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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards

SDS Revision: 3.1

SDS Revision Date: 2/10/2018

		1	PRODUCT	L & COM	DANV	IDEN	ITIE	IC A	TIO	NI.				
1.1	Product Name:		SIN SOLE					_	_	'IN				
1.2	Chemical Name:	NA NA	JOIN SOLL	LKING	LUX,	( - / 14	NOI	-1/(	JUJ					
1.3	Synonyms:		Soldering Flux; P	NI DSE DOU										
1.4	Trade Names:		<u> </u>											
1.4 Trade Names: CAIG Rosin RSF-R80 Flux PART NOS:														
			-R80-8G (8 grai -R80-3KG (3 Kg	,.	art No. RS art No. RS		, ,	•	, .	Pa	rt No.	RSF-F	80-8 (	(226 g);
1.5	Product Uses & Restrictions:	Soldering Flu	х											
1.6	Distributor's Name:	CAIG Labora												
1.7	Distributor's Address:		ner Court, Poway											
1.8	Emergency Phone:	CHEMTRE	C: +1 (703)	527-3887 /	+1 (800	) 424-	9300	(CC	:N20	5206				
1.9	Business Phone / Fax:	+1 (800) 224-	4123											
			2 4	ZARDS I	DENT	IEIC /	\TIO	NI.						
2.1	Hazard Identification:	This product							oo D/	NOED	OLIC	COOF	· C	
2.1	nazaru ideniiiiCalion:		is classified as the classification									GUUL	ر ا	
			MAY CAUSE A					50	5540	,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	anaj.			
		Classification	: Skin Sens. 1B											
2.2	Label Elements:		ments (H): H317											
			/ Statements (F											
			80 – Wear prote – If skin irritation											
			this container l											
			+P313 – If eye											
			ainer to licenses									,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		•
2.3	Other Warnings:	KEEP LOCK	ED UP AND OU	T OF REACH	OF CHIL	DRÉN.								
		3. CO	OMPOSITI	ON & ING	REDI	ENT	<b>INF</b>	ORI	TAN	<b>TON</b>				
									EXP	SURE L	IMITS II	N AIR (m	ıg/m³)	
						ACG	IH		NOHS			OSHA		
						ppr	n		ppm	1		ppm	1	_
СНЕМ	ICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES- TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH	OTHER
\^/\^/	GUM ROSIN	8050-09-7	VL0480000	232-475-7	50-60	NA	NA	NF	NF	NF	NA	NA	NA	SENSITIZER
		Skin Sens. 1;												
DIETL	IVI ENE OLVOOL BIBLIER"				1					_				1
	HYLENE GLYCOL DIBUTYL	112-73-2	KN0350000	204-001-9	15-25	NA	NA	NF	NF	NF	NA	NA	NA	
ETHE									ı					DECD FDAC
ETHE		112-73-2 65997-05-9	NA NA	204-001-9 NA	15-25 15-25	NA 15	NA 3	NF 15	NF 3	NF NF	NA 15	NA NA		RESP FRAC
DYME	EREX ROSIN	65997-05-9				15		15	ı			NA	NA	RESP FRAC
DYME	R		NA	NA	15-25		3	15	3	NF	15	1		RESP FRAC
DYME	EREX ROSIN	65997-05-9	NA	NA	15-25	15	3	15	3	NF	15	NA	NA	RESP FRAC
DYME	EREX ROSIN	65997-05-9	NA	NA NA FIRST AII	15-25 0-10	15 NA	3 NA RES	15 NF	3 NF	NF NF	15 NA	NA NA	NA NA	
DYME	EREX ROSIN	65997-05-9	NA NA 4. I	NA  FIRST All onot induce	15-25 0-10 <b>D ME</b> Avomiting.	NA NA If pro	3 NA RES	15 NF	3 NF	NF NF	15 NA wed, o	NA NA	NA NA Dienty	of water or milk
DYME PROF	EREX ROSIN PRIETARY INGREDIENTS	65997-05-9 NA	NA NA 4. If ingested, do IMMEDIATELY	NA  FIRST All o not induce . If the patier	0-10  D MEA  vomiting. It is vomit	NA NA If proting, con	NA NA RES	NF has to off	NF Deen er wa	NF NF swallow	NA NA wed, comilk.	NA NA drink p	NA N	of water or milk
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DYME PROF	EREX ROSIN PRIETARY INGREDIENTS	65997-05-9 NA	NA  A. If ingested, do IMMEDIATELY unconscious peestimate of the	NA  FIRST All onot induce If the patier erson. Contact	0-10  D ME Avomiting. It is vomit the nea	NA NA If proting, correst Poi	NA N	NF has to off	NF Deen er wa	NF NF Swallow	NA NA wed, on ilk. I nocal en	NA N	NA N	of water or milk
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DYME PROF	EREX ROSIN PRIETARY INGREDIENTS	65997-05-9 NA	NA  If ingested, do IMMEDIATELY unconscious peestimate of the swallowed.	NA  FIRST All o not induce If the patier erson. Contace time at which not likely; how	0-10  D ME Avomiting. It is vomit the near the means the	NA N	NA N	NF has to off ontrolongestern the	NF Deen er wa Cented an eyes	NF NF swallov ter or rer or lo	NA  wed, comilk. It is call en amour	NA NA drink p Never p nergen nt of th	NA NA NA NI	of water or milk to an mber. Provide an
DYME PROF	EREX ROSIN PRIETARY INGREDIENTS	65997-05-9  NA  Ingestion:	NA  If ingested, do IMMEDIATELY unconscious presumate of the swallowed. Splashes are rwater for at least	NA  FIRST All o not induce If the patier erson. Contace time at which not likely; how st 15 minutes	0-10  D ME Avomiting. It is vomit the near the the merever, if plifting upp	NA If proting, correst Poi aterial product per and I	NA N	n the ids, o	NF Deen er wa Cented an eyes ccasic	NF NF swallow ter or rer or lod the flush onally.	NA NA wed, conilk. I ocal enamour	NA NA drink p Never p nergen nt of the	NA NA NA NI	of water or milk rater or milk to an mber. Provide an obstance that was
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DYME PROF	EREX ROSIN PRIETARY INGREDIENTS	NA  Ingestion:  Eyes:	If ingested, do IMMEDIATELY unconscious pe estimate of the swallowed. Splashes are r water for at leas Wash thorough least 15 minute Remove victim	FIRST Allo not induce. If the patier erson. Contace time at which the likely; how st 15 minutes by with soap a s. to fresh air at	0-10  D ME Avomiting. It is vomit the nearth the market the moreous fifting uppend water. Once. If the more of the	NA SUR If proting, correst Poi aterial product ler and I In case	NA Description of the control of the	n the ids, ountact cult, a	NF Deen er wa Cented an eyes, ccasic, imme	NF  Swallow ter or rer or lo d the , flush bonally. ediately	wed, omilk. I weal en amour with of flush	NA NA drink p Never p nergen nt of th	NA N	of water or milk rater or milk to an mber. Provide an obstance that was unts of lukewarm enty of water for at
PROF	PRIETARY INGREDIENTS  First Aid:	65997-05-9  NA  Ingestion:  Eyes: Skin: Inhalation:	If ingested, do IMMEDIATELY unconscious pe estimate of the swallowed. Splashes are r water for at leas Wash thorough least 15 minute Remove victim artificial respira	FIRST Allo not induce. If the patier erson. Contace time at which the state of the	D MEA vomiting. It is vomit to the nea ch the m vever, if p iffting upp nd water. once. If t rson warr	NA SUR If proting, correst Poi aterial product per and I In case or cathing, quiet	NA N	NF  NF  has t to off ontrol ongestern the ids, ontact cult, a et me	NF Deen er wat Cent ed an eyes, ccasic, imme	NF NF swallow ter or rer or lo d the flush onally. ediately ster oxy	wed, omilk. I weal en amour with of flush	NA NA drink p Never p nergen nt of th	NA N	of water or milk rater or milk to an mber. Provide an obstance that was unts of lukewarm enty of water for at
