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### SAFETY DATA SHEET

Page 1 of 6 **SYC-010** 

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

SDS Revision: 1.0

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1.1	Product Name:				<b>IPAN</b> T	IDENI			N				
		-	<u>KE IGNI</u>	TION									
1.2	Chemical Name:	Mixture											
1.3	Synonyms:	Ignition											
1.4	Trade Names:	Starke Ign											
1.5	Product Use:			ections and ci	reate smoo	th polished	d finish o	n gel co	oat an	d paint	ted sur	faces	
1.6	Distributor's Name:			Technologies			040						
1.7	Distributor's Address:			e Ct., Suite 1		ers, FL 33	912						
1.8	Emergency Phone:			(239) 851-	-6030								
1.9	Business Phone / Fax:	+1 (800) 20	03-5315										
			2. HA	ZARDS	IDENT	FICAT	ION						
2.1	Hazard Identification:	Prepared						ards I	ntende	ed to	compl	v with	OSHA 29 CFF
				WHMIS and							сор.	,	00.0.20 0.1
		DANGER!	MAY BE F	ATAL IF SW	ALLOWED	AND EN	TERS TH	IE ÁIR	WAYS	. CAU	ISES E	EYE IR	RITATION.
		Classifica	tion: Asp. To	ox. 1; Eye Irrit	. 2B								
2.2	Label Elements:	Hazard St	atements (F	H):H304 – Ma	y be fatal	if swallow	ed and e	enters t	he air	ways.	H320	-	
		Causes ey	/e irritation.		•								
				<u>ents</u> (P): P260									
				on skin, or or									
				P310 – IF SW									$\langle \mathcal{A} \rangle$
				ce vomiting. I									
				utes. Remov									
				<ul> <li>If eye irritati pose of conte</li> </ul>									•
		facility (TS		pose of conte	ms/comain		inseu lie	ament	, siora	ge or c	uspos	ai	
2.3	Other Warnings:		/	H OF CHILD									
-	- <b>3</b>		T OF READ										
		3. CON			GREDI		FOR			IMITS IN	I AIR (m	g/m³)	
						ACGIH		NOHSC			OSHA		
						ppm		ppm			ppm		
HEMI	CAL NAME(S)	CAS No	RTECS No	FINECS No	%		ES-	ES-	ES-	PEI		Ю Н	OTHER
HEMI	CAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV ST	EL TWA	ES- STEL	PEAK	PEL	STEL	IDLH	OTHER
		CAS No.		EINECS No.	% BAL		EL TWA	ES-		PEL NA		IDLH NA	OTHER
VATE	R			231-791-2		TLV ST	A NF	ES- STEL	PEAK		STEL		OTHER (5) MAK
WATE		7732-18-5 1344-28-1 Acute Tox. 4	ZC0110000 BD1200000 (Oral); H302	231-791-2	BAL	TLV STI	A NF	ES- STEL	PEAK NF	NA	STEL NA	NA	
VATE ALUM DISTII	R INUM OXIDE LLATES (PETROLEUM),	7732-18-5 1344-28-1 Acute Tox. 4	ZC0110000	231-791-2	BAL	TLV STI	A NF	ES- STEL	PEAK NF	NA	STEL NA	NA	
VATE	R	7732-18-5 1344-28-1 Acute Tox. 4 64742-47-8 Asp. Tox, 1; 1	ZC0110000 BD1200000 (Oral); H302 OA5504000 H304	231-791-2 215-691-6 265-149-8	BAL 10-15 8-12	TLV STI NA N/ NA N/ NA N/	A NF	ES- STEL NF NF	PEAK NF NF NF	NA NA (5)	NA NA NA	NA NA NA	
VATE ALUM DISTIL IYDR ALIPH	R INUM OXIDE LATES (PETROLEUM), OTREATED LIGHT ATIC LIGHT HYDROCARBON	7732-18-5 1344-28-1 Acute Tox. 4 64742-47-8 Asp. Tox, 1; 1 64742-89-8	ZC0110000 BD1200000 (Oral); H302 OA5504000 H304 NA	231-791-2	BAL 10-15	TLV STI NA NA	A NF	ES- STEL	NF NF	NA NA	STEL NA NA	NA	
VATE ALUM DISTIL IYDR ALIPH	R INUM OXIDE LATES (PETROLEUM), OTREATED LIGHT ATIC LIGHT HYDROCARBON	7732-18-5 1344-28-1 Acute Tox. 4 64742-47-8 Asp. Tox. 1; 1 64742-89-8 Asp. Tox. 1; 1	ZC0110000 BD1200000 (Oral); H302 OA5504000 H304 NA H304	231-791-2 215-691-6 265-149-8 265-192-2	BAL 10-15 8-12 8-12	TLV STI NA NA NA NA NA NA 300 NA	A NF A NF A NF	NF NF NF NF	PEAK NF NF NF NF	NA NA (5) 300	STEL NA NA NA	NA NA NA	
NATE ALUM DISTIL HYDR ALIPH SOLVI	R INUM OXIDE LATES (PETROLEUM), OTREATED LIGHT ATIC LIGHT HYDROCARBON	7732-18-5 1344-28-1 Acute Tox. 4 64742-47-8 Asp. Tox, 1; 1 64742-89-8	ZC0110000 BD1200000 (Oral); H302 OA5504000 H304 NA	231-791-2 215-691-6 265-149-8	BAL 10-15 8-12	TLV STI NA N/ NA N/ NA N/	A NF A NF A NF	ES- STEL NF NF	PEAK NF NF NF	NA NA (5)	NA NA NA	NA NA NA	
NATE ALUM DISTIL HYDR ALIPH SOLVI	R INUM OXIDE LLATES (PETROLEUM), OTREATED LIGHT ATIC LIGHT HYDROCARBON ENT*	7732-18-5 1344-28-1 Acute Tox. 4 64742-47-8 Asp. Tox. 1; 64742-89-8 Asp. Tox. 1; NA	ZC0110000 BD1200000 (Oral); H302 OA5504000 H304 NA H304 NA	231-791-2 215-691-6 265-149-8 265-192-2 NA	BAL 10-15 8-12 8-12 1-2	TLV STI NA N, NA N, NA N, 300 N, NA N,	A NF A NF A NF A NF	ES- STEL NF NF NF	PEAK NF NF NF NA NF	NA NA (5) 300 NA	STEL NA NA NA NA	NA NA NA NA	
