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Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards SDS Revision Date: 3/3/2021 1. PRODUCT & COMPANY IDENTIFICATION 1.1 Product Name STARKE CRYSTAL CLEAR GLASS POLISH Chemical Name 12 Mixture 1.3 Synonyms: Crystal Clear Glass Polish 14 Trade Names Starke Crystal Clear Glass Polish 1.5 Product Use: Glass surface polish Starke Yacht Surface Technologies 1.6 Distributor's Name: 17000 Alico Commerce Ct., Suite 101, Fort Myers, FL 33912 1.7 Distributor's Address 1.8 Emergency Phone: John Watkins +1 (239) 851-6030 1.9 Business Phone / Fax +1 (800) 203-5315 2. HAZARDS IDENTIFICATION 21 Hazard Identification: Prepared in accordance with UN Globally Harmonized standards. Intended to comply with OSHA 29 CFR 1910.1200. Canadian WHMIS and Australian Work Health and Safety. Classification: None 2.2 Label Elements: Hazard Statements (H): None Precautionary Statements (P): None 2.3 Other Warnings: KEEP OUT OF REACH OF CHILDREN 3. COMPOSITION & INGREDIENT INFORMATION EXPOSURE LIMITS IN AIR (mg/m³) **ACGIH** NOHSC **OSHA** ppm ppm ppm FS. FS-FS. CHEMICAL NAME(S) RTECS No. **EINECS No** PEAK OTHER CAS No. 7732-18-5 ZC0110000 231-791-2 BAL NA NA NF NF NF NA NA NA WATER FK6310000 215-150-4 > 0.5 NA NA NF NF NF NA NA NA 1306-38-3 **CERIUM OXIDE** 4. FIRST AID MEASURES 4.1 First Aid: Ingestion: If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of lukewarm Eyes: water for at least 15 minutes. If irritation occurs, contact a physician. Skin: If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the affected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately. Remove victim to fresh air at once. Inhalation: Effects of Exposure: If product is swallowed, may cause nausea, vomiting and/or diarrhea. Ingestion: Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation Eyes: and watering. May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) Skin: in some sensitive individuals. Inhalation: None expected. Symptoms of Overexposure: 43 Nausea, intestinal discomfort, vomiting and/or diarrhea. Ingestion: Overexposure in eyes may cause redness, itching and watering. Eyes: Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. Product Skin: can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some individuals. 4.4 Acute Health Effects Non-irritating when used as directed. Moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches, and nausea. 4.5 Chronic Health Effects: Non-irritating when used as directed. Overexposure may trigger asthma-like symptoms in some sensitive individuals. May also induce skin sensitization and respiratory hypersensitivity. Possible allergic dermatitis. 4.6 Target Organs: Medical Conditions Aggravated by 47 Pre-existing dermatitis, other skin conditions, and disorders of the **HEALTH** 0 Exposure target organs (eyes). **FLAMMABILITY** 0 PHYSICAL HAZARDS 0 PROTECTIVE EQUIPMENT В

