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SYS-017 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 SURFACE PREP 12 Chemical Name: Alcohol Solution 1.3 Synonyms: NA 14 Trade Names Starke Surface Prep 1.5 Product Use: Surface precleaner 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 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. WARNING! FLAMMABLE LIQUID AND VAPOR. CAUSES SERIOUS EYE IRRITATION. CAUSES MILD SKIN IRRITATION. Classification: Flam. Liq. 3, Eye Irrit. 2A, Skin Irrit. 3 2.2 Label Elements: Hazard Statements (H): H226 - Flammable liquid and vapor. H316 - Causes mild skin irritation. H319 – Causes serious eye irritation. Precautionary Statements (P): P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking, P233 - Keep container tightly closed, P240 -Ground and bond container and receiving equipment. P241 - Use explosion-proof (electrical/ventilating/lighting) equipment. P242 – Use non-sparking tools. P243 – Take action to prevent static discharges. P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 - If skin irritation occurs: Get medical advice/attention. P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. P370 - In case of fire use CO2, BC powder, Dry Chemical, Foam, water mist. P403+P235 - Store in a well-ventilated place. Keep cool. P405 - Store locked up. P501 - Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF). 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 ES-ES-ES-CAS No. IDLH CHEMICAL NAME(S) RTECS No. EINECS No. STEL **TWA** STEL **PEAK** STEL OTHER NA NA NA BAL NA NA NF NF NF NA NA **PROPRIETARY** 67-63-0 NT8050000 200-661-7 10-20 400 500 983 1230 NF 400 500 2000 ISOPROPYL ALCOHOL Flam. Liq. 2; Eye Irrit. 2; STOT SE 3; H225, H319, H336 NA NA NF NF NF NA NA NA 5131-66-8 UA7700000 225-878-4 1-3 PROPYLENE GLYCOL BUTYL ETHER Skin Irrit. 2; Eye Irrit. 2A; H315, H319 NA NA NF NF NF GW6360000 227-813-5 0.1-1 NA NA NA ALLERGEN **D-LIMONENE** Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Aq. Acute 1, Aq. Chronic 1; H226, H315, H317, H400, H410 4. FIRST AID MEASURES 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 Eyes: lukewarm water for at least 15 minutes. If irritation occurs, contact a physician. If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a Skin: 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:

Special Precautions:

reach of children.

7.3

SAFETY DATA SHEET

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SYS-017 SDS Revision: 1.0 Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards SDS Revision Date: 3/3/2021 4. FIRST AID MEASURES - cont'd 4.2 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. Skin: May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals. Inhalation: None expected. 4.3 Symptoms of Overexposure: 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. Skin: Product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some individuals. Acute Health Effects: 4.4 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: 4.7 Medical Conditions Aggravated by Pre-existing dermatitis, other skin conditions, and disorders of **HEALTH** 1 Exposure: the target organs (eyes). **FLAMMABILITY** 3 0 PHYSICAL HAZARDS PROTECTIVE EQUIPMENT В **EYES** SKIN 5. FIREFIGHTING MEASURES Fire & Explosion Hazards: WARNING! FLAMMABLE LIQUID AND VAPOR! Keep away from heat, lit cigarettes, sparks & open flame. Keep container closed. This product is a Class IB flammable liquid. When involved in a fire, this product will ignite readily and decompose to produce carbon oxides. Vapors of this product are heavier than air and may travel to a source of ignition and flash back to a leaking or open container Extinguishing Methods 5.2 CO₂, BC powder, Dry Chemical, Foam, water mist. 5.3 Firefighting Procedures: Fight fires according to the surrounding materials. As in any fire, wear an MSHA / NIOSH approved self-contained breathing apparatus (pressurized) and full protective clothing. Keep containers cold long after the fire is out. Use a spray of diffused water to cool the surfaces exposed to the fire and to protect personnel. Fight the fire upstream. Avoid spraying water directly into storage containers due to the danger of overflowing. Prevent runoff from fire control or dilution from entering sewers, drains, potable water supplies or natural waterways. Firefighters must use full response clothing including a NIOSH approved self-contained positive pressure breathing apparatus to protect against potential hazardous combustion or decomposition of products and lack of oxygen. 6. ACCIDENTAL RELEASE MEASURES Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Spills: Equipment CAUTION - may be slippery if spilled. 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) and secure all sources of ignition. 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 areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse. For large spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Use ONLY non-sparking tools for recovery and cleanup. Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water. 7. HANDLING & STORAGE INFORMATION Do not eat, drink, or smoke when using this product. Wash exposed areas thoroughly with soap and water. Avoid Work & Hygiene Practices: breathing of vapors, mists, or spray. Avoid prolonged or repeated skin contact. Wash hands after handling, and before eating. Avoid breathing of dust created by sanding, grinding, or machining. When polishing with product, keep moist to avoid dust. Keep containers sealed at all times, store in well-ventilated area. Store away from areas where product may come 7.2 Storage & Handling: into contact with food or pharmaceuticals. Store away from oxidizing agents.