WATE ALUM DISTIL HYDR ALIPH SOLVI	R INUM OXIDE LLATES (PETROLEUM), OTREATED LIGHT ATIC LIGHT HYDROCARBON ENT*	7732-18-5 1344-28-1 Acute Tox. 4 64742-47-8 Asp. Tox. 1; 1 64742-89-8 Asp. Tox. 1; 1 NA 112-80-1	ZC0110000 BD1200000 (Oral); H302 OA5504000 H304 NA H304 NA RG2275000	231-791-2 215-691-6 265-149-8 265-192-2	BAL 10-15 8-12 8-12	TLV STI NA NA NA NA NA NA 300 NA	EL TWA	NF NF NF NF	PEAK NF NF NF NF	NA NA (5) 300	STEL NA NA NA	NA NA NA	
VATE ALUM DISTIL HYDR ALIPH SOLVI	R INUM OXIDE LLATES (PETROLEUM), OTREATED LIGHT ATIC LIGHT HYDROCARBON ENT* LIC POLYMER	7732-18-5 1344-28-1 Acute Tox. 4 64742-47-8 Asp. Tox. 1; 1 64742-89-8 Asp. Tox. 1; 1 NA 112-80-1 Skin Irrit. 2; F	ZC0110000 BD1200000 (Oral); H302 OA5504000 H304 NA H304 NA RG2275000 H315	231-791-2 215-691-6 265-149-8 265-192-2 NA 204-007-1	BAL 10-15 8-12 8-12 1-2 0-0.1	TLV STI NA N, NA N, 300 N, NA N, NA N,	A NF A NF A NF A NF A NF	ES- STEL NF NF NF NF NF NF	PEAK NF NF NA NF	NA NA (5) 300 NA NA	STEL NA NA NA NA NA	NA NA NA NA NA	
VATE ALUM DISTIL HYDR ALIPH SOLVI ACRY DLEIC	R INUM OXIDE LLATES (PETROLEUM), OTREATED LIGHT ATIC LIGHT HYDROCARBON ENT* LIC POLYMER	7732-18-5 1344-28-1 Acute Tox. 4 64742-47-8 Asp. Tox. 1; 1 64742-89-8 Asp. Tox. 1; 1 NA 112-80-1 Skin Irrit. 2; F 124-68-5	ZC0110000 BD1200000 (Oral); H302 OA5504000 H304 NA H304 NA RG2275000 H315 NA	231-791-2 215-691-6 265-149-8 265-192-2 NA 204-007-1 204-709-8	BAL 10-15 8-12 8-12 1-2	TLV STI NA N, NA N, NA N, 300 N, NA N,	A NF A NF A NF A NF A NF	ES- STEL NF NF NF	PEAK NF NF NF NA NF	NA NA (5) 300 NA	STEL NA NA NA NA	NA NA NA NA	
	R INUM OXIDE LATES (PETROLEUM), OTREATED LIGHT ATIC LIGHT HYDROCARBON ENT* LIC POLYMER ACID DMETHYL PROPANOL	7732-18-5 1344-28-1 Acute Tox. 4 64742-47-8 Asp. Tox. 1; 1 64742-89-8 Asp. Tox. 1; 1 NA 112-80-1 Skin Irrit. 2; F 124-68-5	ZC0110000 BD1200000 (Oral); H302 OA5504000 H304 NA H304 NA RG2275000 H315	231-791-2 215-691-6 265-149-8 265-192-2 NA 204-007-1 204-709-8	BAL 10-15 8-12 8-12 1-2 0-0.1	TLV STI NA N, NA N, 300 N, NA N, NA N,	A NF A NF A NF A NF A NF	ES- STEL NF NF NF NF NF NF	PEAK NF NF NA NF	NA NA (5) 300 NA NA	STEL NA NA NA NA NA	NA NA NA NA NA	
	R INUM OXIDE LLATES (PETROLEUM), OTREATED LIGHT ATIC LIGHT HYDROCARBON ENT* LIC POLYMER : ACID	7732-18-5 1344-28-1 Acute Tox. 4 64742-47-8 Asp. Tox. 1; 1 64742-89-8 Asp. Tox. 1; 1 NA 112-80-1 Skin Irrit. 2; F 124-68-5	ZC0110000 BD1200000 (Oral); H302 OA5504000 H304 NA H304 NA RG2275000 H315 NA	231-791-2 215-691-6 265-149-8 265-192-2 NA 204-007-1 204-709-8	BAL 10-15 8-12 8-12 1-2 0-0.1	TLV STI NA N, NA N, 300 N, NA N, NA N,	A NF A NF A NF A NF A NF	ES- STEL NF NF NF NF NF NF	PEAK NF NF NA NF	NA NA (5) 300 NA NA	STEL NA NA NA NA NA	NA NA NA NA NA	
WATE ALUM DISTIL HYDR ALIPH SOLVI ACRY DLEIC	R INUM OXIDE LATES (PETROLEUM), OTREATED LIGHT ATIC LIGHT HYDROCARBON ENT* LIC POLYMER ACID DMETHYL PROPANOL	7732-18-5 1344-28-1 Acute Tox. 4 64742-47-8 Asp. Tox. 1; 1 64742-89-8 Asp. Tox. 1; 1 NA 112-80-1 Skin Irrit. 2; F 124-68-5	ZC0110000 (Oral); H302 (OA5504000 H304 NA H304 NA RG2275000 H315 NA Skin Irrit. 2; H3	231-791-2 215-691-6 265-149-8 265-192-2 NA 204-007-1 204-709-8	BAL 10-15 8-12 8-12 1-2 0-0.1 0-0.1	TLV STI NA NA NA NA NA NA 300 NA NA NA NA NA	A NF A NF A NF A NF A NF A NF A NF	ES- STEL NF NF NF NF NF NF	PEAK NF NF NA NF	NA NA (5) 300 NA NA	STEL NA NA NA NA NA	NA NA NA NA NA	
WATE ALUM DISTII HYDR ALIPH ALIPH ACRY DLEIC DLEIC AMING * con	R INUM OXIDE LATES (PETROLEUM), OTREATED LIGHT ATIC LIGHT HYDROCARBON ENT* LIC POLYMER ACID DMETHYL PROPANOL	7732-18-5 1344-28-1 Acute Tox. 4 64742-47-8 Asp. Tox. 1; 1 64742-89-8 Asp. Tox. 1; 1 NA 112-80-1 Skin Irrit. 2; F 124-68-5 Eye Irrit. 2; S	ZC0110000 BD1200000 (Oral); H302 OA5504000 H304 NA H304 NA RG2275000 H315 NA kin Irrit. 2; H3	231-791-2 215-691-6 265-149-8 265-192-2 NA 204-007-1 204-709-8 119, H315, FIRST A	BAL 10-15 8-12 8-12 1-2 0-0.1 0-0.1 ID MEA	TLV STI NA NA NA NA 300 NA NA NA NA NA NA NA SURE	A NF A NF A NF A NF A NF A NF A NF A NF	ES- STEL NF NF NF NF NF NF	PEAK NF NF NA NF NF	NA NA (5) 300 NA NA NA	STEL NA NA NA NA NA NA	NA NA NA NA NA NA	(5) MAK