EYES

SKIN



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		5. FIREFIG	HTIN	G ME	ASUR	ES						
5.1	Fire & Explosion Hazards:	This product is not flammable. I	lowever,	if involve			roduct n	nay deco	npose a	at high		
5.2	Extinguishing Methodo:	temperatures to form toxic gases						- !				
5.3	Extinguishing Methods: Firefighting Procedures:	Water, Foam, CO ₂ , Dry Chemica							nnroo	d solf		
5.5	Fight fires as for surrounding materials. As in any fire, wear MSHA/N contained breathing apparatus (pressure-demand) and full protective gear.							0				
		until well after the fire is out. Use									0	0
		Fight fire upwind. Avoid spraying	g water d	irectly int	o storage	e contair	ners bed	ause of o	danger o	of boil-		\vee
		over. Prevent runoff from fire cor	ntrol or dil	ution fron	ı enterinç	g sewers	s, drains	, drinking	water s	supply,		
		or any natural waterway. Firefigh										
		pressure self-contained breathin decomposition products and oxy			tect agai	inst pote	ıntıaı na.	zardous	combus	stion or		
		C ACCIDENTA	ı DEI	FACE		CLID						
6.1	Spills:	6. ACCIDENTA								ists Day	annal Duat	
0.1	Spills.	Before cleaning any spill or lead Equipment. CAUTION – may be				рііі сіеа	nup mu	ist wear	appropr	riate Per	sonal Prot	ective
						epersor	nal prote	ective eq	uipment	t (e.g., g	oggles, gl	oves).
		For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows). Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal										
		regulations. Wash all affected a contaminated clothing and wash				iner witi	n plenty	of warn	n water	and soa	ap. Remov	e any
		For <u>large spills</u> (e.g., ≥ 1 gallon				unprotec	ted indi	viduals	Dike a	nd conta	in spill with	h inert
		material (e.g., sand or earth). Tra	nsfer liqu	id to conta	ainers foi	r recove	ry or dis	posal and	l solid d	iking ma	terial to sep	parate
		containers for proper disposal. R	emove c	ontamina	ted cloth	ing pron	nptly and	d wash a	ffected	skin area	as with soa	ap and
		water. Keep spills and cleaning r	unoffs ou	<u>ıt of muni</u>	cipal sev	vers and	l open b	odies of	water.			
		7. HANDLING &	STOD	AGE I	NEO							
7.1	Work & Hygiene Practices:	Do not eat, drink or smoke whe						s thoroug	ıbly with	h coan a	nd water	Avoid
	Work a Hygiene i ractices.	breathing of vapors, mists or spra										
		eating. Avoid breathing of dust of										
		to avoid dust.										
7.2	Storage & Handling:	Keep containers always sealed, food or pharmaceuticals. Store a					away f	rom area	s where	e product	may enco	ounter
7.3	Special Precautions:	Follow all instructions on produc	t label. K	eep cont	ainer clo	sed whe	en not ir	n use. Ke	ep this	and all	chemicals	out of
		reach of children.										
	Ω	EXPOSURE CONTRO	N S 8	DED		I DD	OTE	CTION	ı			
8.1	Exposure Limits:	LAF OSURE CONTRO		GIH		NOHSC	OIL		OSHA		OTHER	
	ppm (mg/m³)	CUENICAL NAME(O)			ES-	ES-	ES-	PEL		IDIII		
		NA	TLV NA	STEL NA	TWA NF	STEL NF	PEAK NF	NA	STEL NA	IDLH NA		
8.2	Ventilation & Engineering Controls:	Provide appropriate local exhaus										
		an enclosed process area is rec	commend	ed. Use	n a well-	-ventilate	ed area	. Do not	use in a	a confine	d area or	areas
8.3	Respiratory Protection:	with little or no air movement.		. Na		-!		!	.:	4		
0.5	Respiratory Protection.	Avoid breathing of vapors, mists typical circumstances of use										
		authorized per U.S. OSHA's re										
		regulations, or the appropriate										
		Australia.										
8.4	Eye Protection:	AVOID EYE CONTACT. Wear						I.S. OSH	A 29 C	FR 6	3	
8.5	Hand Protection:	§1910.133, Canadian standards AVOID SKIN CONTACT. Sele						ing to pr	event o		<u> </u>	
0.0	. and riototion.	contact based on the results of										
		protective clothing manufacture						, ,			110	
		made from the following materia	al(s) are ı	ecomme	nded: <u>Ni</u>	trile Rub	<u>bber</u> . If	necessa	ry, refei	r to 🔣	y	
		U.S. OSHA 29 CFR §1910.138	, the app	ropriate	standard	s of Ca	nada, o	f the E.C	c. mem	ber		
8.6	Body Protection:	states.	oguired :	ınder tır-	ical oira:	ımetene	oc of	ond L	andline	If 🐠		
5.5	253y Frotonion.										1	
8.6	body Protection:	No special body protection is renecessary, refer to appropriate s									2	



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		9. PHYSICAL & CHEMICAL PROPERTIES			
9.1	Appearance:	Light tan liquid			
9.2	Odor:	None			
9.3	Odor Threshold:	NA NA			
9.4	pH:	6-7.5			
9.5	Melting Point/Freezing Point:	NA NA			
9.6	Initial Boiling Point/Boiling Range:	NA NA			
9.7	Flashpoint:	93.3 °C (200 °F)			
9.8	Upper/Lower Flammability Limits:	NA NA			
9.9	Vapor Pressure:	ND			
9.10	Vapor Density:	NA NA			
9.11	Relative Density:	0.865 @ 25°C			
9.12	Solubility:	Soluble			
9.13	Partition Coefficient (log Pow):	NA NA			
9.14	Autoignition Temperature:	NA NA			
9.15	Decomposition Temperature:	NA			
9.16	Viscosity:	145 mm²/s			
9.17	Other Information:	VOC percent by weight: 0			
		40 OTABILITY 0 DE 4 OT!! (IT) /			
		10. STABILITY & REACTIVITY			
10.1	Stability:	Stable under ambient conditions when stored properly (See Section 7, Storage and Handling)			
10.2	Hazardous Decomposition Products:	None Known			
10.3	Hazardous Polymerization:	Hazardous polymerization will not occur.			
10.4	Conditions to Avoid:	High temperatures and incompatible substances.			
10.5	Incompatible Substances:	Strong oxidizing agents, strong acids, strong reducing agents			
		11. TOXICOLOGICAL INFORMATION			
11.1	Routes of Entry:	Inhalation: YES Absorption: YES Ingestion: YES			
11.2	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is available for some of the components of the product.			
11.3	Acute Toxicity:	See Section 4.4			
11.4	Chronic Toxicity:	See Section 4.5			
11.5	Suspected Carcinogen:	No.			
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 are no specific data for this product.			
12.2	Effects on Plants & Animals:	There are no specific data for this product. 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 or 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 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. 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.			



