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

SDS Revision: 1.0

SDS Revision Date: 3/3/2021

		1. P	RODUC	Г & СОМ	PANY	IDEN		ICA	TIOI	N				
1.1	Product Name:	STAR		L POLIS	H									
1.2	Chemical Name:	Mixture												
1.3	Synonyms:	Metal Polis	sh											
1.4	Trade Names:	Starke Met	tal Polish											
1.5	Product Use:	Marine Me	tal Polish											
1.6	Distributor's Name:	Starke Yac	ht Surface Te	echnologies										
1.7	Distributor's Address:	17000 Alice	o Commerce	Ct., Suite 101	, Fort Mye	ers, FL :	33912							
1.8	Emergency Phone:	John Wa	atkins +1 (239) 851-6	030									
1.9	Business Phone / Fax:	+1 (800) 20)3-5315	-										
	·													
2.1	Hazard Identification:													0== 1010.10
2.1		Canadian V DANGER! CAUSES S	WHMIS and A MAY BE FA SERIOUS EY	Australian Wor TAL IF SWAI E IRRITATIO	k Health a L LOWED N.	and Saf AND E	ety.							CFR 1910.12
2.2	Label Elements:	Hazard Sta Causes mi Precaution P280 – We – IF SWAI vomiting. F Remove co irritation pe	Classification: Asp. Tox. 1; Skin Irrit 3, Eye Irrit. 2A Hazard Statements (H):H304 – May be fatal if swallowed and enters the airways. H316 – Causes mild skin irritation. H319 – Causes severe eye irritation. Precautionary Statements (P): P264 – Wash thoroughly with soap and water after handling. P280 – Wear protective gloves/protective clothing/eye protection. P301+P310 – IF SWALLOWED: Immediately call a POISOIN CENTER/doctor. P331 – Do NOT induce vomiting. P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue Rinsing. P337+P313 – If eye irritation persists: Get medical advice/attention. P308+P313 – If exposed or concerned: Get medical advice/attention. P391 – Collect spillage. P405 – Store locked up. P501 – Dispose of											
2.3	Other Warnings:	State of 0	RNING: This p California to											h is known to
		KEEP OU	5Warnings.ca T OF REACH	<u>a.gov</u> . I OF CHILDRI	EN				·					
		KEEP OU	5Warnings.ca T OF REACH	<u>a.gov</u> .	EN				/ATI	ON				
		KEEP OU	5Warnings.ca T OF REACH	<u>a.gov</u> . I OF CHILDRI	EN	ENT	INF	ORN		ON		AIR (m		
		KEEP OU	5Warnings.ca T OF REACH	<u>a.gov</u> . I OF CHILDRI	EN		INF SIH	ORN		ON		AIR (mg OSHA		
CHEM	ICAL NAME(S)	KEEP OU	5Warnings.ca T OF REACH	<u>a.gov</u> . I OF CHILDRI	EN	ENT ACC PP	INF SIH			ON		AIR (m		OTHER
	· · ·	3. CON	55Warnings.cc T OF REACH		GREDI	ENT ACC PP	INF SIH		AATI EXPO NOHSC ppm ES-		MITS IN	AIR (mg OSHA ppm	g/m³)	
PROF	RIETARY	KEEP OUT 3. CON cas no.	5Warnings.ca T OF REACH MPOSITI RTECS No.	a.gov. I OF CHILDRI ON & INC EINECS No.	EN GREDI % 60-100	ENT ACC PP TLV	INF GIH m STEL NA	ORN ES- TWA NF	IATI EXPO NOHSC ppm ES- STEL NF	ES- PEAK	MITS IN PEL NA	AIR (mg OSHA ppm STEL NA	g/m³) IDLH NA	
PROF	· · ·	KEEP OUT 3. CON cas no.	55Warnings.ca T OF REACH MPOSITI MPOSITI RTECS No.		GREDI	ENT ACC PP TLV	INF GIH m STEL	ORN ES- TWA	IATI EXPO NOHSC ppm ES- STEL	ES- PEAK	MITS IN PEL	AIR (m OSHA ppm STEL	g/m ³) IDLH	
PROF DISTI HYDF	PRIETARY	KEEP OUT 3. CON cas no.	5Warnings.ca T OF REACH MPOSITI RTECS No. NA OA5504000 KQ6300000	a.gov. I OF CHILDRI ON & INC EINECS No.	EN GREDI % 60-100	ENT ACC PP TLV	INF GIH m STEL NA	ORN ES- TWA NF	IATI EXPO NOHSC ppm ES- STEL NF	ES- PEAK	MITS IN PEL NA	AIR (mg OSHA ppm STEL NA	g/m³) IDLH NA	
PROF DISTI HYDF ETHA	PRIETARY LLATES (PETROLEUM), COTREATED LIGHT NOL (SD ALCOHOL 40B)	КЕЕР ОU 3. СОМ САЅ №. КА 64742-47-8 64-17-5	5Warnings.ca T OF REACH MPOSITI RTECS No. NA OA5504000 KQ6300000	a.gov. OF CHILDRI ON & INC EINECS No. NA 265-149-8	EN GREDI % 60-100 25-50	ENT Acc pp TLV NA	INF GIH M STEL NA	ORN ES- TWA NF	AATI EXPO NOHSC ppm ES- STEL NF	ES- PEAK	MITS IN PEL NA (5)	AIR (mg OSHA ppm STEL NA NA	g/m³) IDLH NA NA	OTHER