WATE ALUM DISTII HYDR ALIPH ALIPH ACRY DLEIC DLEIC AMING * con	R INUM OXIDE LLATES (PETROLEUM), OTREATED LIGHT ATIC LIGHT HYDROCARBON ENT* LIC POLYMER CACID DMETHYL PROPANOL tains ≤ 0.1 Benzene	7732-18-5 1344-28-1 Acute Tox. 4 64742-47-8 Asp. Tox. 1; 1 64742-89-8 Asp. Tox. 1; 1 NA 112-80-1 Skin Irrit. 2; F 124-68-5	ZC0110000 BD1200000 (Oral); H302 OA5504000 H304 NA H304 NA RG2275000 H315 NA kin Irrit. 2; H3 Ka If inge	231-791-2 215-691-6 265-149-8 265-192-2 NA 204-007-1 204-709-8 119, H315, FIRST A ested, do not	BAL 10-15 8-12 8-12 1-2 0-0.1 0-0.1 ID MEA induce von	TLV STI NA NA NA NA NA NA 300 NA NA NA NA NA NA NA NA NA NA NA	A NF A NF A NF A NF A NF A NF A NF A NF	ES- STEL NF NF NF NF NF NF NF as bee	PEAK NF NF NF NF NF NF NF	NA           NA           (5)           300           NA           NA           NA           NA           Ilowed	STEL NA NA NA NA NA NA	NA NA NA NA NA NA	(5) MAK
WATE ALUM DISTII HYDR ALIPH ALIPH ACRY DLEIC DLEIC AMING * con	R INUM OXIDE LLATES (PETROLEUM), OTREATED LIGHT ATIC LIGHT HYDROCARBON ENT* LIC POLYMER CACID DMETHYL PROPANOL tains ≤ 0.1 Benzene	7732-18-5 1344-28-1 Acute Tox. 4 64742-47-8 Asp. Tox. 1; 1 64742-89-8 Asp. Tox. 1; 1 NA 112-80-1 Skin Irrit. 2; F 124-68-5 Eye Irrit. 2; S	ZC0110000 BD1200000 (Oral); H302 OA5504000 H304 NA H304 NA RG2275000 H315 NA RG2275000 H315 NA H304 H304 NA RG2275000 H315 NA H10 H10 H10 H10 H10 H10 H10 H10 H10 H10	231-791-2 231-791-2 231-791-2 245-691-6 265-149-8 265-192-2 NA 204-007-1 204-709-8 19, H315, FIRST A ested, do not DIATELY. If	BAL 10-15 8-12 8-12 1-2 0-0.1 0-0.1 ID MEA induce von the patient	TLV STI NA	A NF A NF A NF A NF A NF A NF A NF A NF	ES- STEL NF NF NF NF NF NF NF as bee ue to of	PEAK NF NF NF NF NF NF NF n swal fer wa	NA NA (5) 300 NA NA NA	STEL NA NA NA NA NA NA , drink milk. N	NA NA NA NA NA NA Plenty	(5) MAK
WATE ALUM DISTII HYDR ALIPH ALIPH ACRY DLEIC DLEIC AMING * con	R INUM OXIDE LLATES (PETROLEUM), OTREATED LIGHT ATIC LIGHT HYDROCARBON ENT* LIC POLYMER CACID DMETHYL PROPANOL tains ≤ 0.1 Benzene	7732-18-5 1344-28-1 Acute Tox. 4 64742-47-8 Asp. Tox. 1; 1 64742-89-8 Asp. Tox. 1; 1 NA 112-80-1 Skin Irrit. 2; F 124-68-5 Eye Irrit. 2; S	ZC0110000 BD1200000 (Oral); H302 OA5504000 H304 NA H304 NA RG2275000 H315 NA Skin Irrit. 2; H3 Kin Irrit. 2; H3	231-791-2 231-791-2 215-691-6 265-149-8 265-192-2 NA 204-007-1 204-709-8 19, H315, FIRST A ested, do not DIATELY. If unconscious	BAL 10-15 8-12 8-12 1-2 0-0.1 0-0.1 ID MEA induce von the patient person. Co	TLV STI NA NA NA NA	A NF A NF A NF A NF A NF A NF A NF A NF	ES- STEL NF NF NF NF NF NF NF as bee ue to of oison C	PEAK NF NF NF NF NF NF n swal fer wa	NA NA (5) 300 NA NA NA Ilowed ter or r Cente	STEL NA NA NA NA NA NA NA	NA NA NA NA NA NA NA	(5) MAK
WATE ALUM DISTII HYDR ALIPH ALIPH ACRY DLEIC DLEIC AMING * con	R INUM OXIDE LLATES (PETROLEUM), OTREATED LIGHT ATIC LIGHT HYDROCARBON ENT* LIC POLYMER CACID DMETHYL PROPANOL tains ≤ 0.1 Benzene	7732-18-5 1344-28-1 Acute Tox. 4 64742-47-8 Asp. Tox. 1; 1 64742-89-8 Asp. Tox. 1; 1 NA 112-80-1 Skin Irrit. 2; F 124-68-5 Eye Irrit. 2; S	ZC0110000 BD1200000 (Oral); H302 OA5504000 H304 NA H304 NA RG2275000 H315 NA Skin Irrit. 2; H3 Kin Irrit. 2; H3 Lf inge IMME to an in Provid	231-791-2 231-791-2 215-691-6 265-149-8 265-192-2 NA 204-007-1 204-709-8 19, H315, FIRST A ested, do not DIATELY. If unconscious	BAL 10-15 8-12 8-12 1-2 0-0.1 0-0.1 1D MEA induce von the patient berson. Co e of the time	TLV STI NA NA NA NA	A NF A NF A NF A NF A NF A NF A NF A NF	ES- STEL NF NF NF NF NF NF NF as bee ue to of oison C	PEAK NF NF NF NF NF NF n swal fer wa	NA NA (5) 300 NA NA NA Ilowed ter or r Cente	STEL NA NA NA NA NA NA NA	NA NA NA NA NA NA NA	(5) MAK
WATE ALUM DISTII HYDR ALIPH ALIPH ACRY DLEIC DLEIC AMING * con	R INUM OXIDE LLATES (PETROLEUM), OTREATED LIGHT ATIC LIGHT HYDROCARBON ENT* LIC POLYMER CACID DMETHYL PROPANOL tains ≤ 0.1 Benzene	7732-18-5           1344-28-1           Acute Tox. 4           64742-47-8           Asp. Tox. 1;           64742-89-8           Asp. Tox. 1;           NA           112-80-1           Skin Irrit. 2; F           124-68-5           Eye Irrit. 2; S	ZC0110000 BD1200000 (Oral); H302 OA5504000 H304 NA H304 NA RG2275000 H315 NA Skin Irrit. 2; H3 Kin Irrit. 