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

SDS Revision: 2.2

SDS Revision Date: 6/20/2022

			DDODII	OT 0 0014	DANIX	IDE	NITIE	-104	TIO					
	Ta			CT & COM					HOI	N				
1.1	Product Name:	LIQUICE	ELL MEM	BRANES A	AND S	OLU	JTIO	N						
1.2	Chemical Name:	NA												
1.3	Synonyms:		4, 94310, 942 ⁻											
1.4	Trade Names:	Liquicell Ova	l Membranes;	CPAP Cushion	s; Liquicel	l Meml	orane;	Shear	Reduc	ing Int	erface			
1.5	Product Use:	Reduce shea	Reduce shear and friction of the skin											
1.6	Distributor's Name:	Birchwood Laboratories LLC												
1.7	Distributor's Address:			<u>airie, MN 55344</u>										
1.8	Emergency Phone:						742							
1.9	Business Phone / Fax:	+1 (952) 937	-7968 / +1 (95	2) 937-7979										
			2. H	AZARDS	IDENT	IFIC	ATIC	ON						
2.1	Hazard Identification:	Prepared in a	accordance wi	th UN Globally I	Harmonize	ed stan	dards.	Intend	ded to	compl	y with	OSHA	29 CFF	R 1910.1200.
		Canadian WI	HMIS and Aus	tralian Work He	alth and S	afety.								
		WARNING!	CAUSES SEF	RIOUS EYE IRR	ITATION.									
			<u>ı: Eye Irrit. 2A</u>											
2.2	Label Elements:			319 – Causes s	•									
		Precautionar	y Statements	(P): P280 – We	ear eye pr	otectio	n. P30	5+P35	1+P33	8 IF IN	I EYE	S: Rins	se	
				several minute 317 - If eye irrita						ent an	a eas	y to d	0.	
		Continue in	siiiy. <i>⊢ 331</i> +P3	orr - ii eye iirila	nons hers	ist. Ge	meul	ai neip	ν,					
2.3	Other Warnings:	WADNING	Avoid akin an	d over if mamb	ano io de:	nagga	or her	kon If	momb	rono :	runt	rod a-	broker	and expected to
0	90.			d eyes if membr e and skin irrita		naged	OI DIO	ken. II	memb	rane is	ruptu	rea or	nioken	and exposed to
				F CHILDREN.	uon.									
		1												
		3. C	OMPOSI	FION & INC	GREDI	ENT	INF	ORN	/AT	ION				
										SURE L	IMITS IN		g/m³)	
							GIH		NOHSC			OSHA		
						р	pm	ES-	ppm ES-	ES-		ppm	1	
CHEM	ICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	TWA	STEL	PEAK	TLV	STEL	IDLH	OTHER
POI Y	'DIMETHYLSILOXANE	63148-62-9	JT6484500	213-915-7	60-100	NA	NA	NF	NF	NF	NA	NA	NA	
I OLI	DIWLETTTEOLOGGANE	Eye Irrit. 2; H			_	_	,							
WHIT	E PAPER ENCLOSURE	NA	NA	NA	NA	NA	NA	NF	NF	NF	NA	NA	NA	
		NA	NA	NA	NA	NA	NA	NF	NF	NF	NA	NA	NA	
POLY	MER ADHESIVE	INA	INA	INA	INA	INA	INA	INI	INI	INI	INA	INA	INA	
		NA	NA	NA	NA	NA	NA	NF	NF	NF	NA	NA	NA	
ELAS	TOMERIC POLYMER			•	<u> </u>									
		•												
	1			FIRST A										
4.1	First Aid:	Ingestion:		DUCE VOMITIN	IG. Cont	act PO	ISON	CONT						
			emergency 1	telebhone numi	.						ek imn			al attention. If
			vomiting occ	•		sistand	ce and	instru				on tha		
		Evec:	-	urs spontaneou	sly, keep v	sistano /ictim's	ce and head	instru lowere	d (forw	vard) to	redu			•
		Eyes:	Flush eyes t	urs spontaneou horoughly with	sly, keep v copious a	sistano /ictim's imount	ce and head s of w	instru lowere ater fo	d (forw r at le	vard) to ast 15	redu minut	es, ho		•
			Flush eyes t ensure comp	urs spontaneou horoughly with blete flushing. If	sly, keep of copious a firritation p	sistano /ictim's imount persists	ce and head s of w s, seek	instru lowere ater fo immed	d (forw r at lea diate m	vard) to ast 15 nedical	redu minut attent	es, ho ion.	lding ey	yelid(s) open to
		Eyes: Skin:	Flush eyes t ensure comp Remove con	urs spontaneou horoughly with	sly, keep of copious a firritation print ing and w	sistand victim's imount persists vash af	ce and head s of w s, seek	instru lowere ater fo immed areas	d (forw r at leadiate m with s	vard) to ast 15 nedical oap a	reduction reduct	es, ho ion. er. If	lding ey irritatior	yelid(s) open to