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		44 TRANSPORTATI	ON INFORMATION	
—		14. TRANSPORTATION		
desc	criptive information may be rec	, proper shipping name, hazard class & divisquired by 49 CFR, IATA/ICAO, IMDG and the	sion, packing group) is shown for e e CTDGR.	each mode of transportation. Additional
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	ADGC (AUS):	NOT REGULATED		
	, ,	NOT REGULATED		
		15. REGULATORY	INFORMATION	
15.1	SARA Reporting Requirements:	This product does not contain any substar		tion 313 reporting requirements.
15.2	SARA Threshold Planning Quantity:	There are no specific Threshold Planning		his product.
15.3	TSCA Inventory Status:	The components of this product are listed	on the TSCA Inventory.	
15.4	CERCLA Reportable Quantity (RQ):	NA		
15.5 15.6	Other Federal Requirements: Other Canadian Regulations:	This product does not contain any substan		
13.0		This product has been classified accordiction contains all of the information required by on the DSL/NDSL. None of the componen List. WHMIS Class D2B (Other Toxic Effective Control of the Component Class D2B) (Other Toxic Effective Control of the	the HPR. The components of thi ts of this product are listed on the P	is product are listed
15.7	State Regulatory Information:	No 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.		
15.8	Other Requirements:	This product is found on the following inv Japan – ENCS; Korea – KECI; New Zeala		
		16. OTHER INF	ORMATION	
16.1	Other Information:	WARNING! CAUSES EYE IRRITATION. several minutes. Remove contact lenses medical advice/attention. Call a POISON (Read instructions before use. IF I, if present and easy to do. Contin	ue rinsing. If eye irritation persists: Get
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.		
16.3	Disclaimer:	This Safety Data Sheet is offered pursuan government regulations must be reviewed Care's knowledge, the information conta suitability or completeness is not guarante. The information contained herein relates materials, all component properties must I the latest edition.	If for applicability to this product. T ined herein is reliable and accura ed and no warranties of any type, e only to the specific product(s). I	to the best of ShipMate's & Starke Yacht ate as of this date; however, accuracy, bither expressed or implied, are provided. If this product(s) is combined with other
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	STARK Yacht Surface Technolo	
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	9

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	NOHSC National Occupational Health and Safety Commission (Australia)	
OSHA	OSHA U.S. Occupational Safety and Health Administration	
PEL Permissible Exposure Limit		
STEL	Short Term Exposure Limit	
TLV Threshold Limit Value		
TWA	Time Weighted Average	

FIRST AID MEASURES:

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

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

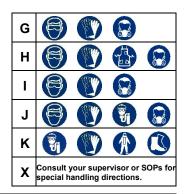
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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

HEALTH
FLAMMABILITY
PHYSICAL HAZARDS
PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:

Α		
В		
С		
D		
Е		
F		





OTHER STANDARD ABBREVIATIONS:

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

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILI	FLAMMABILITY LIMITS IN AIR:		
Autoignition Minimum temperature required to initiate combustion in air with no other source Temperature of ignition			
LEL Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explor 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:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD _{Io}	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD _{Io} , LD _{Io} , & LD _o or	Lowest dose (or concentration) to cause lethal or toxic effects
TC, TCo, LCio, & LCo	
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TLm	Median threshold limit
log Kow or log Koc	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System					
DOT	DOT U.S. Department of Transportation					
TC	TC Transport Canada					
EPA	EPA U.S. Environmental Protection Agency					
DSL	DSL Canadian Domestic Substance List					
NDSL	Canadian Non-Domestic Substance List					
PSL	Canadian Priority Substances List					
TSCA	TSCA U.S. Toxic Substance Control Act					
EU	EU European Union (European Union Directive 67/548/EEC)					
WGK	Wassergefährdungsklassen (German Water Hazard Class)					

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

0	*	③	(3)	\odot	(4)		
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			\Diamond		*
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment