		release. Isolate immediate hazard with minimal risk. Wear appropriat	area and kee	p unauthoriz equipment i	ed persor	nnel out of ar espiratory pr	rea. Sto rotectior	p spill o n as cor	r release ditions v	e if it can l warrant. I	be d Reco
		release. Isolate immediate hazard a with minimal risk. Wear appropriat as much free liquid as possible and	area and kee e protective of l collect in aci	p unauthoriz equipment i	ed persor	nnel out of ar espiratory pr	rea. Sto rotectior	p spill o n as cor	r release ditions v	e if it can l warrant. I	be d Reco
		release. Isolate immediate hazard with minimal risk. Wear appropriat	area and kee e protective of l collect in aci	p unauthoriz equipment i	ed persor	nnel out of ar espiratory pr	rea. Sto rotectior	p spill o n as cor	r release ditions v	e if it can l warrant. I	be d Reco
		release. Isolate immediate hazard a with minimal risk. Wear appropriat as much free liquid as possible and	area and kee e protective e l collect in aci ce waters.	p unauthoriz equipment in id-resistant o	ed persor ncluding r container.	nnel out of ar espiratory pr Use absorb	rea. Sto rotectior	p spill o n as cor	r release ditions v	e if it can l warrant. I	be d Reco
·.1	Work & Hygiene Practices:	release. Isolate immediate hazard a with minimal risk. Wear appropriat as much free liquid as possible and liquid directly into a sewer or surfac	area and kee e protective e l collect in aci ce waters.	p unauthoriz equipment in id-resistant o	ed persor ncluding r container.	nnel out of ar espiratory pr Use absorb	rea. Sto rotectior	p spill o n as cor	r release ditions v	e if it can l warrant. I	be d Reco
·.1	Work & Hygiene Practices:	release. Isolate immediate hazard a with minimal risk. Wear appropriat as much free liquid as possible and liquid directly into a sewer or surfac	area and kee e protective e l collect in aci ce waters.	p unauthoriz equipment in id-resistant o	ed persor ncluding r container.	nnel out of ar espiratory pr Use absorb	rea. Sto rotectior	p spill o n as cor	r release ditions v	e if it can l warrant. I	be d Reco
.1	Work & Hygiene Practices:	release. Isolate immediate hazard a with minimal risk. Wear appropriat as much free liquid as possible and liquid directly into a sewer or surfac	area and kee e protective e l collect in aci ce waters.	p unauthoriz equipment in id-resistant o	ed persor ncluding r container.	nnel out of ar espiratory pr Use absorb	rea. Sto rotectior	p spill o n as cor	r release ditions v	e if it can l warrant. I	be d Reco
	Work & Hygiene Practices: Storage & Handling:	release. Isolate immediate hazard a with minimal risk. Wear appropriat as much free liquid as possible and liquid directly into a sewer or surfact 7. HANDLING	area and kee e protective of l collect in aci e waters. & STOR	p unauthoriz equipment in id-resistant o AGE IN	red persor ncluding r container.	nnel out of ar espiratory pr Use absorb	rea. Sto rotectior ent to pi	p spill o n as cor ick up re	r release	e if it can warrant. I Avoid disc	be d Reco charç
		release. Isolate immediate hazard a with minimal risk. Wear appropriat as much free liquid as possible and liquid directly into a sewer or surfact 7. HANDLING Use and store in a cool, dry, well-ver	area and kee e protective of l collect in aci e waters. & STOR.	p unauthoriz equipment in d-resistant of AGE IN	red persor ncluding r container. FORM	ATION	rea. Sto rotectior ent to pi	vay from	r release nditions v esidue. <i>A</i>	e if it can warrant. I Avoid disc	be d Reco char
		release. Isolate immediate hazard a with minimal risk. Wear appropriat as much free liquid as possible and liquid directly into a sewer or surfact 7. HANDLING	area and kee e protective of l collect in aci e waters. & STOR ntilated location tances (see S	p unauthoriz equipment in d-resistant of AGE IN on (e.g., loca Section 10).	red persor ncluding r container. FORM	ATION	rea. Sto rotectior ent to pi	vay from	r release nditions v esidue. <i>A</i>	e if it can warrant. I Avoid disc	be d Reco char
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2	Storage & Handling: Special Precautions:	release. Isolate immediate hazard a with minimal risk. Wear appropriat as much free liquid as possible and liquid directly into a sewer or surface 7. HANDLING Use and store in a cool, dry, well-ver Keep away from incompatible subst Empty containers may retain hazard	area and kee the protective of collect in aci- the waters. & STOR ntilated location tances (see S dous product ROLS &	p unauthoriz equipment in d-resistant of AGE IN on (e.g., loca Section 10). residues.	FORM	ATION ATION Eventilation, i pontainers from	fans) aw	y spill on as con ick up re vay from cal dam	r release nditions v esidue. <i>A</i>	e if it can warrant. F Avoid disc	be d Reco charç
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		9. PHYSICAL & CHEMICAL PROPERTIES
9.1	Appearance:	Clear, colorless liquid
9.2	Odor:	Mild surfactant odor
9.3	Odor Threshold:	NA
9.4	pH:	14.0
9.5	Melting Point/Freezing Point:	NA
9.6	Initial Boiling Point/Boiling 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:	1.12
9.12	Solubility:	Complete (water)
9.13	Partition Coefficient (log Pow):	NA
9.14	Autoignition Temperature:	NA
9.15	Decomposition Temperature:	NA
9.16	Viscosity:	
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. TOXICOLOGICAL INFORMATION
11.1	Routes of Entry:	Inhalation: YES Absorption: YES Ingestion: NO
11.2	Toxicity Data:	<u>Tetrapotassium Pyrophosphate</u> : LD ₅₀ (dermal, rabbit) > 4,640 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 cause 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:	No data available.
12.2	Effects on Plants & Animals:	No data available.
12.3	Effects on Aquatic Life:	No data available.
	· · ·	
		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, ar
		federal laws and regulations. Contact the appropriate agency for specific information. Treatment, transport, storage an
		disposal of hazardous waste must be provided by a licensed facility or waste hauler.