PROF DISTI HYDF ETHA	PRIETARY LLATES (PETROLEUM), COTREATED LIGHT	KEEP OUT 3. CON CAS No. 0 64742-47-8 64-17-5 Flam.Liq.2; H 67-63-0	5Warnings.ca T OF REACH MPOSITI RTECS No. NA OA5504000 KQ6300000 225 NT8050000	a.gov. OF CHILDRI ON & INC EINECS No. NA 265-149-8 200-578-6	GREDI % 60-100 25-50 0-1	ENT ACC PP TLV NA 1000 400	INF GIH m STEL NA NA 3000	ORN ES- TWA NF NF	AATI EXPO: NOHSC ppm ES- STEL NF NF	ON SURE LI ES- PEAK NF NF	MITS IN PEL NA (5) 1000	AIR (mg OSHA ppm STEL NA NA 1900	g/m³) IDLH NA NA 3300	OTHER
PROF DISTI HYDF ETHA ISOPI	PRIETARY LLATES (PETROLEUM), ROTREATED LIGHT NOL (SD ALCOHOL 40B) ROPYL ALCOHOL	KEEP OUT 3. CON CAS No. NA 64742-47-8 64-17-5 Flam.Liq.2; H 67-63-0 Flam.Liq.2; H	5Warnings.ca T OF REACH MPOSITI RTECS No. NA OA5504000 KQ6300000 225 NT8050000	a.gov. OF CHILDRI ON & INC EINECS No. NA 265-149-8 200-578-6 200-661-7	GREDI % 60-100 25-50 0-1	ENT ACC PP TLV NA 1000 400	INF GIH m STEL NA NA 3000	ORN ES- TWA NF NF	AATI EXPO: NOHSC ppm ES- STEL NF NF	ON SURE LI ES- PEAK NF	MITS IN PEL NA (5) 1000	AIR (mg OSHA ppm STEL NA NA 1900	g/m³) IDLH NA NA 3300	OTHER
PROF DISTI HYDF ETHA ISOPI	PRIETARY LLATES (PETROLEUM), COTREATED LIGHT NOL (SD ALCOHOL 40B)	KEEP OUT 3. CON CAS No. NA 64742-47-8 64-17-5 Flam.Liq.2; H 67-63-0 Flam.Liq.2; J 55965-84-9 Eye Irrit. 2; SI	5Warnings.ca T OF REACH MPOSITI RTECS No. NA OA5504000 225 NT8050000 225 NT8050000 Eye Irrit. 2; STC NA kin Sens. 1A; H	a.gov. OF CHILDRI OF CHILDRI EINECS No. NA 265-149-8 200-578-6 200-661-7 DT SE 3; H225, NA 319, H314	GREDI % 60-100 25-50 0-1 0-1 H319, H33 0-1	ENT 	INF SiH STEL NA NA 3000 500 NA	ORN ES- TWA NF 1000 983 NF	AATI EXPO ppm ES- STEL NF NF 1880 1230 NF	SURE LI ES- PEAK NF NF NF NF	MITS IN PEL NA (5) 1000 400 NA	AIR (mg OSHA ppm STEL NA 1900 500 NA	a/m³) IDLH NA 3300 2000 NA	0THER 400
PROF DISTI HYDF ETHA ISOPI	PRIETARY LLATES (PETROLEUM), ROTREATED LIGHT NOL (SD ALCOHOL 40B) ROPYL ALCOHOL	KEEP OU 3. CON CAS No. CAS No. NA 64742-47-8 64-17-5 Flam.Liq.2; H 67-63-0 Flam.Liq.2; I 55965-84-9 Eye Irrit. 2; SI 108-10-1	5Warnings.ca T OF REACH MPOSITI RTECS No. NA OA5504000 225 NT8050000 225 NT8050000 Eye Irrit. 2; STC NA kin Sens. 1A; H SA9275000	a.gov. OF CHILDRI OF CHILDRI ON & INC EINECS No. NA 265-149-8 200-578-6 200-661-7 DT SE 3; H225, NA 319, H314 203-550-1	GREDI % 60-100 25-50 0-1 0-1 H319, H330 0-1	ENT 	INF SIH STEL NA 3000 500 NA 300	ORN ES- TWA NF 1000 983 NF 205	ATI EXPO NOHSC ppm ES- STEL NF NF 1880 1230	ES- PEAK NF NF NF	MITS IN PEL NA (5) 1000 400	AIR (mg OSHA ppm STEL NA NA 1900	g/m³) IDLH NA 3300 2000	OTHER
PROF DISTI HYDF ETHA ISOPI	PRIETARY LLATES (PETROLEUM), ROTREATED LIGHT NOL (SD ALCOHOL 40B) ROPYL ALCOHOL MIT MIXTURE	KEEP OU 3. CON CAS No. CAS No. NA 64742-47-8 64-17-5 Flam.Liq.2; H 67-63-0 Flam.Liq.2; I 55965-84-9 Eye Irrit. 2; SI 108-10-1	5Warnings.ca T OF REACH MPOSITIE RTECS No. NA OA5504000 225 NT8050000 225 NT8050000 Eye Irrit. 2; STC NA kin Sens. 1A; H SA9275000 Eye Irrit. 2; Acu	a.gov. OF CHILDRI OF CHILDRI ON & INC EINECS No. NA 265-149-8 200-578-6 200-661-7 DT SE 3; H225, NA 319, H314 203-550-1 tte Tox 4; STOT	EN GREDI % 60-100 25-50 0-1 0-1 H319, H33 0-1 0-1 RE 3; H22	ENT 	INF Gilt om STEL NA 3000 500 NA 3000 , H332,	ORN ES- TWA NF 1000 983 NF 205	AATI EXPO ppm ES- STEL NF NF 1880 1230 NF	SURE LI ES- PEAK NF NF NF NF	MITS IN PEL NA (5) 1000 400 NA	AIR (mg OSHA ppm STEL NA 1900 500 NA	a/m³) IDLH NA 3300 2000 NA	0THER 400
PROF DISTI HYDF ETHA ISOPI CMIT/ METH	PRIETARY LLATES (PETROLEUM), POTREATED LIGHT NOL (SD ALCOHOL 40B) ROPYL ALCOHOL MIT MIXTURE IYL ISOBUTYL KETONE	KEEP OUT 3. CON CAS No. NA 64742-47-8 64-17-5 Flam.Liq.2; H 67-63-0 Flam.Liq.2; I 55965-84-9 Eye Irrit. 2; SI 108-10-1 Flam.Liq.2; I	5Warnings.ca OF REACH MPOSITI RTECS No. NA OA5504000 225 NT8050000 Eye Irrit. 2; STC NA kin Sens. 1A; H SA9275000 Eye Irrit. 2; Acu 4.	a.gov. OF CHILDRI OF CHILDRI ON & INC EINECS No. NA 265-149-8 200-578-6 200-661-7 DT SE 3; H225, NA 200-5661-7 DT SE 3; H225, NA 200-561-7 DT SE 3; H225, NA 1319, H314 203-550-1 tte Tox 4; STOT FIRST AI	GREDI % 60-100 25-50 0-1 0-1 H319, H330 0-1 RE 3; H22 D ME A	ENT ACC PP TLV NA 1000 400 6 NA 205 5, H319, ASUF	INF 3IH m STEL NA 3000 500 NA 3000 , H332, RES	ORN Es- TWA NF NF 1000 983 NF 205 H335	ATI EXPO: NOHSC ppm ES- STEL NF NF 1880 1230 NF 307	ES- PEAK NF NF NF NF 410	MITS IN PEL NA (5) 1000 400 NA 300	AIR (mg OSHA ppm STEL NA 1900 500 NA 410	a/m³) IDLH NA 3300 2000 NA NA	OTHER 400 VACATED
PROF DISTI HYDF ETHA ISOPI	PRIETARY LLATES (PETROLEUM), ROTREATED LIGHT NOL (SD ALCOHOL 40B) ROPYL ALCOHOL MIT MIXTURE	KEEP OU 3. CON CAS No. NA 64742-47-8 64-17-5 Flam.Liq.2; H 67-63-0 Flam.Liq.2; J 55965-84-9 Eye Irrit. 2; SI 108-10-1 Flam.Liq.2; I Ingestion: Eyes:	SWarnings.ca OF REACH MPOSITIE RTECS No. NA OA5504000 KQ6300000 225 NT8050000 Eye Irrit. 2; STC NA Kin Sens. 1A; H SA9275000 Eye Irrit. 2; Acu Lf inges IMMED to an ur Provide that wa Splashe water for	A.gov. OF CHILDRI OF CHILDRI OF CHILDRI ON & INC EINECS No. NA 265-149-8 200-578-6 200-661-7 OT SE 3; H225, NA 319, H314 203-550-1 tet Tox 4; STOT FIRST AI ted, do not in IATELY. If the conscious per an estimate of s swallowed. Es are not likelor or at least 15 r	GREDI % 60-100 25-50 0-1 0-1 10-1 H319, H330 0-1 0-1 RE 3; H22 DME duce vom e patient i erson. Colo of the time y; howeve minutes. I	ENT PP TLV NA 1000 400 6 NA 205 5, H319, 400 6 NA 205 5, H319, ASUF NA 205 5, H319, ASUF NA ASUF NA ASUF NA ASUF NA ASUF A	INF BIH STEL NA NA 3000 500 NA 3000 100 100 100 100 100 100 10	ORN ES- TWA NF 1000 983 NF 205 H335 Ruct ha ontinue rest Po materia	ATI EXPO NOHSC Ppm ES- STEL NF 1880 1230 1230 1230 NF 307 307	ES- PEAK NF NF NF NF A10 NF 410	MITS IN PEL NA (5) 1000 400 A00 A00 A00 A00 A00 A00 A00 A00	AIR (mg OSHA ppm STEL NA 1900 500 NA 410 drink nilk. N r or loc the al copiou	a/m³) IDLH NA 3300 2000 NA NA plenty ever g cal em- mount s amo	OTHER OTHER 400 VACATED of water or n ive water or n ergency numb of the substar unts of lukewa
PROF DISTI HYDF ETHA ISOPI CMIT/ METH	PRIETARY LLATES (PETROLEUM), POTREATED LIGHT NOL (SD ALCOHOL 40B) ROPYL ALCOHOL MIT MIXTURE IYL ISOBUTYL KETONE	KEEP OU 3. CON CAS No. NA 64742-47-8 64742-47-8 64763-0 Flam.Liq.2; H 67-63-0 Flam.Liq.2; I 55965-84-9 Eye Irrit. 2; SI 108-10-1 Flam. Liq. 2; I Ingestion:	SWarnings.ca OF REACH MPOSITIE RTECS No. NA OA5504000 KQ6300000 225 NT8050000 Eye Irrit. 2; STC NA kin Sens. 1A; H SA9275000 Eye Irrit. 2; Acu Lif inges IMMED to an ur Provide that wa: Splashe water fo If irritati thoroug contact	A.gov. OF CHILDRI OF CHILDRI ON & INC EINECS No. INA 265-149-8 200-578-6 200-661-7 DT SE 3; H225, NA 200-578-6 200-661-7 DT SE 3; H225, NA 1319, H314 203-550-1 ted, do not in IATELY. If th nconscious per e an estimate of s swallowed. Es are not likel or at least 15 r ion occurs and	GREDI % 60-100 25-50 0-1 0-1 H319, H331 0-1 0-1 RE 3; H22 DMEA duce vom e patient i prson. Cor of the time y; howeve minutes. I d product the affecte nmediatel	ENT ACC PP TLV NA 1000 400 6 NA 205 5, H319, 400 6 NA 205 5, H319, ASUF itting. I s vomit nact the at which er, if pro f irritation is on the ed area y.	INF GIH STEL NA STEL NA 3000 500 NA 3000 NA 3000 H332, RES If prod ting, cu ie near ch the bduct g on occ he skir	ORN ES- TWA NF 1000 983 NF 205 H335 Uuct ha ontinue rest Po materia ets in t curs, co n, rinse	ATI EXPO NOHSC Ppm ES- STEL NF 1880 1230 1230 1230 NF 307 307 307 307	ES- PEAK NF NF NF NF 410 n swal er wat control ingest a phys ughly	MITS IN PEL NA (5) 1000 400 A00 NA 300 Owed, er or n Cente ed anc h with fu	AIR (mg OSHA ppm STEL NA 1900 500 NA 410 410 drink nilk. N r or loo d the al copiou	a/m³) IDLH NA NA 3300 2000 NA NA Plenty ever g cal em mount s amo m wat	OTHER OTHER 400 VACATED of water or n ive water or n ergency numb of the substar



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		4. FIRST	AID MEASURES -	<u>– conť d</u>	k				
4.2	Effects of Exposure:	Ingestion: If product is swallowed, may cause nausea, vomiting and/or diarrhea. Eyes: Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritatic and watering. Skin: May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitie in some sensitive individuals. Inhalation: None expected.							
4.3	Symptoms of Overexposure:	Inhalation: None expected. Ingestion: Nausea, intestinal discomfort, vomiting and/or diarrhea. Eyes: Overexposure in eyes may cause redness, itching and watering. Skin: Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. Product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some individuals.							
4.4	Acute Health Effects:	Non-irritating when used a	as directed. Moderate irritati can cause drowsiness, dizzin	tion to eyes	and skin	near affected		dditionally, high	
4.5	Chronic Health Effects:	Non-irritating when used a	s directed. Overexposure ma sitization and respiratory hype	ay trigger as	thma-like	symptoms in		tive individuals.	
4.6	Target Organs:	Eyes							
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, of the target organs (eyes).	ther skin conditions, and dis		FLAMM PHYSIC PROTE	ABILITY AL HAZAR CTIVE EQU		1 0 0 B	
					EYES	SKIN			
		5. FIRE	EFIGHTING MEAS	URES					
5.1	Fire & Explosion Hazards:		able. However, if involved in toxic gases (e.g., CO, CO _x).		product n	ay decompos	se at		
5.2	Extinguishing Methods:	Water, Foam, CO ₂ , Dry Cl	hemical Use water spray to	cool unoper	ned conta	inoro			
5.3	0 0		ding materials. As in any fi	ire, wear MS	SHA/NIO	SH approved			
		contained breathing appai cool until well after the fire personal. Fight fire upwin danger of boil-over. Prev drinking water supply, or a NIOSH-approved positive		ire, wear MS d full protect ool fire-expo ectly into sto or dilution fro hters must us reathing ap	SHA/NIOS tive gear. bosed surfa brage cont com enterin se full bur oparatus t	SH approved Keep contai ces and to prainers becaus ng sewers, dr iker gear incluo o protect ag	iners otect se of ains, uding		
		contained breathing appar cool until well after the fire personal. Fight fire upwin danger of boil-over. Prev drinking water supply, or a NIOSH-approved positive potential hazardous comb	ding materials. As in any fir ratus (pressure-demand) and is out. Use water spray to co id. Avoid spraying water dire rent runoff from fire control o ny natural waterway. Firefigh pressure self-contained br	ire, wear MS d full protect ool fire-expo ectly into sto or dilution fro hters must us reathing ap ducts and ox	SHA/NIOS tive gear. bosed surfa orage conformenterin se full bur oparatus t kygen defi	SH approved Keep contai ces and to prainers becaus ng sewers, dr iker gear incluo o protect ag	iners otect se of ains, uding		
6.1	Spills:	contained breathing appar cool until well after the fire personal. Fight fire upwin danger of boil-over. Prev drinking water supply, or a NIOSH-approved positive potential hazardous comb 6. ACCIDEN Before cleaning any spill Equipment. CAUTION – r For <u>small spills</u> (e.g., < 1 Maximize ventilation (oper absorbent material and pla with local, state and federa and soap. Remove any co For <u>large spills</u> (e.g., ≥ 1 (g material (e.g., sand or earl for recovery or disposal ar	ding materials. As in any fil ratus (pressure-demand) and is out. Use water spray to co d. Avoid spraying water dire ent runoff from fire control o ny natural waterway. Firefigh e pressure self-contained by ustion or decomposition prod NTAL RELEASE M or leak, individuals involved nay be slippery if spilled. gallon (3.8 L)) wear approp n doors and windows) and s ace into appropriate closed o al regulations. Wash all affect ontaminated clothing and was gallon (3.8 L)), deny entry to th). Use ONLY non-sparking nd solid diking material to sep h affected skin areas with soa	ire, wear MS d full protect ool fire-expo ectly into sto or dilution fro hters must us reathing ap ducts and ox IEASUR I in spill clear priate person secure all se container(s) cted areas a sh thoroughl o all unprote- g tools for re- parate conta	SHA/NIOS tive gear. based surfa orage contour on enterin se full bur oparatus t kygen defi RES anup mus nal protectources of and outsid ly before acted indivisioners for ainers for	SH approved Keep contai ces and to prainers becaus og sewers, dr ker gear incluo o protect ag ciencies. t wear appro- tive equipme ignition. Re sal. Dispose e of container euse. iduals. Dike id cleanup. T proper dispose	iners otect se of ains, uding ainst opriate Pers ent (e.g., gu move spille of properly r with plent and contai ransfer liqu sal. Remov	oggles, gloves). ed material with y in accordance y of warm water n spill with inert id to containers re contaminated	
	Spills:	contained breathing appar cool until well after the fire personal. Fight fire upwin danger of boil-over. Prev drinking water supply, or a NIOSH-approved positive potential hazardous comb 6. ACCIDEN Before cleaning any spill Equipment. CAUTION – r For <u>small spills</u> (e.g., < 1 Maximize ventilation (oper absorbent material and pla with local, state and federa and soap. Remove any co For <u>large spills</u> (e.g., ≥ 1 g material (e.g., sand or ear for recovery or disposal ar clothing promptly and wash sewers and open bodies of	ding materials. As in any fil ratus (pressure-demand) and is out. Use water spray to co d. Avoid spraying water dire ent runoff from fire control o ny natural waterway. Firefigh e pressure self-contained by ustion or decomposition prod NTAL RELEASE M or leak, individuals involved nay be slippery if spilled. gallon (3.8 L)) wear approp n doors and windows) and s ace into appropriate closed o al regulations. Wash all affect ontaminated clothing and was gallon (3.8 L)), deny entry to th). Use ONLY non-sparking nd solid diking material to sep h affected skin areas with soa	ire, wear MS d full protect ool fire-expo ectly into sto or dilution fro hters must us reathing ap ducts and ox IEASUR I in spill clear priate person secure all se container(s) cted areas a sh thorough o all unprote- g tools for re- parate conta ap and water	SHA/NIOS tive gear. pased surfa orage contour operatus transference operatus transference setem and protection of for dispo and outsid ly before acted indivision r. Keep sp	SH approved Keep contai ces and to prainers becaus og sewers, dr ker gear incluo o protect ag ciencies. t wear appro- tive equipme ignition. Re sal. Dispose e of container euse. iduals. Dike id cleanup. T proper dispose	iners otect se of ains, uding ainst opriate Pers ent (e.g., gu move spille of properly r with plent and contai ransfer liqu sal. Remov	oggles, gloves). ed material with y in accordance y of warm water n spill with inert id to containers re contaminated	
	Work & Hygiene Practices:	contained breathing appar cool until well after the fire personal. Fight fire upwin danger of boil-over. Prev drinking water supply, or a NIOSH-approved positive potential hazardous comb 6. ACCIDEN Before cleaning any spill Equipment. CAUTION – r For <u>small spills</u> (e.g., < 1 Maximize ventilation (oper absorbent material and pla with local, state and federa and soap. Remove any co For <u>large spills</u> (e.g., ≥ 1 g material (e.g., sand or ear for recovery or disposal ar clothing promptly and wast sewers and open bodies of 7. HANDLINC Do not eat, drink, or smol breathing of vapors, mists before eating. Avoid breat keep moist to avoid dust.	ding materials. As in any fil ratus (pressure-demand) and is out. Use water spray to co d. Avoid spraying water dire- ent runoff from fire control o ny natural waterway. Firefigh e pressure self-contained by ustion or decomposition prod NTAL RELEASE M or leak, individuals involved nay be slippery if spilled. gallon (3.8 L)) wear approp n doors and windows) and s ace into appropriate closed o cal regulations. Wash all affect ontaminated clothing and was gallon (3.8 L)), deny entry to th). Use ONLY non-sparking nd solid diking material to sep h affected skin areas with soa f water. G & STORAGE INF ke when using this product. V s, or spray. Avoid prolonged thing of dust created by sam	ire, wear MS d full protect ool fire-expo ectly into sto or dilution fro hters must us reathing ap ducts and ox IEASUR I in spill clear priate person secure all si container(s) cted areas al sh thorough o all unprotect g tools for re- parate conta ap and water FORMA Wash exposed or repeate	SHA/NIOS tive gear. based surfa orage configure on entering se full bur oparatus t cygen defice RES anup mus nal protect ources of and outsid ly before to covery ar ainers for r. Keep sp TION sed areas ad skin cong, or ma	SH approved Keep contai ces and to prainers becaus og sewers, dr ker gear incluo o protect ag ciencies. t wear appro- ctive equipme ignition. Re sal. Dispose e of containel reuse. iduals. Dike id cleanup. T proper dispose bills and clean thoroughly w ntact. Wash chining. Wh	iners otect se of ains, uding ainst opriate Pers ent (e.g., ge move spille of properly r with plent and contai fransfer liqu sal. Remov ing runoffs	bggles, gloves). ad material with y in accordance y of warm water n spill with inert id to containers e contaminated out of municipal nd water. Avoid r handling, and g with product,	
6.1		contained breathing appar cool until well after the fire personal. Fight fire upwin danger of boil-over. Prev drinking water supply, or a NIOSH-approved positive potential hazardous comb 6. ACCIDEN Before cleaning any spill Equipment. CAUTION – r For <u>small spills</u> (e.g., < 1 Maximize ventilation (oper absorbent material and pla with local, state and federa and soap. Remove any co For <u>large spills</u> (e.g., ≥ 1 g material (e.g., sand or ear for recovery or disposal ar clothing promptly and wasl sewers and open bodies o 7. HANDLINC Do not eat, drink, or smol breathing of vapors, mists before eating. Avoid breat keep moist to avoid dust.	ding materials. As in any fil ratus (pressure-demand) and is out. Use water spray to co d. Avoid spraying water dire- ent runoff from fire control o ny natural waterway. Firefigh e pressure self-contained by ustion or decomposition prod NTAL RELEASE M or leak, individuals involved nay be slippery if spilled. gallon (3.8 L)) wear approp n doors and windows) and s ace into appropriate closed o al regulations. Wash all affect ontaminated clothing and was gallon (3.8 L)), deny entry to th). Use ONLY non-sparking nd solid diking material to sep h affected skin areas with soa of water. G & STORAGE INF ke when using this product. N s, or spray. Avoid prolonged	ire, wear MS d full protect ool fire-expo ectly into sto or dilution fro hters must us reathing ap ducts and ox IEASUR I in spill clear oriate person secure all so container(s) cted areas a sh thoroughl o all unprote g tools for re- parate conta ap and water FORMA Wash expose d or repeate ading, grindir ilated area. S	SHA/NIOS tive gear. beed surfa orage conformentering sefull bur oparatus t cygen define RES anup mus anal protection of dispondand outsid ly before to bected individue covery ar ainers for r. Keep sp TION sed areas and skin cong, or ma Store awa	SH approved Keep contai ces and to prainers becaus og sewers, dr ker gear incluo o protect ag ciencies. t wear appro- ctive equipme ignition. Res al. Dispose e of container reuse. iduals. Dike id cleanup. T proper dispose bills and clean thoroughly wintact. Wash chining. What	iners otect se of ains, uding ainst opriate Pers ent (e.g., ge move spille of properly r with plent and contai fransfer liqu sal. Remov ing runoffs	bggles, gloves). ad material with y in accordance y of warm water n spill with inert id to containers e contaminated out of municipal nd water. Avoid r handling, and g with product,	



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3.1	Exposure Limits:			GIH		NOHSC			OSHA		OTHER
. 1	ppm (mg/m ³)		AC		ES-	ES-	ES-		USHA		OTHER
		CHEMICAL NAME(S)	TLV	STEL	TWA	STEL	PEAK	PEL	STEL	IDLH	
		NAPHTHA (PETROLEUM), HYDROTREATED LIGHT	NA	NA	NF	NF	(5)	NA	NA	NA	
		ETHANOL (SD ALCOHOL 40B)	1000	3000	1000	1800	NF	1000	1900	3300	
		ISOPROPYL ALCOHOL	400	500	983	1230	NF	400	500	2000	400
		METHYL ISOBUTYL KETONE	205	300	205	307	410	300	410	NA	VACATED
2	Ventilation & Engineering Controls:	Provide appropriate local exhau									
	0 0	Use in an enclosed process are									
		areas with little or no air movem	ent.								
.3	Respiratory Protection:	Avoid breathing of vapors, mists									
		typical circumstances of use									
		authorized per U.S. OSHA's r									
		regulations, or the appropriate Australia.	standards	s or Cana	ida, its p	province	s, E.C.	member	states,	or	
.4	Eye Protection:	AVOID EYE CONTACT. Wea	r safetv o	lasses	If neces	sarv re	er to U	S OSH	A 29 CF	R	
	2,011000000	§1910.133, Canadian standards						.0. 0011	1 20 01	-к 🌔	Ž
.5	Hand Protection:	AVOID SKIN CONTACT. Sele						ina to pr	event sł		
		contact based on the results of									
		protective clothing manufacture	r for sele	ection of	appropria	ate com	patible	materials	s. Glov	es 👘	2
		made from the following materia									
		U.S. OSHA 29 CFR §1910.138	8, the app	ropriate	standard	s of Ca	nada, o	f the E.C	. memb	er	
6	Body Protection:	states.								16	
0	Body Protection.	No special body protection is r necessary, refer to appropriate s									
		Thecessary, relef to appropriate s	stanuarus	UI Calla		.c. men		.es, or o.	3. 031	·.	
		9. PHYSICAL &	CUEM								
	A				FRUI		IE S				
1 2	Appearance: Odor:	Light blue liquid									
2 3	Odor Threshold:	Slight									
3 4	pH:	NA									
		7.5-8.5									
.5	Melting Point/Freezing Point: Initial Boiling Point/Boiling Range:	NA (040.05)									
.0	Flashpoint:	100°C (212 °F)									
. <i>1</i> .8	Upper/Lower Flammability Limits:	99°C (> 210.2°F) CC									
.0 .9	Vapor Pressure:	NA 31.69 HpA									
.9 .10	Vapor Density:										
.10	Relative Density:	NA 1.11 g/cm ³ @ 25ºC									
.12	Solubility:										
.13	Partition Coefficient (log Pow):	ND NA									
.14	Autoignition Temperature:	ND									
15	Decomposition Temperature:	NA									
.16	Viscosity:										
.17	Other Information:	ND NA									
		NA									
		10. STABI			CTIV	ту					
0.1	Stability:	Stable under ambient conditions									
0.2	Hazardous Decomposition Products:	If exposed to extremely high ten				thermal	decom	position i	nay incl	ude irrita	ation vapors
0.3	Hazardous Polymerization:	nitrogen and carbon oxide gases		_x , CO, C	J ₂).						
0.3		Hazardous polymerization will no									
	Conditions to Avoid:	High temperatures and incompa	tible subs	tances.							
).5	Incompatible Substances:	Strong oxidizing agents.									
		11. TOXICOL	OGICA		ORM		N				
1.1	Routes of Entry:	Inhalation: YES				YES	-		Inge	estion: Y	ES
1.2	Toxicity Data:	This product has NOT been teste	ed on anin		-		ata. To	kicoloav	data for		
		is available for some of the com									
		Isopropyl Alcohol: LD ₅₀ (oral, ra	t) = 5,840	mg/kg; <u>N</u>	lethyl Iso	butyl K	etone: L	D ₅₀ (oral.	rat) – 2	080 mg/	kg; LD₅₀ derr
	<u> </u>	rabbit) = 3,000 mg/kg; LC_{50} (inha	alation, ra	<u>t 4hr</u>) = 2	000-4,00	00 ppm.		(, _		<u>,</u>
	Acute Toxicity:	See Section 4.4									