Follow all instructions on product label. Keep container closed when not in use. Keep this and all chemicals out of



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0.4		EXPOSURE CONTR			JONA		OIL	5 1 101			OTHER
8.1	Exposure Limits: ppm (mg/m³)		AC	GIH	ES-	NOHSC ES-	ES-	<u> </u>	OSHA		OTHER
	FF (ing.iii)	CHEMICAL NAME(S)	TLV	STEL	TWA	STEL	PEAK	PEL	STEL	IDLH	
		ISOPROPYL ALCOHOL	400	500	983	1230	NF	400	500	2000	
		D-LIMONENE	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN
3.2	Ventilation & Engineering Controls:	Provide appropriate local exhau Use in an enclosed process are areas with little or no air movem	ea is reco								
3.3	Respiratory Protection:	Avoid breathing of vapors, mist		No sne	cial resn	iratory i	rotectio	n is real	iired un	der	
0.0	, respectively, resident	typical circumstances of use authorized per U.S. OSHA's regulations, or the appropriate Australia.	or handli requireme	ng. If n nt in 29	ecessar CFR §1	y, use 910.134	only res	spiratory plicable	protect U.S. st	tion ate	
8.4	Eye Protection:		AVOID EYE CONTACT. Wear safety glasses. If necessary, refer to U.S. OSHA 29 CFR §1910.133, Canadian standards, or the European Standard EN166.								
8.5	Hand Protection:	contact based on the results of protective clothing manufacture made from the following materi	AVOID SKIN CONTACT. Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials. Gloves made from the following material(s) are recommended: Nitrile Rubber . If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. member								
8.6	Body Protection:	No special body protection is necessary, refer to appropriate									
		9. PHYSICAL &	CHEN	IICAL	<u>PROI</u>	PERT	<u>IES</u>				
9.1	Appearance:	Light red liquid									
9.2	Odor:	Fruity odor									
9.3	Odor Threshold:	NA									
9.4	pH:	7									
9.5	Melting Point/Freezing Point:	NA									
9.6	Initial Boiling Point/Boiling Range:	≥ 82.5°C (180.5 °F)									
9.7	Flashpoint:	30°C (86 °F)									
8.9	Upper/Lower Flammability Limits:	NA									
9.9	Vapor Pressure:	4.3 kPa @ 20°C									
9.10	Vapor Density:	NA									
9.11	Relative Density:	8.090 lb/gal									
9.12	Solubility:	Soluble in water									
9.13	Partition Coefficient (log Pow):	NA									
9.14	Autoignition Temperature:	260°C (500°F)									
9.15	Decomposition Temperature:	NA									
9.16	Viscosity:	NA									
9.17	Other Information:	NA									
		10. STAB	ILITY 8	& REA	CTIVI	TY					
10.1	Stability:	Stable under ambient conditions					7, Stora	age and I	Handling	g)	
10.2	Hazardous Decomposition Products:	If exposed to extremely high ter carbon oxide gases (e.g. CO, C		s, the pro	ducts of	thermal	decom	position i	may inc	lude irrita	ation vapors ar
10.3	Hazardous Polymerization:	Hazardous polymerization will n									
10.4	Conditions to Avoid:	High temperatures and incompa	atible subs	tances.							
10.5	Incompatible Substances:	Strong oxidizing agents.			-			-		-	
		11. TOXICOL	OGICA	I INF	ORM	ΔΤΙΩ	N				
11.1	Routes of Entry:	Inhalation: YES	<u> </u>		-	YES	. •		Ind	estion: Y	ES
11.2	Toxicity Data:	This product has not been te components of the product, whi Isopropyl Alcohol: LD ₅₀ (oral, ra	ch are fou	animals t	o obtain	toxicol	This dat	a is pres	re is to ented b	xicology	
11.3	Acute Toxicity:	See Section 4.4	, ,				<u> </u>	<u>"</u>			
11.4	Chronic Toxicity:	See Section 4.5									
11.5	Suspected Carcinogen:	Limonene and Propylene Glyco to humans)	l Butyl Eth	ner are lis	ted on IA	RC 3 -	Group 3	(Not cla	ssifiable	e as to its	s carcinogenic



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Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards SDS Revision Date: 3/3/2021 11. TOXICOLOGICAL INFORMATION - cont'd This product is not reported to cause reproductive toxicity in humans. 11.6 Reproductive Toxicity: 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 119 Physician Recommendations: Treat symptomatically. 12. ECOLOGICAL INFORMATION This product will slowly degrade over time into a variety of organic compounds. Specific environmental data 12.1 Environmental Stability: available for the components of this product are as follows: Isopropyl Alcohol: Log Kow = 0.05-0.14. Isopropyl alcohol occurs naturally; it is generated during microbial degradation of plant and animal wastes. When released on land or water, it is apt to volatilize and biodegrade. The estimated half-life in water is 5.4 days. Isopropyl alcohol is not expected to bioconcentrate. Effects on Plants & Animals: 12.2 There are no specific data available for this product. 12.3 Effects on Aquatic Life: Product is expected to rapidly disperse in the aquatic environment. Isopropanol: LC50 10,000 mg/l (fish, 96h); Propylene Glycol Butyl Ether: EC50 >1,000 mVI (aquatic invertebrates 48h); d-Limonene: LC50 720 µg/l (fish, 96h), EC50 688 µg/l 13. DISPOSAL CONSIDERATIONS Waste Disposal 13.1 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 Special Considerations Contact the federal, state or provincial environmental authority to determine suitability for recycling and or proper disposal requirements. U.S. EPA Waste Number: D001 (characteristic - ignitable) 14. TRANSPORTATION INFORMATION The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR. 49 CFR (GND) UN1987, ALCOHOLS, N.O.S., (ETHANOL, ISOPROPANOL), 3, III, (LTD QTY, IP VOL ≤ 5.0 L); CONSUMER COMMODITY, ORM-D - until 12/31/2020 * IATA (AIR): 14.2 UN1170, ETHANOL SOLUTION, 3, III, (LTD QTY, IP VOL ≤ 1.0 L); or ID8000, CONSUMER COMMODITY, 9 (IP VOL ≤ 0.5 L) IMDG (OCN): 14.3 UN1987, ALCOHOLS, N.O.S., (ETHANOL, ISOPROPANOL), 3, III, (LTD QTY, IP VOL ≤ 5.0 L) 14.4 TDGR (Canadian GND): UN1987, ALCOHOLS, N.O.S., (ETHANOL, ISOPROPANOL), 3, III, (LTD QTY, IP VOL ≤ 5.0 L) ADR/RID (EU): 14.5 UN1987, ALCOHOLS, N.O.S., (ETHANOL, ISOPROPANOL), 3, III, (LTD QTY, IP VOL ≤ 5.0 L) 14.6 SCT (MEXICO): UN1987, ALCOHOLES, N.E.P., (ETANOL, ISOPROPANOL), 3, III, (CANT. LTD, IP VOL ≤ 5.0 L) 14.7 ADGR (AUS): UN1987, ALCOHOLS, N.O.S., (ETHANOL, ISOPROPANOL), 3, III, (LTD QTY, IP VOL ≤ 5.0 L) 15. REGULATORY INFORMATION SARA Reporting Requirements: 15.1 This product contains Isopropyl Alcohol, a substance subject to SARA Title III (313) reporting and 40 CFR part 373. SARA Threshold Planning Quantity: 15.2 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): NA 15.5 Other Federal Requirements: This product does not contain any substances identified as Hazardous Air Pollutants (HAPs). 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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Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards SDS Revision: 1.0 SDS Revision Date: 3/3/2021 15. REGULATORY INFORMATION – cont'd 15.7 State Regulatory Information: Propylene Glycol Butyl Ether is found on the following state criteria list: Pennsylvania Right-to-Know List (PA). Limonene is listed on the following state criteria lists: Massachusetts Hazardous Substances List (MA) and Pennsylvania Right-to-Know List (PA). 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. 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. 16. OTHER INFORMATION Other Information: WARNING! FLAMMABLE LIQUID AND VAPOR, CAUSES SERIOUS EYE IRRITATION, CAUSES MILD SKIN 16.1 IRRITATION. Read instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof (electrical/ventilating/lighting) equipment. Use non-sparking tools. Take action to prevent static discharges. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. In case of fire use CO2, BC powder, Dry Chemical, Foam, water mist. Store in a well-ventilated place. Keep cool. Store locked up. KEEP OUT OF REACH OF CHILDREN. 16.2 Terms & Definitions: See last page of this Safety Data Sheet. Disclaimer: This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. 16.3 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. Prepared for: 16.4 STARKE YACHT CARE 17000 Alico Commerce Ct. Suite 101 Fort Myers, FL 33912 Tel: +1 (800) 203-5315 Yacht Surface Technologies 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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REACTIVITY

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

SDS Revision Date: 3/3/2021

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

FIRST AID MEASURES:

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

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

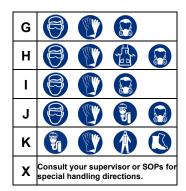
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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



PERSONAL PROTECTION RATINGS:

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

















Dust & Vapor Half-Mask Respirator **Full Face Respirator**

Full Face Respirator



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

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILI	FLAMMABILITY LIMITS IN AIR:				
Autoignition Temperature Minimum temperature required to initiate combustion in air with no configuration 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	FLAMMABILITY	
1	Slight Hazard	PLAMMABILITI
2 Moderate Hazard		
3	Severe Hazard	
4	Extreme Hazard	
ACD	Acidic	
ALK	Alkaline	
COR	Corrosive	/ 📉 🕂
₩	Use No Water	HEALTH
ОХ	Oxidizer	· ·
TREFOIL	Radioactive	

TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals	
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal	
ppm Concentration expressed in parts of material per million parts		
TDio	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	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	(4)	(2)		\odot	®		
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:

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