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		Skin:	Flush eyes t ensure comp Remove con prompt medi Remove vict immediate m	urs spontaneou choroughly with plete flushing. If staminated cloth cal attention. D cim to fresh air sedical attention	sly, keep of copious a irritation print and we onot weat at once.	sistand victim's imount persists vash af r conta If bre- ing sto	te and head so of working the solution of the	instru lowere ater fo immed areas ed cloth is diffi rform a	d (forwar at lead in a	vard) to ast 15 nedical oap a til afte dminis I respil	reduction reduction minuted attention attention. The second reduction reduction reduction.	es, ho ion. er. If been pplem	lding ey irritatior properly ental ox	yelid(s) open to n persists, seek y cleaned. kygen and seel
4.2	Effects of Exposure:	Skin:	Flush eyes to ensure composite Remove composite media Remove victorimmediate mediate m	urs spontaneou horoughly with blete flushing. If taminated cloth cal attention. D im to fresh air	sly, keep of copious a irritation print and we onot weat at once.	sistand victim's imount persists vash af r conta If bre- ing sto	te and head so of working the solution of the	instru lowere ater fo immed areas ed cloth is diffi rform a	d (forwar at leading the diate of months with some continuity). The diameter of the diameter o	vard) to ast 15 nedical oap a til afte dminis I respil	reduction reduction minuted attention attention. The second reduction reduction reduction.	es, ho ion. er. If been pplem	lding ey irritatior properly ental ox	yelid(s) open to n persists, seek y cleaned. kygen and seel
4.2	Effects of Exposure:	Skin: Inhalation: Ingestion:	Flush eyes t ensure comp Remove con prompt medi Remove vict immediate m If product is discomfort.	urs spontaneou choroughly with plete flushing. If staminated cloth cal attention. D tim to fresh air sedical attention s swallowed, m	sly, keep vecopious a irritation program on the one at once. If breath ay cause	sistand victim's imount persists vash af r conta If bre- ing sto nause	te and head so of working the solution of the	instru lowere ater fo immed areas ed cloth is diffi rform a	d (forwar at leading the diate of months with some continuity). The diameter of the diameter o	vard) to ast 15 nedical oap a til afte dminis I respil	reduction reduction minuted attention attention. The second reduction reduction reduction.	es, ho ion. er. If been pplem	lding ey irritatior properly ental ox	yelid(s) open to n persists, seek y cleaned. kygen and seel
4.2	Effects of Exposure:	Skin: Inhalation: Ingestion: Eyes:	Flush eyes t ensure comp Remove con prompt medi Remove vict immediate m If product is discomfort. Irritating to th	urs spontaneou choroughly with plete flushing. If staminated cloth cal attention. D tim to fresh air sedical attention s swallowed, m	sly, keep vecopious a irritation properties in general wood not weat once. If breath ay cause cell is ruptions.	sistand victim's imount persists vash af r conta If bre ing sto nause ured.	ce and head s of w s, seek fected minate athing ps, pe ea, voi	instru lowere ater fo immed areas ed cloth is diffi rform a miting	d (forwar at leadiate mathematical with some summer of the content	vard) to ast 15 nedical oap a till afte dminis I respii	o reduce minute attented was rit has ster suration. The a arms of the arms of	es, ho ion. er. If been pplem	irritation properly ental ox	yelid(s) open to n persists, seek y cleaned. kygen and seek gestive system
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4.2	Effects of Exposure: Symptoms of Overexposure:	Skin: Inhalation: Ingestion: Eyes: Skin: Inhalation:	Flush eyes to ensure compressive compressive compressive medical repressive medical repressive medical reproduct is a silicone fluid, Unlikely.	urs spontaneou choroughly with plete flushing. If staminated cloth cal attention. D tim to fresh air sedical attention s swallowed, m the eyes, if Liquic pplied to skin to can cause skin	sly, keep of copious a irritation program of weat at once. If breath ay cause cell is rupton reduce so irritation.	sistand victim's imount persists vash af r conta If bre- ing sto nause ured. hear a May b	te and head so of was, seek fected minate athing ps, pe ea, voi and frice irrita	instru lowere ater fo immed areas ed cloth is diffi rform a miting tion of ting to	d (forward at least a	vard) to ast 15 nedical oap artil afte dminis I respir diarri kin. If n some	minut attent nd wat r it has ter su ration. nea a	es, ho ion. er. If s been pplem nd gel orane i	irritatior properly ental ox neral di s ruptur dividuals	yelid(s) open to n persists, seek y cleaned. kygen and seel gestive system red exposure to s.
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4.3	Symptoms of Overexposure: Acute Health Effects:	Skin: Inhalation: Ingestion: Eyes: Skin: Inhalation: Symptoms o cause redne Redness, itc	Flush eyes to ensure compressive compressi	urs spontaneou thoroughly with plete flushing. If staminated cloth cal attention. Dim to fresh air sedical attention swallowed, more eyes, if Liquic pplied to skin to can cause skin osure may includ watering.	copious a irritation ping and wo not weat at once. If breath ay cause cell is rupto reduce sirritation. de reduces ne site of cell is reduced irritation.	sistancyictim's imount persists rash afr r conta If bre- ing sto nause ured. hear a May b s, itchi	ce and head s of ws, seek fected minate athing ps, pe ea, voi and frice irritang, and for soi	instru lowere ater fo immed areas ed cloth is diffi rform a miting tion of ting to d irritat me sen	d (forward lead to the second of a stitive in a term of a stitive in a stitute in a sti	vard) to ast 15 nedical oap al til afte dminis I respin diarri kin. If n some	o reduce minute attented was reter succession. The area and a member sension and area wals.	es, ho ion. er. If s been pplem nd ger itive inc.	irritatior properly ental ox neral di s ruptur dividuals erexpos	yelid(s) open to n persists, seek y cleaned. kygen and seek gestive system red exposure to s.
4.3	Symptoms of Overexposure: Acute Health Effects:	Skin: Inhalation: Ingestion: Eyes: Skin: Inhalation: Symptoms o cause redne Redness, itc	Flush eyes tensure compresses and incompared in the sure compresses and incompresses and in	urs spontaneou thoroughly with plete flushing. If staminated cloth cal attention. Dim to fresh air sedical attention swallowed, more eyes, if Liquic pplied to skin to can cause skin osure may includ watering.	copious a irritation ping and wo not weat at once. If breath ay cause cell is rupto reduce sirritation. de reduces ne site of cell is reduced irritation.	sistancyictim's imount persists rash afr r conta If bre- ing sto nause ured. hear a May b s, itchi	ce and head s of ws, seek fected minate athing ps, pe ea, voi and frice irritang, and for soi	instru lowere ater fo immed areas ed cloth is diffi rform a miting tion of ting to d irritat me sen	d (forward lead and l	vard) to ast 15 nedical oap al til afte dminis I respin diarri kin. If n some	o reduce minute attented was reter succession. The area and a member sension and area wals.	es, ho ion. er. If s been pplem nd ger itive inc.	irritatior properly ental ox neral di s ruptur dividuals erexpos	yelid(s) open to persists, see y cleaned. Aygen and see gestive system and see exposure to s.



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		4. FIRST AID MEASURES – cont'd			
1.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin conditions, and disorders of the target organs (eyes, skin, and respiratory system) or impaired kidney function may be more susceptible to the effects of this substance. HEALTH FLAMMABILITY PHYSICAL HAZARDS PROTECTIVE EQUIPMENT	0 1 0 B		
		EYES SKIN			
		5. FIREFIGHTING MEASURES			
5.1	Fire & Explosion Hazards:	Will not burn, but decomposition, which may be caused by heat, will release oxygen which will			
	·	increase the explosive limit range and burning rate of flammable vapors. As a result of combustion and thermal decomposition, oxidation products may form and exposure to such products may result in health hazards			
5.2	Extinguishing Methods:	Water-mist, sand, CO ₂ , dry chemical or other media appropriate for surrounding materials.	0		
5.3	Firefighting Procedures:	Fight fires as for surrounding materials. Firefighters should wear a MSHA/NIOSH approved or equivalent self-contained breathing apparatus (SCBA) and protective clothing. Fire should be fought from a safe distance. Keep containers cool until well after the fire is out. Cool containers with water spray to prevent pressure build-up, auto-ignition or explosion. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway.			
		6. ACCIDENTAL RELEASE MEASURES			
6.1	Spills:	Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Pro	otectiv		
		Equipment. For <u>small spills</u> (e.g., < 1 gallon (3.8 L)) wear appropriate personal protective equipment (e.g., goggles, gloves). For <u>small spills</u> and place into appropriate closed container(s) for disposal. Dispose of properly in accordance wit state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and Remove any contaminated clothing and wash thoroughly before reuse. For <u>large spills</u> (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unprotected individuals. Dike and contain spill. Tra containers for recovery or disposal and diking material to separate containers for proper disposal. Remove contain clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of m sewers and open bodies of water.	Remov th loca d soap ansfer minate		
		7. HANDLING & STORAGE INFORMATION			
7 1	Work & Hygiene Practices:	Avoid eve centact			
7.1 7.2	Work & Hygiene Practices: Storage & Handling:	Avoid eye contact. Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Do not store in dam unmarked containers or storage devices. Keep containers securely closed when not in use.	naged		
7.2		Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Do not store in dam	naged		
	Storage & Handling:	Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Do not store in dam unmarked containers or storage devices. Keep containers securely closed when not in use. Spilled material may present a slipping hazard if left unattended. Clean all spills promptly.	naged		
7.2	Storage & Handling: Special Precautions: Exposure Limits:	Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Do not store in dam unmarked containers or storage devices. Keep containers securely closed when not in use.	naged		
7.2	Storage & Handling: Special Precautions:	Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Do not store in dam unmarked containers or storage devices. Keep containers securely closed when not in use. Spilled material may present a slipping hazard if left unattended. Clean all spills promptly. 8. EXPOSURE CONTROLS & PERSONAL PROTECTION ACGIH NOHSC OSHA OTHER CHEMICAL NAME(S) TLV STEL ES-TWA ES-STEL ES-PEAK PEL STEL IDLH	naged		
7.2	Storage & Handling: Special Precautions: Exposure Limits:	Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Do not store in dam unmarked containers or storage devices. Keep containers securely closed when not in use. Spilled material may present a slipping hazard if left unattended. Clean all spills promptly. 8. EXPOSURE CONTROLS & PERSONAL PROTECTION ACGIH NOHSC OSHA OTHER	to kee		
1.3	Storage & Handling: Special Precautions: Exposure Limits: ppm (mg/m³) Ventilation & Engineering	Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Do not store in dam unmarked containers or storage devices. Keep containers securely closed when not in use. Spilled material may present a slipping hazard if left unattended. Clean all spills promptly. 8. EXPOSURE CONTROLS & PERSONAL PROTECTION ACGIH NOHSC OSHA OTHER TLV STEL ES-TWA ES-STEL ES-PEAK PEL STEL IDLH NA NA NA NF NF NF NF NA NA NA When working with large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans), exposure below the airborne exposure limits. Ensure that an eyewash station, sink or washbasin is available in	to kee		
7.2	Storage & Handling: Special Precautions: Exposure Limits: ppm (mg/m³) Ventilation & Engineering Controls:	Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Do not store in dam unmarked containers or storage devices. Keep containers securely closed when not in use. Spilled material may present a slipping hazard if left unattended. Clean all spills promptly. 8. EXPOSURE CONTROLS & PERSONAL PROTECTION ACGIH NOHSC OSHA OTHER TLV STEL ES-TWA ES-STEL ES-PEAK PEL STEL IDLH NA NA NA NF NF NF NA NA NA When working with large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans), exposure below the airborne exposure limits. Ensure that an eyewash station, sink or washbasin is available in exposure to eyes. None required if used in a well-ventilated area. Avoid eye contact. Protective eyewear (e.g., safety glasses with side-shield) is recommended at all	to kee		
7.2 7.3 3.1 3.2 3.3 3.4	Storage & Handling: Special Precautions: Exposure Limits: ppm (mg/m³) Ventilation & Engineering Controls: Respiratory Protection:	Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Do not store in dam unmarked containers or storage devices. Keep containers securely closed when not in use. Spilled material may present a slipping hazard if left unattended. Clean all spills promptly. 8. EXPOSURE CONTROLS & PERSONAL PROTECTION Acgiii	to kee		
7.3 7.1 7.1 7.2 7.3 7.4 7.5	Storage & Handling: Special Precautions: Exposure Limits: ppm (mg/m³) Ventilation & Engineering Controls: Respiratory Protection: Eye Protection:	Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Do not store in dam unmarked containers or storage devices. Keep containers securely closed when not in use. Spilled material may present a slipping hazard if left unattended. Clean all spills promptly. 8. EXPOSURE CONTROLS & PERSONAL PROTECTION ACGIH NOHSC OSHA OTHER TLV STEL ES-TWA ES-STEL ES-PEAK PEL STEL IDLH NA NA NA NF NF NF NA NA NA When working with large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans), exposure below the airborne exposure limits. Ensure that an eyewash station, sink or washbasin is available in exposure to eyes. None required if used in a well-ventilated area. Avoid eye contact. Protective eyewear (e.g., safety glasses with side-shield) is recommended at all	to kee		
7.3 7.1 7.1 7.2 7.3 7.4 7.5	Storage & Handling: Special Precautions: Exposure Limits: ppm (mg/m³) Ventilation & Engineering Controls: Respiratory Protection: Eye Protection: Hand Protection:	Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Do not store in dam unmarked containers or storage devices. Keep containers securely closed when not in use. Spilled material may present a slipping hazard if left unattended. Clean all spills promptly. 8. EXPOSURE CONTROLS & PERSONAL PROTECTION Acgih	to kee		
	Storage & Handling: Special Precautions: Exposure Limits: ppm (mg/m³) Ventilation & Engineering Controls: Respiratory Protection: Eye Protection: Hand Protection: Body Protection:	Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Do not store in dam unmarked containers or storage devices. Keep containers securely closed when not in use. Spilled material may present a slipping hazard if left unattended. Clean all spills promptly. 8. EXPOSURE CONTROLS & PERSONAL PROTECTION ACGIH	to kee		
7.3 3.1 3.2 3.3 3.4 3.5 3.6	Storage & Handling: Special Precautions: Exposure Limits: ppm (mg/m³) Ventilation & Engineering Controls: Respiratory Protection: Eye Protection: Hand Protection: Body Protection:	Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Do not store in dam unmarked containers or storage devices. Keep containers securely closed when not in use. Spilled material may present a slipping hazard if left unattended. Clean all spills promptly. 8. EXPOSURE CONTROLS & PERSONAL PROTECTION ACGIH	to kee		
7.2 7.3 3.1 3.2 3.3 3.4 3.5 5.6	Storage & Handling: Special Precautions: Exposure Limits: ppm (mg/m³) Ventilation & Engineering Controls: Respiratory Protection: Eye Protection: Hand Protection: Body Protection:	Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Do not store in dam unmarked containers or storage devices. Keep containers securely closed when not in use. Spilled material may present a slipping hazard if left unattended. Clean all spills promptly. 8. EXPOSURE CONTROLS & PERSONAL PROTECTION ACGIH NOHSC OSHA OTHER	to kee		
7.2 7.3 3.1 3.2 3.3 3.4 3.5 3.6 9.1 9.1 9.2	Storage & Handling: Special Precautions: Exposure Limits: ppm (mg/m³) Ventilation & Engineering Controls: Respiratory Protection: Eye Protection: Hand Protection: Body Protection: Appearance: Odor: Odor Threshold:	Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Do not store in dam unmarked containers or storage devices. Keep containers securely closed when not in use. Spilled material may present a slipping hazard if left unattended. Clean all spills promptly. 8. EXPOSURE CONTROLS & PERSONAL PROTECTION ACGIH	to kee		
	Storage & Handling: Special Precautions: Exposure Limits: ppm (mg/m³) Ventilation & Engineering Controls: Respiratory Protection: Eye Protection: Hand Protection: Body Protection:	Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Do not store in dam unmarked containers or storage devices. Keep containers securely closed when not in use. Spilled material may present a slipping hazard if left unattended. Clean all spills promptly. 8. EXPOSURE CONTROLS & PERSONAL PROTECTION ACGIH	to kee		
7.2 7.3 3.3 3.4 3.5 3.6 9.1 9.2 9.3 9.3 9.4	Storage & Handling: Special Precautions: Exposure Limits: ppm (mg/m³) Ventilation & Engineering Controls: Respiratory Protection: Eye Protection: Hand Protection: Body Protection: Appearance: Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling	Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Do not store in dam unmarked containers or storage devices. Keep containers securely closed when not in use. Spilled material may present a slipping hazard if left unattended. Clean all spills promptly. 8. EXPOSURE CONTROLS & PERSONAL PROTECTION ACCIH NOHSC OSHA OTHER	to kee		
7.2 7.3 3.1 3.2 3.3 3.4 3.5 3.6 9.1 9.2 9.3 9.4 9.5 9.6	Storage & Handling: Special Precautions: Exposure Limits: ppm (mg/m³) Ventilation & Engineering Controls: Respiratory Protection: Eye Protection: Hand Protection: Body Protection: Appearance: Odor: Odor Threshold: pH: Melting Point/Freezing Point:	Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Do not store in dam unmarked containers or storage devices. Keep containers securely closed when not in use. Spilled material may present a slipping hazard if left unattended. Clean all spills promptly. 8. EXPOSURE CONTROLS & PERSONAL PROTECTION AcGIH	to kee		
7.2	Storage & Handling: Special Precautions: Exposure Limits: ppm (mg/m³) Ventilation & Engineering Controls: Respiratory Protection: Eye Protection: Hand Protection: Body Protection: Appearance: Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range:	Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Do not store in dam unmarked containers or storage devices. Keep containers securely closed when not in use. Spilled material may present a slipping hazard if left unattended. Clean all spills promptly. 8. EXPOSURE CONTROLS & PERSONAL PROTECTION ACCIH NOHSC OSHA OTHER	to kee		