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		11. TOXICOLOGICAL INFORMATION – cont'd				
11.4	Chronic Toxicity:	See Section 4.5				
11.5	Suspected Carcinogen:	WARNING: This product can expose you to chemicals including <u>Methyl Isobutyl Ketone</u> , which is known to the Stat of California to cause cancer, birth defects or other reproductive harm. For more information, g to <u>www.P65Warnings.ca.gov</u> . The following ingredients are classified ACGIH 3 (Animal carcinogen): <u>Ethyl Alcohol</u> .				
11.6	Reproductive Toxicity:	This product is not reported to cause reproductive toxicity in humans.				
	Mutagenicity:	This product is not reported to cause mutagenic effects in humans.				
	Embryotoxicity:	This product is not reported to cause 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:	The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure				
11.8	Biological Exposure Indices:	NA				
11.9	Physician Recommendations:	Treat symptomatically.				
		12. ECOLOGICAL INFORMATION				
12.1	Environmental Stability: There is no specific data available for this product. The components of this product will slowly degrade over time in a variety of organic compounds. Specific environmental data available for the components of this product are follows: <u>Ethanol</u> : In water, will volatilize and probably degrade. <u>Isopropyl Alcohol</u> : Log K _{OW} = 0.05-0.14. Isopro alcohol occurs naturally; it is generated during microbial degradation of plant and animal wastes. When released land or water, it is apt to volatilize and biodegrade. The estimated half-life in water is 5.4 days. Isopropyl alcoho not expected to bioconcentrate					
12.2	Effects on Plants & Animals:	There are no specific data for this product.				
12.3	Effects on Aquatic Life:	There are no specific data available for this product; however, very large releases of this product may be harmful of fatal to overexposed aquatic life.				
		13. DISPOSAL CONSIDERATIONS				
13.1	Waste Disposal:	Review current local, state and federal laws, codes, statutes and regulations to determine current status an appropriate disposal method for the ingredients listed in Section 2. Any disposal practice must be in compliance wit local, state, and federal laws and regulations. California State Waste Code: 331				
13.2	Special Considerations:	Contact the federal, state or provincial environmental authority to determine suitability for recycling and or proper disposal requirements.				
		14. TRANSPORTATION INFORMATION				
		r, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additiona quired 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				

14.3	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	ADGC (AUS):	NOT REGULATED

		15. REGULATORY INFORMATION					
15.1	15.1 SARA Reporting Requirements: This product contains <u>Isopropyl Alcohol</u> and <u>Methyl Isobutyl Ketone</u> substances subject to SARA Title III (313) reporting and 40 CFR part 373.						
15.2	SARA Threshold Planning Quantity:	There are no specific Threshold Planning Quantities for the components of this product.					
15.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.					
15.4	CERCLA Reportable Quantity (RQ):	Ethanol: 2,270 kg (5,000 lbs), Methyl Isobutyl Ketone: 2,270 kg (5,000 lbs),					
15.5	Other Federal Requirements:	This product contains <u>Methyl Isobutyl Ketone</u> a substance identified as Hazardous Air Pollutants (HAPs). None of the components in this product are listed as toxic pollutants under the CWA.					
15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the HPR and the MSDS 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 D2B (Other Toxic Effects)					



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		15. REGULATORY INFORMATION – cont'd
15.7	State Regulatory Information:	Ethanol is found on the following state criteria lists: Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ),
		Pennsylvania Right-to-Know List (PA), California Proposition 65 ((CA65) ethanol in alcoholic beverages) and Washington Permissible Exposures List (WA).
		Methyl Isobutyl Ketone: is found on the following state criteria list: MA, NJ, PA, IL, and RI.
		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).
15.8	Other Requirements:	WARNING: This product can expose you to chemicals including <u>Methyl Isobutyl Ketone</u> , which is known to the State of California to cause cancer, birth defects or other reproductive harm. For more information, go to <u>www.P65Warnings.ca.gov</u> .
		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.
		16. OTHER INFORMATION
16.1	Other Information:	DANGER! MAY BE FATAL IF SWALLOWED AND ENTERS THE AIRWAYS. CAUSES MILD SKIN. CAUSES SERIOUS EYE IRRITATION. Read instructions before use. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Wash thoroughly with soap and water after handling. Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED: Immediately call a POISOIN CENTER/doctor. Do NOT induce vomiting. 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 advice/attention. If exposed or concerned: Get medical advice/attention. Store locked up.
		KEEP OUT OF REACH OF CHILDREN. WARNING: This product can expose you to chemicals including <u>Methyl Isobutyl Ketone</u> , which is known to the State of California to cause cancer, birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.
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 & Starke Yacht Care's knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.
16.4	Prepared for:	STARKE YACHT CARE 17000 Alico Commerce Ct. Suite 101 Fort Myers, FL 33912 Tel: +1 (800) 203-5315 http://www.starkeyachtcare.com
16.5	Prepared by:	ShipMate, Inc. P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700 http://www.shipmate.com



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DEFINITION OF TERMS

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

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
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:

CF	PR	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:

PER	SUNAL I	ROIE	CTION RATINGS:						
Α					G				
В					н				8
С			T		I				
D	B		F		J	0			8
Е					κ	E			
F	0				Χ	Consult special ł	your su nandling	pervisor o direction	r SOPs for s.
Sa	afety Glas	ses	Splash Goggles	F		e Shield a tive Eyev		Glov) /es
	Boots		Protective Apron	F		tive Cloth	ning	Dust Res	spirator
			8						
Full	Face Res	oirator	Dust & Vapor Half- Mask Respirator			ull Face espirator		Airline Ho or SC	

OTHER STANDARD ABBREVIATIONS:

Carc	Carcinogenic			
Irrit	Irritant			
NA	Not Available			
NR	No Results			
ND	Not Determined			
NE	Not Established			
NF	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			

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
OX	Oxidizer	SPECIAL
TREFOIL	Radioactive	PRECAUTIONS

TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD _{Io}	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD _{lo} , LD _{lo} , & LD _o or	Lowest dose (or concentration) to cause lethal or toxic effects
TC, TC _o , LC _{io} , & LC _o	
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
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:

0	۲	٨		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:

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