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		14. TRANSPORTATION INFORMATION
The	basic description (ID Num	ber, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional
desc		required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.
14.1	49 CFR (GND):	UN1760, CORROSIVE LIQUIDS, N.O.S. (tetrapotassium pyrophosphate), 8, III, LTD QTY (IP VOL ≤ 5.0 L)
14.2	IATA (AIR):	UN1760, CORROSIVE LIQUIDS, N.O.S. (tetrapotassium pyrophosphate), 8, III, LTD QTY (IP VOL ≤ 0.5 L)
14.3	IMDG (OCN):	(III VOL ≤ 1.0 L) UN1760, CORROSIVE LIQUIDS, N.O.S. (tetrapotassium pyrophosphate), 8, III, LTD QTY (IP VOL ≤ 5.0 L)
14.4	TDGR (Canadian GND):	UN1760, CORROSIVE LIQUIDS, N.O.S. (tetrapotassium pyrophosphate), 8, III, LTD QTY (IP VOL ≤ 5.0 L)
14.5	ADR/RID (EU):	(III VOL ≤ 0.0 L) UN1760, CORROSIVE LIQUIDS, N.O.S. (tetrapotassium pyrophosphate), 8, III, LTD QTY (IP VOL ≤ 5.0 L)
14.6	SCT (MEXICO):	UN1760, LIQUIDOS CORROSIVOS, N.E.P. (pirofosfato de potassio), 8, III, CANTIDAD LIMITADA (IP VOL ≤ 5.0 L)
14.7	ADGR (AUS):	UN1760, CORROSIVE LIQUIDS, N.O.S. (tetrapotassium pyrophosphate), 8, III, LTD QTY (IP VOL ≤ 5.0 L)
	11	
		15. REGULATORY INFORMATION
15.1	SARA Reporting Requirements:	This product does not contain any substances subject to SARA Title III, section 313 reporting requirements.
15.2	SARA TPQ:	NA
15.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.
15.4	CERCLA Reportable Quantity:	Tetrapotassium Pyrophosphate: RQ 100 lbs (45.4 kg)
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. WHMIS Class E (Corrosive Material), Class D2B (Materials Causing Other Toxic Effects).
15.7	State Regulatory Information:	Tetrapotassium Pyrophosphate is found on the following state criteria lists: New Jersey Right-to-Know List (NJ), and Pennsylvania Right-to-Know List (PA). None of the ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the followin state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxi Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesot 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 Substance 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.
15.8	Other Requirements:	This product is found on the following inventory lists: Australia - AICS, China – IECSC, Europe – ELINCS/EINEC, Japan – ENCS; Korea – KECI; New Zealand – NZIoC; {Philippines – PICCS; USA – TSCA.

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	16. OTHER INFORMATION						
16.1	Other Information:	breathing dust/fume/gas/mist/vapors/spray. Wash a well-ventilated area. Wear protective gloves/pro and water. Get medical help. IF INHALED: Remo help. IF IN EYES: Rinse cautiously with water for Continue rinsing. If eye irritation persist: Get med	KIN OR IN INHALED. CAUSES SERIOUS EYE IRRITATION. Avoid in thoroughly with soap and water after handling. Use only outdoors or in betective clothing, eye protection. IF ON SKIN: Wash with plenty of soap ove person to fresh air and keep comfortable for breathing. Get medical or several minutes. Remove contact lenses, if present and easy to do. ical help. Specific treatment see section 4 (First Aid), of this SDS or this and wash it before reuse. KEEP OUT OF REACH OF CHILDREN .				
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.					
16.3	Disclaimer:	government regulations must be reviewed for a Technologies' knowledge, the information contai suitability or completeness is not guaranteed and The information contained herein relates only to the	SHA's Hazard Communication Standard, 29 CFR §1910.1200. Other applicability to this product. To the best of ShipMate's & Birchwood ned herein is reliable and accurate as of this date; however, accuracy, d no warranties of any type, either expressed or implied, are provided. he specific product(s). If this product(s) is combined with other materials, Data may be changed from time to time. Be sure to consult the latest				
16.4	Prepared for:	Birchwood Technologies 7900 Fuller Road Eden Prairie, MN 55344 USA Tel: +1 (952) 937-7900 Fax: +1 (952) 937-7979 http://www.birchwoodtechnologies.com	BIRCHWOOD TECHNOLOGIES				
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	ShipMate Dangerous Goods Training & Consulting				



SAFETY DATA SHEET

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Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards

SDS Revision: 3.0 SDS Re

SDS Revision Date: 2/13/2022

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:

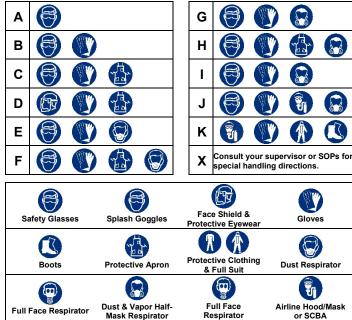
CPR	Cardiopulmonary resuscitation - method in which a person whose heart has
	stopped receives manual chest compressions and breathing to circulate blood
	and provide oxygen to the body.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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

PERSONAL PROTECTION RATINGS:



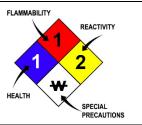
OTHER STANDARD ABBREVIATIONS:

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

FLAMMABILI	TY 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	FL
1	Slight Hazard	FL.
2	Moderate Hazard	
3	Severe Hazard	
4	Extreme Hazard	
ACD	Acidic	
ALK	Alkaline	
COR	Corrosive	/
W	Use No Water	HE
OX	Oxidizer	
TREEOII	Radioactive	



TOXICOLOGICAL INFORMATION:

LD ₅₀	LD ₅₀ Lethal Dose (solids & liquids) which kills 50% of the exposed animals		
LC ₅₀ Lethal concentration (gases) which kills 50% of the exposed ar			
ppm	ppm Concentration expressed in parts of material per million parts		
TD _{lo}	TD _{I0} Lowest dose to cause a symptom		
TCLo	Lowest concentration to cause a symptom		
TD _{lo} , LD _{lo} , & LD _o or	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		
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			
тс	Transport Canada			
EPA	U.S. Environmental Protection Agency			
DSL	Canadian Domestic Substance List			
NDSL	Canadian Non-Domestic Substance List			
PSL	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:

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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:

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