2; H3 Lf inge IMME to an in Provio that w	231-791-2         215-691-6         265-149-8         265-192-2         NA         204-007-1         204-709-8         19, H315,    FIRST A ested, do not EDIATELY. If unconscious p de an estimate vas swallowed	BAL 10-15 8-12 8-12 1-2 0-0.1 0-0.1 10 MEA induce von the patient berson. Co e of the time 1.	TLV     STI       NA     Na       NA     Na       NA     Na       300     Na       NA     Na       Na <td>A NF A NF A NF A NF A NF A NF A NF A NF</td> <td>ES- STEL NF NF NF NF NF NF NF as bee ue to of oison C rial was</td> <td>PEAK NF NF NF NF NF NF n swal fer wa Control</td> <td>NA NA (5) 300 NA NA NA Ilowed ter or r Cente ted and</td> <td>STEL NA NA NA NA NA NA NA , drink milk. N er or loo d the a</td> <td>NA NA NA NA NA NA NA</td> <td>(5) MAK</td>	A NF A NF A NF A NF A NF A NF A NF A NF	ES- STEL NF NF NF NF NF NF NF as bee ue to of oison C rial was	PEAK NF NF NF NF NF NF n swal fer wa Control	NA NA (5) 300 NA NA NA Ilowed ter or r Cente ted and	STEL NA NA NA NA NA NA NA , drink milk. N er or loo d the a	NA NA NA NA NA NA NA	(5) MAK
WATE ALUM DISTII HYDR ALIPH SOLVI ACRY DLEIC DLEIC AMING * con	R INUM OXIDE LLATES (PETROLEUM), OTREATED LIGHT ATIC LIGHT HYDROCARBON ENT* LIC POLYMER CACID DMETHYL PROPANOL tains ≤ 0.1 Benzene	7732-18-5 1344-28-1 Acute Tox. 4 64742-47-8 Asp. Tox. 1; 1 64742-89-8 Asp. Tox. 1; 1 NA 112-80-1 Skin Irrit. 2; F 124-68-5 Eye Irrit. 2; S	ZC0110000 BD1200000 (Oral); H302 OA5504000 H304 NA H304 NA RG2275000 H315 NA Skin Irrit. 2; H3 If inge IMME to an i Provic that w Splas	231-791-2         215-691-6         265-149-8         265-192-2         NA         204-007-1         204-709-8         19, H315,    FIRST A ested, do not EDIATELY. If unconscious p de an estimate vas swallowed	BAL 10-15 8-12 8-12 1-2 0-0.1 0-0.1 ID MEA induce von the patient person. Co e of the time likely; how	TLV     STI       NA     N/       NA     N/       NA     N/       300     N/       NA     N/       SUREE     If p       is vomiting.     If p       ever, if p     p	EL     TWA       A     NF       B     NF       Control     NF       B     NF       Control     NF	ES- STEL NF NF NF NF NF NF as bee ue to of oison C rial was ets in t	PEAK NF NF NF NF NF NF n swal fer wa Control	NA NA (5) 300 NA NA NA Illowed ter or r Cente ted and es, flu	STEL NA NA NA NA NA NA NA MA MA MA MA	NA NA NA NA NA NA NA NA NA NA NA NA	(5) MAK
WATE ALUM DISTII HYDR ALIPH SOLVI ACRY OLEIC AMING	R INUM OXIDE LLATES (PETROLEUM), OTREATED LIGHT ATIC LIGHT HYDROCARBON ENT* LIC POLYMER CACID DMETHYL PROPANOL tains ≤ 0.1 Benzene	7732-18-5           1344-28-1           Acute Tox. 4           64742-47-8           Asp. Tox. 1;           64742-89-8           Asp. Tox. 1;           NA           112-80-1           Skin Irrit. 2; F           124-68-5           Eye Irrit. 2; S	ZC0110000 BD1200000 (Oral); H302 OA5504000 H304 NA H304 NA RG2275000 H315 NA RG2275000 H315 NA If inge IMME to an in Provio that w Splas lukew	231-791-2         215-691-6         265-149-8         265-192-2         NA         204-007-1         204-709-8         19, H315,    FIRST A ested, do not EDIATELY. If unconscious p de an estimate vas swallowed hes are not arm water for	BAL 10-15 8-12 8-12 1-2 0-0.1 0-0.1 1D MEA induce von the patient berson. Co e of the time likely; how at least 15	TLV     STI       NA     N/       NA     N/       NA     N/       300     N/       300     N/       NA     N/       NA </td <td>EL     TWA       A     NF       B     Optimized and the set of t</td> <td>ES- STEL NF NF NF NF NF NF NF as bee ue to of oison C rial was ets in t</td> <td>PEAK NF NF NF NF NF NF n swal fer wa Control</td> <td>NA (5) 300 NA NA NA Illowed ter or r Cente ted and es, fluntact a</td> <td>STEL NA NA NA NA NA NA NA MA NA NA Strono loo d the a ush wite physic</td> <td>NA NA NA NA NA NA NA NA NA NA NA NA NA</td> <td>(5) MAK (5) MAK</td>	EL     TWA       A     NF       B     Optimized and the set of t	ES- STEL NF NF NF NF NF NF NF as bee ue to of oison C rial was ets in t	PEAK NF NF NF NF NF NF n swal fer wa Control	NA (5) 300 NA NA NA Illowed ter or r Cente ted and es, fluntact a	STEL NA NA NA NA NA NA NA MA NA NA Strono loo d the a ush wite physic	NA NA NA NA NA NA NA NA NA NA NA NA NA	(5) MAK (5) MAK
WATE ALUM DISTII HYDR ALIPH SOLVI ACRY DLEIC DLEIC AMING * con	R INUM OXIDE LLATES (PETROLEUM), OTREATED LIGHT ATIC LIGHT HYDROCARBON ENT* LIC POLYMER CACID DMETHYL PROPANOL tains ≤ 0.1 Benzene	7732-18-5           1344-28-1           Acute Tox. 4           64742-47-8           Asp. Tox. 1;           64742-89-8           Asp. Tox. 1;           NA           112-80-1           Skin Irrit. 2; F           124-68-5           Eye Irrit. 2; S	ZC0110000 BD1200000 (Oral); H302 OA5504000 H304 NA H304 NA RG2275000 H315 NA Skin Irrit. 2; H3 If inge IMME to an i Provic that w Splas lukew If irrita	231-791-2         215-691-6         265-149-8         265-192-2         NA         204-007-1         204-709-8         119, H315, <b>FIRST A</b> ested, do not EDIATELY. If unconscious p de an estimate vas swallowed hes are not varm water for ation occurs a	BAL 10-15 8-12 8-12 1-2 0-0.1 0-0.1 ID MEA induce von the patient person. Co e of the time likely; how at least 15 and product	TLV     STI       NA     N/       NA     N/       NA     N/       300     N/       300     N/       NA     N/       SUREE     If p       is on the     is on the	EL     TWA       A     NF       B     NF       Control     NF       B     NF       Control     NF       Control     NF       Control     NF       Control     NF       S     NF       Control     NF       Signal     NF       Signal     NF       NF     NF	ES- STEL NF NF NF NF NF NF NF as bee ue to of oison C rial was ets in to n occu	PEAK NF NF NF NF NF NF NF n swal fer wa Control ingesi	NA (5) 300 NA NA NA Illowed ter or r Cente ted and es, flu ntact a with lu	NA NA NA NA NA NA NA NA NA NA NA NA NA N	NA NA NA NA NA NA NA NA NA NA NA NA NA N	(5) MAK
WATE ALUM DISTII HYDR ALIPH ALIPH ACRY DLEIC DLEIC AMING * con	R INUM OXIDE LLATES (PETROLEUM), OTREATED LIGHT ATIC LIGHT HYDROCARBON ENT* LIC POLYMER CACID DMETHYL PROPANOL tains ≤ 0.1 Benzene	7732-18-5           1344-28-1           Acute Tox. 4           64742-47-8           Asp. Tox. 1;           64742-89-8           Asp. Tox. 1;           NA           112-80-1           Skin Irrit. 2; F           124-68-5           Eye Irrit. 2; S	ZC0110000 BD1200000 (Oral); H302 OA5504000 H304 NA H304 NA RG2275000 H315 NA Skin Irrit. 2; H3 If inge IMME to an I Provic that w Splas lukew If irrita thorou	231-791-2         215-691-6         265-149-8         265-192-2         NA         204-007-1         204-709-8         119, H315, <b>FIRST A</b> ested, do not EDIATELY. If unconscious p de an estimate vas swallowed hes are not varm water for ation occurs a	BAL 10-15 8-12 8-12 1-2 0-0.1 0-0.1 ID MEA induce von the patient berson. Co o of the time likely; how at least 15 und product of the affect	TLV     STI       NA     N/       NA     N/       NA     N/       300     N/       300     N/       NA     N/       SURE     If p       ntact the r     at which the r       ever, if p     minutes.       is on the     at area with	EL     TWA       A     NF       B     NF       Control     NF       B     NF       Control     NF       Control     NF       Control     NF       Control     NF       S     NF       Control     NF       Signal     NF       Signal     NF       NF     NF	ES- STEL NF NF NF NF NF NF NF as bee ue to of oison C rial was ets in to n occu	PEAK NF NF NF NF NF NF NF n swal fer wa Control ingesi	NA (5) 300 NA NA NA Illowed ter or r Cente ted and es, flu ntact a with lu	NA NA NA NA NA NA NA NA NA NA NA NA NA N	NA NA NA NA NA NA NA NA NA NA NA NA NA N	(5) MAK (5) MAK



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		<u>4. FIRST All</u>	D MEASURES – co	ont'd		
4.2	Effects of Exposure:	Eves: Moderately irritati and watering.	owed, may cause nausea, v ng to the eyes. Symptoms o skin. The product can cau individuals.	of overexposure r	may include rednes	-
4.3	Symptoms of Overexposure:	Ingestion:         Nausea, intestina           Eyes:         Overexposure in           Skin:         Symptoms of skir	l discomfort, vomiting and/or eyes may cause redness, ito overexposure may include r c skin reactions (e.g., rashes	ching and watering redness, itching, a	nd irritation of affect	
4.4	Acute Health Effects:	Non-irritating when used as dir concentrations of vapors can ca	ected. Moderate irritation to	o eyes and skin n	ear affected areas.	
4.5	Chronic Health Effects:	Non-irritating when used as dire May also induce skin sensitizat	cted. Overexposure may trig	gger asthma-like sy	mptoms in some se	ensitive individuals.
4.6	Target Organs:	Eyes				
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other s the target organs (eyes).	kin conditions, and disorde	FLAMMA PHYSICA	BILITY IL HAZARDS TIVE EQUIPMEN	1 0 0 IT B
		5. FIREFIC	GHTING MEASUR	ES		
5.1	Fire & Explosion Hazards:	This product is not flammable. high temperatures to form toxic		e, this product ma	y decompose at	
5.2	Extinguishing Methods:	Water, Foam, CO2, Dry Chemic	al. Use water spray to cool	unopened contain	ers.	
		contained breathing apparatus	(manager and a manager of a model for all			
		cool until well after the fire is ou personal. Fight fire upwind. Av danger of boil-over. Prevent ru drinking water supply, or any na NIOSH-approved positive pre- potential hazardous combustion	t. Use water spray to cool fin roid spraying water directly i unoff from fire control or dilu tural waterway. Firefighters ssure self-contained breath	re-exposed surface into storage contai ition from entering must use full bunk ing apparatus to	es and to protect ners because of sewers, drains, er gear including protect against	
		personal. Fight fire upwind. Av danger of boil-over. Prevent ru drinking water supply, or any na NIOSH-approved positive pres potential hazardous combustion	t. Use water spray to cool fin roid spraying water directly i unoff from fire control or dilu tural waterway. Firefighters ssure self-contained breath	re-exposed surface into storage contai ution from entering must use full bunk ing apparatus to and oxygen defici	es and to protect ners because of sewers, drains, er gear including protect against	
6.1	Spills:	personal. Fight fire upwind. Av danger of boil-over. Prevent ru drinking water supply, or any na NIOSH-approved positive pres potential hazardous combustion	t. Use water spray to cool fir void spraying water directly i unoff from fire control or dilu- tural waterway. Firefighters soure self-contained breath or decomposition products <b>L RELEASE MEA</b> ak, individuals involved in s <b>te slippery if spilled.</b> In (3.8 L)) wear appropriate rs and windows) and secur to appropriate closed conta- ulations. Wash all affected a inated clothing and wash the (3.8 L)), deny entry to all u (se ONLY non-sparking tool- id diking material to separat cted skin areas with soap and	re-exposed surface into storage contai ition from entering must use full bunk ing apparatus to and oxygen defici <b>SURES</b> pill cleanup must e personal protecti re all sources of ig ainer(s) for dispose areas and outside oroughly before re unprotected individ s for recovery and e containers for pr	es and to protect ners because of sewers, drains, er gear including protect against encies. wear appropriate F ve equipment (e.g. gnition. Remove s al. Dispose of prop of container with pl use. luals. Dike and con cleanup. Transfer oper disposal. Rer	, goggles, gloves). pilled material with perly in accordance enty of warm water ntain spill with inert liquid to containers nove contaminated
6.1	Spills:	personal. Fight fire upwind. Av danger of boil-over. Prevent ru drinking water supply, or any na NIOSH-approved positive pres- potential hazardous combustion <b>6. ACCIDENTA</b> Before cleaning any spill or lea Equipment. <b>CAUTION – may b</b> For <u>small spills</u> (e.g., < 1 gallo Maximize ventilation (open doc absorbent material and place in with local, state and federal reg and soap. Remove any contam For <u>large spills</u> (e.g., ≥ 1 gallor material (e.g., sand or earth). U for recovery or disposal and so clothing promptly and wash affe sewers and open bodies of wate <b>7. HANDLING &amp;</b>	t. Use water spray to cool fir yoid spraying water directly i unoff from fire control or dilu- tural waterway. Firefighters sure self-contained breath or decomposition products <b>L RELEASE MEA</b> ak, individuals involved in s re slippery if spilled. In (3.8 L)) wear appropriate rs and windows) and secur to appropriate closed conta- ulations. Wash all affected a inated clothing and wash the (3.8 L)), deny entry to all u- lse ONLY non-sparking tool- id diking material to separat cted skin areas with soap an- er.	re-exposed surface into storage contai ition from entering must use full bunk ing apparatus to and oxygen defici SURES pill cleanup must e personal protecti areas and outside oroughly before re inprotected individ s for recovery and e containers for pr d water. Keep spil	es and to protect ners because of sewers, drains, er gear including protect against encies. wear appropriate F ve equipment (e.g. gnition. Remove s al. Dispose of prop of container with pl use. luals. Dike and con cleanup. Transfer roper disposal. Rer Is and cleaning rund	, goggles, gloves). pilled material with perly in accordance enty of warm water ntain spill with inert liquid to containers nove contaminated offs out of municipal
6.1	Spills: Work & Hygiene Practices:	personal. Fight fire upwind. Av danger of boil-over. Prevent ru drinking water supply, or any na NIOSH-approved positive pres- potential hazardous combustion <b>6. ACCIDENTA</b> Before cleaning any spill or lea Equipment. <b>CAUTION – may b</b> For <u>small spills</u> (e.g., < 1 gallo Maximize ventilation (open doc absorbent material and place in with local, state and federal reg and soap. Remove any contam For <u>large spills</u> (e.g., ≥ 1 gallor material (e.g., sand or earth). U for recovery or disposal and sol clothing promptly and wash affe sewers and open bodies of wate	t. Use water spray to cool fir void spraying water directly i unoff from fire control or dilu- tural waterway. Firefighters sure self-contained breath or decomposition products <b>L RELEASE MEA</b> ak, individuals involved in s <b>te slippery if spilled.</b> In (3.8 L)) wear appropriate rs and windows) and secur to appropriate closed conta ulations. Wash all affected a ulations. Wash all affected a ulations. Wash all affected a ulations. Wash all affected a ulations wash all affected a ulations and windows and seconLY non-sparking tool id diking material to separat cted skin areas with soap and ar. <b>STORAGE INFOR</b> en using this product. Wash ray. Avoid prolonged or repea	re-exposed surface into storage contai ition from entering must use full bunk ing apparatus to and oxygen defici <b>SURES</b> pill cleanup must e personal protecti re all sources of ig areas and outside oroughly before re unprotected individ s for recovery and e containers for pr d water. Keep spil <b>RMATION</b> n exposed areas th ated skin contact.	es and to protect ners because of sewers, drains, er gear including protect against encies. wear appropriate F ve equipment (e.g. gnition. Remove s al. Dispose of prop of container with pl use. luals. Dike and con cleanup. Transfer roper disposal. Rer Is and cleaning rund horoughly with soap Wash hands after ha	, goggles, gloves). pilled material with perly in accordance enty of warm water ntain spill with inert liquid to containers nove contaminated offs out of municipal offs out of municipal offs and water. Avoid andling, and before
		personal. Fight fire upwind. Av danger of boil-over. Prevent ru drinking water supply, or any na NIOSH-approved positive pres- potential hazardous combustion <b>6. ACCIDENTA</b> Before cleaning any spill or lea Equipment. <b>CAUTION – may b</b> For <u>small spills</u> (e.g., < 1 gallor Maximize ventilation (open doo absorbent material and place in with local, state and federal reg and soap. Remove any contarr For <u>large spills</u> (e.g., ≥ 1 gallor material (e.g., sand or earth). U for recovery or disposal and sol clothing promptly and wash affe sewers and open bodies of wate <b>7. HANDLING &amp;</b> Do not eat, drink or smoke wh breathing of vapors, mists or sp eating. Avoid breathing of dust	t. Use water spray to cool fir void spraying water directly i unoff from fire control or dilu- tural waterway. Firefighters soure self-contained breath or decomposition products <b>L RELEASE MEA</b> ak, individuals involved in s <b>the slippery if spilled.</b> In (3.8 L)) wear appropriate rs and windows) and secur to appropriate closed conta- ulations. Wash all affected a inated clothing and wash the (3.8 L)), deny entry to all u Jse ONLY non-sparking tool id diking material to separate cted skin areas with soap an- er. <b>STORAGE INFOR</b> en using this product. Wash ray. Avoid prolonged or repea- created by sanding, grinding mes, store in well-ventilated	re-exposed surface into storage contai ition from entering must use full bunk ing apparatus to and oxygen defici <b>SURES</b> pill cleanup must e personal protecti re all sources of ig aneas and outside oroughly before re unprotected individ s for recovery and e containers for pr d water. Keep spil <b>RMATION</b> n exposed areas th ated skin contact. V or machining. W	es and to protect ners because of sewers, drains, er gear including protect against encies. wear appropriate F ve equipment (e.g. gnition. Remove s al. Dispose of prop of container with pl use. luals. Dike and con cleanup. Transfer oper disposal. Rer Is and cleaning rund horoughly with soap Wash hands after ha hen polishing with p	, goggles, gloves). pilled material with perly in accordance enty of warm water ntain spill with inert liquid to containers nove contaminated offs out of municipal offs out of municipal offs and water. Avoid andling, and before product, keep moist



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		EXPOSURE CONTRO					UIE				•
3.1	Exposure Limits:		AC	GIH		NOHSC			OSHA		OTHER
	ppm (mg/m <sup>3</sup> )	CHEMICAL NAME(S)	TLV	STEL	ES- TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH	
		ALUMINUM OXIDE	NA	NA	NF	NF	NF	NA	NA	NA	(5) MAK
		DISTILLATES (PETROLEUM),	NA	NA	NF	NF	(5)	NA	NA	NA	
		HYDROTREATED LIGHT		NA	NF	NF	NA	300		NA	
		HYDROCARBON SOLVENT	300	NA	INF	INF	INA	300	NA	NA	
3.2	Ventilation & Engineering Controls:	Provide appropriate local exhau	st ventila	tion on o	pen cont	tainers.	When u	sina kee	p the pr	oduct me	oist at all time
		Use in an enclosed process are	a is recor	nmendeo	I. Use in	a well-	/entilate	d area. [	Do not u	se in a c	onfined area
		areas with little or no air moveme									
3.3	Respiratory Protection:	Avoid breathing of vapors, mists	or spray	. No spe	ecial resp	biratory	protectio	on is requ	uired un	der	
		typical circumstances of use of	or handli	ng. Ifˈr	iecessar	y, use	only re	spiratory	protect	ion	
		authorized per U.S. OSHA's re	equireme	nt in 29	CFR §1	910.134	l, or ap	plicable	U.S. st	ate	
		regulations, or the appropriate	standards	s of Can	ada, its	province	es, E.C.	member	r states,	or	
		Australia.									
8.4	Eye Protection:	AVOID EYE CONTACT. Wear						I.S. OSH	A 29 C	FR	
		§1910.133, Canadian standards	-								
8.5	Hand Protection:	AVOID SKIN CONTACT. Selec									
		contact based on the results of									
		protective clothing manufacture made from the following materia									2
		U.S. OSHA 29 CFR §1910.138									
		states.	, uic app	lopnate	standard		naua, o		. mem		
8.6	Body Protection:	No special body protection is re	equired u	inder tyni	cal circu	Imstanc	es of us	se and h	andling	lf 🕞	
	, ,	necessary, refer to appropriate s									
			landarao	or ound					0.0011	/	
		9. PHYSICAL &				DEDT					
				IICAL	FRU	FERI	IE3				
9.1	Appearance:	Off-white viscous liquid									
9.2	Odor:	Glass cleaner-like odor									
9.3	Odor Threshold:	NA									
9.4	pH:	6-7									
9.5	Melting Point/Freezing Point:	NA									
9.6	Initial Boiling Point/Boiling Range:	NA									
9.7	Flashpoint:	98.88°C (210°F)									
9.8	Upper/Lower Flammability Limits:	NA									
9.9	Vapor Pressure:	NA									
9.10	Vapor Density:	NA									
9.11	Relative Density:	1.02 @ 25°C									
9.12	Solubility:	Soluble									
9.13	Partition Coefficient (log Pow):	NA									
9.14	Autoignition Temperature:	NA									
9.15	Decomposition Temperature:	NA									
9.16	Viscosity:										
		ND									
9.17	Other Information:	NA									
					<b>AH</b> <sup>1</sup>						
		10. STABI	<u>LITY 8</u>	<u> </u>		ΙΓΥ					
10.1	Stability:	Stable under ambient conditions	when sto	ored prop	erly (See	e Sectior	n 7, Stor	age and	Handlin	g)	
10.2	Hazardous Decomposition Products:	If exposed to extremely high ten									ation vapors a
		nitrogen and carbon oxide gases							-		•
10.3	Hazardous Polymerization:	Hazardous polymerization will no	ot occur.								
10.4	Conditions to Avoid:	High temperatures and incompa		tances.							
10.5	Incompatible Substances:	Strong oxidizing agents.									
	· ·										
		11. TOXICOLO			OPM	ΔΤΙΟ	N				
1 4	Poutos of Entry:								le -	option:	
11.1	Routes of Entry:	Inhalation: YES				YES			-		ES
11.2	Toxicity Data:	This product has NOT been teste				cology d	ata. To	xicology	data, foi	und in sc	entific literatu
		is available for some of the com	ponents o	of the proc	duct.						
11.3	Acute Toxicity:	See Section 4.4									
	OL . T	0 0 5 15									
11.4	Chronic Toxicity:	See Section 4.5									



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		11. TOXICOLOGICAL INFORMATION – cont'd
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:	<u>General Nuisance Dusts</u> : Nuisance dusts, which are essentially nontoxic and chemically non-irritating. Skin contact has shown no problems other than possible drying and mechanical irritation. Eye contact can produce particulat irritation. Excessive inhalation can produce mild pulmonary irritation and possible non-disabling slight fibrosis of the lungs. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeate exposure.
11.8	Biological Exposure Indices:	NA
11.9	Physician Recommendations:	Treat symptomatically.
		12. ECOLOGICAL INFORMATION
12.1	Environmental Stability:	
12.1	Effects on Plants & Animals:	There are no specific data for this product.
12.3	Effects on Aquatic Life:	There are no specific data for this product. <u>Aluminum oxide:</u> Sticklebacks LD50 0.1 mg/L 24 hr. There are no specific data available for this product; however, very large releases of this product may be harmful c fatal to overexposed aquatic life.
	1	13. DISPOSAL CONSIDERATIONS
13.1	Waste Disposal:	
13.1	Waste Dispusal.	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.
14.1	49 CFR (GND):	uired by 49 CFR, IATA/ICAO, IMDG and the CTDGR.
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
	1	
	1	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 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):	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)
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 stat 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), 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 Hazardou 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 <u>www.P65Warnings.ca.gov</u> .
		This product is found on the following inventory lists: Australia - AICS, China – IECSC, Europe – ELINCS/EINEC



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		16. OTHER INF	ORMATION		
16.1	Other Information:	instructions before use. Do not handle unti dust/fume/gas/mist/vapor spray. Do not ge after handling. IF SWALLOWED: Immedia	<b>VED AND ENTERS THE AIRWAYS. CAUSES EYE IRRITATION.</b> Read all all safety precautions have been read and understood. Do not breathe t in eyes, on skin, or on clothing. Wash thoroughly with soap and water ately call a POISOIN CENTER/doctor. Do NOT induce vomiting. IF IN ral minutes. Remove contact lenses, if present and easy to do. Continue advice/attention. Store locked up.		
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	STARKE Yacht Surface 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		



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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	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:

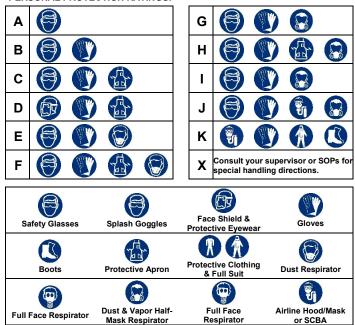
CF	PR	Cardiopulmonary resuscitation - method in which a person whose heart has			
		stopped receives manual chest compressions and breathing to circulate blood			
		and provide oxygen to the body.			

#### 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:



#### 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 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 <sub>50</sub>	Lethal Dose (solids & liquids) which kills 50% of the exposed animals			
LC <sub>50</sub>	Lethal concentration (gases) which kills 50% of the exposed animal			
ppm	Concentration expressed in parts of material per million parts			
TD <sub>I0</sub> Lowest dose to cause a symptom				
TCLo Lowest concentration to cause a symptom				
TD <sub>lo</sub> , LD <sub>lo</sub> , & LD <sub>o</sub> or	Lowest dose (or concentration) to cause lethal or toxic effects			
TC, TC <sub>o</sub> , LC <sub>io</sub> , & LC <sub>o</sub>				
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:

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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:

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