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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision Date: 6/20/2022 SDS Revision: 2.1 9. PHYSICAL & CHEMICAL PROPERTIES - cont'd 9 10 Vapor Density: NΑ 9.11 Relative Density NA 9.12 Solubility NA 9.13 Partition Coefficient (log Pow): NA 9 14 Autoignition Temperature NA 9.15 Decomposition Temperature: NA 9.16 Viscosity: NA 9.17 Other Information: Evaporation Rate < 1 (Ethyl ether = 1) 10. STABILITY & REACTIVITY Stability: This product is stable 10.2 Hazardous Decomposition Thermal decomposition may produce carbon dioxide, carbon monoxide, diphenylmethane diisocyanate, silicone dioxide **Products** and other products of incomplete combustion. 10.3 Hazardous Polymerization: Will not occur. 10.4 Conditions to Avoid: Open flames, sparks, high heat and direct sunlight. 10.5 Incompatible Substances: None known or reported. **TOXICOLOGICAL INFORMATION** Routes of Entry: 11.2 Toxicity Data: The product has not been tested on animals to obtain toxicological data. There are toxicology data for the components of this product, which are found in the scientific literature. Polydimethylsiloxane: LD₅₀, Oral rat: > 5,000 mg/kg 11.3 Acute Toxicity: Poly adhesive has been tested and according to the Federal Hazardous Substance Act (FHSA) is considered nonirritating and non-sensitizing 11.4 Chronic Toxicity: See section 4.5 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 www.P65Warnings.ca.gov Reproductive Toxicity: 11.6 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 produce teratogenic effects in humans Reproductive Toxicity: This product is not reported to produce reproductive effects in humans 11.7 Irritancy of Product: See Section 4.3 11.8 Biological Exposure Indices: NA Physician Recommendations: 11.9 Treat symptomatically **ECOLOGICAL INFORMATION** 12. **Environmental Stability** No specific data available. Effects on Plants & Animals: 12.2 No specific data available. 12.3 Effects on Aquatic Life: There are no specific data available for this product; however, very large releases of this product may be harmful or fatal to overexposed aquatic life 13. DISPOSAL CONSIDERATIONS Waste Disposal: 13.1 Dispose of in accordance with Federal, state and local regulations. 13.2 Special Considerations: NA 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): 14.1 **NOT REGULATED** 14.2 IATA (AIR): NOT REGULATED IMDG (OCN) NOT REGULATED 14.3 TDGR (Canadian GND): NOT REGULATED ADR/RID (EU): **NOT REGULATED** 14.5 SCT (MEXICO): NOT REGULATED ADGR (AUS): NOT REGULATED 14.7