DYME PROF	EREX ROSIN PRIETARY INGREDIENTS	65997-05-9  NA  Ingestion:  Eyes: Skin: Inhalation: Ingestion:	If ingested, do IMMEDIATELY unconscious pe estimate of the swallowed. Splashes are r water for at least 15 minute Remove victim artificial respira. If product is swallowed.	FIRST Allo not induce. If the patier erson. Contace time at which the state of the	D ME Avomiting. It is vomiting to the market the market the market the more vever, if prifting uppend water.  Once. If the reson warm cause national market the marke	ASUR If proting, correst Poi aterial product ler and I ln case or eathing, quiet usea, vo	NA N	NF  has It office of the state	NF  Deen er wa Cent ed an eyes, ccasic imme dminis dical a	NF  Swallow ter or rer or lo d the n flush bonally. ediately ster oxy attention	wed, omilk. It is a mount with one of the state of the st	NA  drink p Never p nergen nt of the	NA NA Delenty give w cy nur he sub s amou	of water or milk vater or milk to an mber. Provide an bstance that was unts of lukewarm enty of water for at stops give
PROF	PRIETARY INGREDIENTS  First Aid:	65997-05-9  NA  Ingestion:  Eyes: Skin: Inhalation:	If ingested, do IMMEDIATELY unconscious pe estimate of the swallowed. Splashes are r water for at leas Wash thorough least 15 minute Remove victim artificial respira If product is sw. Moderately irrit	FIRST Allo not induce. If the patier erson. Contace time at which the state of the	D ME Avomiting. It is vomiting to the market the market the market the more vever, if prifting uppend water.  Once. If the reson warm cause national market the marke	ASUR If proting, correst Poi aterial product ler and I ln case or eathing, quiet usea, vo	NA N	NF  has It office of the state	NF  Deen er wa Cent ed an eyes, ccasic imme dminis dical a	NF  Swallow ter or rer or lo d the n flush bonally. ediately ster oxy attention	wed, omilk. It is a mount with one of the state of the st	NA  drink p Never p nergen nt of the	NA NA Delenty give w cy nur he sub s amou	of water or milk rater or milk to an mber. Provide an obstance that was unts of lukewarm enty of water for at
PROF	PRIETARY INGREDIENTS  First Aid:	Skin:   Industrian:   Ingestion:   Ingestion:   Eyes:   Skip:   Industrian:   Ingestion:   Eyes:	If ingested, do IMMEDIATELY unconscious pe estimate of the swallowed. Splashes are r water for at leas Wash thorough least 15 minute Remove victim artificial respira If product is sw. Moderately irrit watering.	FIRST Allor not induce. If the patier erson. Contace time at which the state of the	D MEA vomiting. It is vomit to the nea ch the m rever, if p lifting upp nd water. once. If b rson warr cause nau yes. Sym	If proting, correst Poi aterial product In case or cathing, quiet usea, von ptoms	NA	has I to off ontrol ongestor in the ids, on that the ids, on the ids, or intact will, a get me and/or exponents.	Deen er wa Centred an eyes. ccasing immediatel a or dia essure	NF  NF  Swallow ter or rer or lod the flush onally. ediately ster oxy attention rrhea. may in	wed, comilk. It is a mount with control of the second of t	NA  drink power in the propious skin was a s	NA NA NA NI NA NI	of water or milk to an mber. Provide an obstance that was unts of lukewarm enty of water for at stops give
PROF	PRIETARY INGREDIENTS  First Aid:	65997-05-9  NA  Ingestion:  Eyes: Skin: Inhalation: Ingestion:	If ingested, do IMMEDIATELY unconscious pe estimate of the swallowed. Splashes are r water for at leas Wash thorough least 15 minute Remove victim artificial respira If product is swallowed. Moderately irrit watering. May be irritating.	FIRST Allor on the induce of the patient of the pat	D MEA vomiting. It is vomit to the nea ch the m rever, if p lifting upp nd water. once. If b rson warr cause nau yes. Sym	If proting, correst Poi aterial product In case or cathing, quiet usea, von ptoms	NA	has I to off ontrol ongestor in the ids, on that the ids, on the ids, or intact will, a get me and/or exponents.	Deen er wa Centred an eyes. ccasing immediatel a or dia essure	NF  NF  Swallow ter or rer or lod the flush onally. ediately ster oxy attention rrhea. may in	wed, comilk. It is a mount with control of the second of t	NA  drink power in the propious skin was skin was redness	NA NA NA NI NA NI	of water or milk vater or milk to an mber. Provide an bstance that was unts of lukewarm enty of water for at stops give
PROF	PRIETARY INGREDIENTS  First Aid:	Skin:   Skin	If ingested, do IMMEDIATELY unconscious pe estimate of the swallowed. Splashes are r water for at leas Wash thorough least 15 minute Remove victim artificial respira If product is swallowed. Moderately irrit watering. May be irritating some sensitive	FIRST Allor not induce. If the patier erson. Contace time at which the state of the	D MEA vomiting. It is vomit to the nea ch the m rever, if p lifting upp nd water. once. If b rson warr cause nau yes. Sym	If proting, correst Poi aterial product In case or cathing, quiet usea, von ptoms	NA	has I to off ontrol ongestor in the ids, on that the ids, on the ids, or intact will, a get me and/or exponents.	Deen er wa Centred an eyes. ccasing immediatel a or dia essure	NF  NF  Swallow ter or rer or lod the flush onally. ediately ster oxy attention rrhea. may in	wed, comilk. It is a mount with control of the second of t	NA  drink power in the propious skin was skin was redness	NA NA NA NI NA NI	of water or milk to an mber. Provide an obstance that was unts of lukewarm enty of water for at stops give
PROF	PRIETARY INGREDIENTS  First Aid:	Skin:   Industrian:   Ingestion:   Ingestion:   Eyes:   Skip:   Industrian:   Ingestion:   Eyes:	If ingested, do IMMEDIATELY unconscious pe estimate of the swallowed. Splashes are r water for at leas Wash thorough least 15 minute Remove victim artificial respira If product is swallowed. Moderately irrit watering. May be irritating.	FIRST Allor not induce. If the patier erson. Contace time at which the state of the	D MEA vomiting. It is vomit to the nea ch the m rever, if p lifting upp nd water. once. If b rson warr cause nau yes. Sym	If proting, correst Poi aterial product In case or cathing, quiet usea, von ptoms	NA	has I to off ontrol ongestor in the ids, on that the ids, on the ids, or intact will, a get me and/or exponents.	Deen er wa Centred an eyes. ccasing immediatel a or dia essure	NF  NF  Swallow ter or rer or lod the flush onally. ediately ster oxy attention rrhea. may in	wed, comilk. It is a mount with control of the second of t	NA  drink power in the propious skin was skin was redness	NA NA NA NI NA NI	of water or milk to an mber. Provide an obstance that was unts of lukewarm enty of water for at stops give



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1.0	Cumptoms -f O:	1,	4. FIRS										
4.3	Symptoms of Overexposure:	Ingestion:	Nausea, intestir										
		Eyes: Overexposure in eyes may cause redness, itching and watering.  Skin: Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. Frostbite											
		Skin:											
			like symptoms. individuals.										<u>,                                      </u>
4	Acute Health Effects:		g when used as ns of vapors can								ted area	as. Additio	onally, high
5	Chronic Health Effects:		g when used as duce skin sensitiza									e sensitive	individuals
6	Target Organs:	Eyes, Skin.											
.7	Medical Conditions Aggravated by Exposure:		dermatitis, other				sorders o	f the HE	ALTH				1
	riggiavated by Expedition	target organ	s (eyes, skin, and	respira	atory sy	stem).		FL	<b>AMMA</b>	BILITY			1
								PH	IYSICA	L HAZ	ARDS		0
									OTEC			FNT	G
								EY		SKIN		UNGS	
			5 FIR	PFFI	SHTI	NG ME	ΔSUR	FS					
.1	Fire & Explosion Hazards:	This produc	t is not flammable						may da	omnoc	o of high	2	
	,	temperature	s to form toxic ga	ses (e.	g., CO,0	CO <sub>x</sub> ).	ı a ıııe, uı	is product	may uet	Jorriposi	e at riigi		
.2	Extinguishing Methods:		n, CO <sub>2</sub> , Dry Chem					14 /4110000				. 4	
.3	Firefighting Procedures:		s for surrounding										
			pparatus (pressur is out. Use water										n
			Avoid spraying										<b>U</b>
		Prevent run	off from fire contr	ol or d	ilution f	rom enteri	na sewers	drains	lrinkina	water si	unnly o	r V	Y
			waterway. Firefi										$\checkmark$
			If-contained breat										
			on products and o										
	•		•	, ,								•	
1	Spills:		6. ACCIDE										
		Small Spills material sud water or a replastic brook Large Spills or release.	Plastic or rubbe: Wear appropriach as vermiculite material such as ms, shovels, dust; Keep incompat Isolate immediate inimal risk. Wear	te prote or sand "speed pans) a ible ma e hazard	ective ed to soay dry" to and place aterials of area a	quipment ak up the posoak up e into a pla e.g., orga and keep u	ncluding ( product ar material. astic conta nics such nauthorize	gloves and nd place in Sweep up iner or pla as oil) awa ed personr	protection to a core material stic liner by from stell out of	ve eyeventainer for all using within a spill. Starea.	wear. U or later non-sp another ay upwii Stop spi	disposal. disposal. disposal. darking mate container. and awall or release	combustible Do not use erials (e.g. ay from spi e if it can be
		7	. HANDLIN	IG &	STO	RAGE	INFOF	RMATIC	)N				
'.1	Work & Hygiene Practices:		drink or smoke							ure L	landle s	hiove at a	nuncturing
	,	container(s)	. When used as ossible. Wash uni	intend	ed, no	additional	protective	equipmen	t is nec				
.2	Storage & Handling:		ore in a cool, dry							ion. fan	s) away	from heat	and direc
		sunlight. Av	oid temperatures avoid unintention	above	120 °F.	Keep aw	ay from inc	compatible	substar				
.3	Special Precautions:		lls promptly. Spil						<u> </u>				
		8. EXP	OSURE CO	NTR	OLS	& PER	SONA	L PRO	TECT	ION			
.1	Exposure Limits:				GIH		NOHSC			OSHA		OTHER	
	ppm (mg/m³)	CHEMICAL NA	ME(S)	TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
		WW GUM RO		NA	NA	NF	NF	NF	NA	NA	NA	SENSITIZ	ER
		DYMEREX R		15	3	15	3	NF	15	NA	NA	RESP FRA	AC
.2	Ventilation & Engineering Controls:	exhaust ver	chanical (e.g., fa	veľy rei	move a	nd prever	t buildup	of vapors	or mist	genera	ted fron	Use local n the hand	or genera
		1	sure appropriate										ion).
1.3	Respiratory Protection:	instances who protection a	respiratory protect nere dusts of this uthorized by 29 ard Z94.4-93 and	produc CFR §	t are ge 1910.13	nerated, a 4, applica	nd respira	itory proted State regul	ction is rations, o	eeded, or the C	use only Canadiar	y n	



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	8 I	EXPOSURE CONTROLS & PERSONAL PROTECTION – cont'd
8.4	Eye Protection:	Avoid eye contact. Wear splash proof goggles or equivalent eye protection (ANSI Z87). Safety glasses need to be used when handling or using this product.
8.5	Hand Protection:	Impermeable gloves required. May cause skin irritation in some sensitive individuals. When handling wear rubber, nitrile or impervious plastic gloves.
8.6	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., ≥ 5 lbs), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.
		A DUVOIGAL A QUEMICAL DE OPERTIES
0.1		9. PHYSICAL & CHEMICAL PROPERTIES
9.1	Appearance: Odor:	Amber liquid
9.3	Odor Threshold:	Citrus odor NA
9.4	pH:	NA NA
9.5	Melting Point/Freezing Point:	NA NA
9.6	Initial Boiling Point/Boiling	NA NA
0.7	Range:	
9.7	Flashpoint: Upper/Lower Flammability	>93.3 °C (200 °F)
9.0	Limits:	NA NA
9.9	Vapor Pressure:	0.01 mm Hg @ 20 °C
9.10	Vapor Density:	NA NA
9.11	Relative Density:	0.913
9.12	Solubility:	Negligible
9.13	Partition Coefficient (log Pow):	NA NA
9.14	Autoignition Temperature:	NA NA
9.15	Decomposition Temperature:	NA NA
9.16	Viscosity:	NA NA
9.17	Other Information:	NVC 60-70%
		10. STABILITY & REACTIVITY
10.1	Stability:	Stable under normal conditions; unstable with heat or contamination.
10.2	Hazardous Decomposition Products:	Oxides of carbon (CO, CO <sub>2</sub> ).
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Open flames, sparks, high heat, incompatible substances and direct sunlight.
10.5	Incompatible Substances:	Avoid extreme heat and ignition sources. Store away from oxidizers.
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		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:	Moderate irritation to eyes and skin near affected areas.
11.4	Chronic Toxicity:	This material may aggravate any pre-existing skin condition (e.g., dermatitis).
11.5	Suspected Carcinogen:	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 <a href="https://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
11.6	Reproductive Toxicity:	This product is not reported to produce reproductive toxicity in humans.
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity:	This product is not reported to cause teratogenic effects in humans.
14 7	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:	NE
11.9	Physician Recommendations:	Treat symptomatically.
		12. ECOLOGICAL INFORMATION
12.1	Environmental Stability:	There is no specific data available for this product.
12.2	Effects on Plants & Animals:	There are no specific data available 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.

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 1.0 SDS Revision Date: 2/10/2018 13. DISPOSAL CONSIDERATIONS Waste Disposal: Products covered by this MSDS, in their original form, when disposed as waste, are considered non hazardous waste 13.1 according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations. Dispose of in accordance with federal, state and local regulations. 13.2 Special Considerations: The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state, federal and provincial regulations. 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): **NOT REGULATED** IATA (AIR): 14 2 **NOT REGULATED** IMDG (OCN): 14 3 **NOT REGULATED** TDGR (Canadian GND): 14.4 **NOT REGULATED** 14.5 ADR/RID (EU): **NOT REGULATED** 14.6 SCT (MEXICO): NOT REGULATED 14 7 ADGR (AUS): NOT REGULATED 15. REGULATORY INFORMATION SARA Reporting 15.1 This product contains trace amounts of Ethylene Oxide, a substances subject to SARA Title III, section 313 reporting requirements. SARA Threshold Planning 15.2 There are no specific Threshold Planning Quantities for the components of this product. Quantity 15.3 TSCA Inventory Status: The components of this product are listed on the TSCA Inventory. 15.4 CERCLA Reportable Quantity NA (RQ): Other Federal Requirements: 15.5 NA 15.6 Other Canadian Regulations: This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR. 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. State Regulatory Information: Ethylene Oxide is found on the following state criteria lists: California Proposition 65 (CA65). 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). 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:

NA

15.8

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		16. OTHER INFORMATION
16.1	Other Information:	WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. Use only as directed. Keep out of reach of children. Avoid contact with skin. Wear suitable protective clothing. In case of accident or if you feel unwell seek medical advice immediately (show the label where possible). If skin irritation occurs: get medical advice/attention.  KEEP LOCKED UP AND OUT OF REACH OF CHILDREN.  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 <a href="https://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
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 & CAIG Laboratories, Inc.'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:	CAIG Laboratories, Inc. 12200 Thatcher Court Poway, CA 92064-6876 Tel: +1 (800) CAIG-123 (244-4123) Fax: +1 (858) 486-8398 fax http://www.caig.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.	No. Registry of Toxic Effects of Chemical Substances Number			
EINECS No.	European Inventory of Existing Commercial Chemical Substances Number			

#### **EXPOSURE LIMITS IN AIR:**

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

#### FIRST AID MEASURES:

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

#### HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

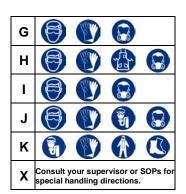
#### **HEALTH, FLAMMABILITY & REACTIVITY RATINGS:**

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



#### PERSONAL PROTECTION RATINGS:

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





### 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	TY LIMITS IN AIR:
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

#### **HAZARD RATINGS:**

0	Minimal Hazard	FLAMMABILITY
1	Slight Hazard	\
2	Moderate Hazard	REACTIVITY
3	Severe Hazard	
4	Extreme Hazard	
ACD	Acidic	
ALK	Alkaline	
COR	Corrosive	/ <b>Y ₩ Y</b>
₩	Use No Water	HEALTH
ОХ	Oxidizer	SPECIAL
TREFOIL	Radioactive	PRECAUTIONS

#### TOXICOLOGICAL INFORMATION:

LD <sub>50</sub> Lethal Dose (solids & liquids) which kills 50% of the exposed			
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>lo</sub> Lowest dose to cause a symptom			
TCLo	Lowest concentration to cause a symptom		
TD <sub>Io</sub> , LD <sub>Io</sub> , & LD <sub>o</sub> or	TD <sub>Io</sub> , LD <sub>Io</sub> , & LD <sub>o</sub> 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	CA 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	<b>*</b>	<b>(2)</b>	(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:

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