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Prep	ared to OSHA, ACC, ANS	SI, NOHSC, WHMIS, GHS & 12/2/2008/EC Standards SDS Revision: 2.1 SDS Revision Date: 6/20/2022
		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 NA
15.5	Other Federal Requirements:	This material does not contain any hazardous air pollutants. None of the components in this product are listed as priority pollutants under the CWA. None of the components in this product are listed as toxic pollutants under the CWA.
15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the HPR and the SDS 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.
15.7	State Regulatory Information:	Polydimethylsiloxane is found on the following state criteria list: MA, NJ and PA. No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI).
15.8	Other Requirements:	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 .
		16. OTHER INFORMATION
16.1	Other Information:	WARNING! CAUSES SERIOUS EYE IRRITATION. AVOID SKIN AND EYES IF MEMBRANE IS DAMAGED OR BROKEN. Use only as directed. Discontinue use immediately if irritation develops. Liquicell membrane and adhesive come into contact with skin. If membrane is ruptured or /broken and exposure to silicone fluid occurs: May cause eye and skin irritation. In case of accident or if you feel unwell seek medical advice immediately (show label where possible). KEEP CONTAINER LOCKED UP AND OUT OF REACH OF CHILDREN.
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 & Birchwood Laboratories, LLC.'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:	Birchwood Laboratories LLC 7900 Fuller Road Eden Prairie, MN 55344 USA Tel: +1 (952) 937-7968 Fax: +1 (952) 937-7979 http://www.birchwoodlabs.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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SDS Revision: 2.1

SDS Revision Date: 6/20/2022

DEFINITION OF TERMS

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

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
RTECS No.	Registry of Toxic Effects of Chemical Substances Number
EINECS No.	European Inventory of Existing Commercial Chemical Substances Number

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists	
IDLH	Immediately Dangerous to Life and Health	
NOHSC	National Occupational Health and Safety Commission (Australia)	
OSHA	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

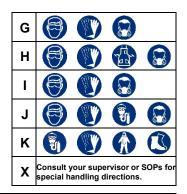
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard	
1	1 Slight Hazard	
2	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

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	─ / ₹ ₩ ≯
₩	Use No Water	HEALTH 🔪
ОХ	Oxidizer	SPECIAL
TREFOIL	Radioactive	PRECAUTIONS

TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
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	(A)	(2)	(3)	\odot	(4)		(R)
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			\limits		(
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment