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SAFETY DATA SHEET

Page 1 of 6 **SDS-E-M20S-6N**

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

SDS Revision: 3.0

SDS Revision Date: 2/4/2015

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1.1	Product Name:	MECHAN	liCALL™ S	SPRAY, NO	DN-FL	AMM	ABL	.E, (F	9/N N	120S	-6N)), 14	2 g,	No VOC
1.2	Chemical Name:	NA												
1.3	Synonyms:	NA												
1.4	Trade Names:	MechanicAL	L™ Spray, No	on-Flammable	PN M20	S-6N (5oz / 1	l 42g)						
1.5	Product Uses & Restrictions:	High Penetr	ating Deoxidiz	ing, Anti-Corr	osive Lu	brican	nt							
1.6	Distributor's Name:	CAIG Labor	atories, Inc.											
1.7	Distributor's Address:	12200 Thatc	2200 Thatcher Court, Poway, CA 92064-6876 USA											
1.8	Emergency Phone:	CHEMTRE	EC: +1 (703)	527-3887	′ +1 (80	0) 42	4-930)) (C	CN X	XXX	X)			
1.9	Business Phone / Fax:	+1 (800) 224	-4123											
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2.1	Hazard Identification:	according to WARNING! <u>Classificatio</u> <u>Hazard State</u> <u>Precautiona</u> flames and use. P405	This product is classified as a HAZARDOUS SUBSTANCE and as DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia). WARNING! PRESSURIZED CONATINER; MAY BURST IF HEATED. <u>Classification</u> : Aerosols 3 <u>Hazard Statements</u> (H): H229 – Pressurized container; may burst if heated. <u>Precautionary Statements</u> (P): P210 – Keep away from heat, hot surface, sparks, open flames and other ignition sources. No smoking. P251 – Do not pierce or burn, even after use. P405 – Store locked up. P410+P412 – Protect from sunlight. Do not expose to temperatures exceeding 50 °C / 122 °F.											
		<u>3.</u> CC	MPOSITI	<u>on</u> & Ing	REDI	ENT	INF	ORN	IAT	ON				
										SURE L	IMITS I		v /	
						ACO			NOHSC			OSH/	1	_
						рр	m	ES-	ppm ES-	ES-		ppm		_
СНЕМІ	CAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	TWA	STEL	PEAK	PEL	STEL	IDLH	OTHER
MINE	RAL SEAL OIL	64741-44-2	LX3296000	265-044-7	40-70	5	10	NF	NF	NF	NA	NA	NA	CUMULATIVE
			sp. Tox. 1; H226		1				T			1	1	
MECH	IANICALL™ M100L	NA	NA	NA	10-30	NA	NA	NF	NF	NF	NA	NA	NA	
		124-38-9	FF640000	204-696-9	5-10	5000	30000	5000	9000	NF	5000	3000	0 4000	0
CARB		Press. Gas 2:		204 000 0	5 10	5000	50000	5000	5000		5000	10000		•
			4.	FIRST AII		SUF	RES							
4.1	First Aid:	Ingestion:		FIRST AII				has b	een s	wallo	wed, (drink	plenty	of water or milk
4.1	First Aid:	Ingestion:	If ingested, d IMMEDIATEL	lo not induce Y. If the patie	vomiting ent is vor	j. If pi niting,	roduct , conti	nue to	offer	water	or m	ilk. N	ever g	of water or milk jive water or milk
4.1	First Aid:	Ingestion:	If ingested, d IMMEDIATEL to an uncon	lo not induce Y. If the patie scious perso	vomiting ent is vor on. Con	j. If pi niting, tact tl	roduct , conti he ne	nue to arest	offer Poiso	water n Cor	or m	ilk. N Cente	ever g er or	jive water or milk local emergency
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4.2	Effects of Exposure:	Eyes: Skin: Inhalation: Eyes: Skin: Inhalation: Ingestion: Eyes:	If ingested, d IMMEDIATEL to an uncom number. Pro- the substance Splashes are lukewarm wa persists repe Wash thorou water for at I irritation, red Remove victi give artificial If product is Moderately i irritation and May be irrita dermatitis) ir Upper respir speech, naus loss of conse Nausea, inter Overexposur	to not induce Y. If the patie ascious perso ovide an estim- te that was swe a not likely; I ater for at lease at flushing. O ughly with soa east 15 minut intess or swell int to fresh air respiration. swallowed, m rritating to the watering. ating to skin. a some sensit atory irritatio sea and poss ciousness stinal discome re in eyes may	vomiting ent is vor on. Con nate of th allowed. nowever, ist 15 m Set mediu p and w p and w p and w reas. Trea ing persi at once. Keep per ay cause ne eyes. The pr ve indivi n, cough ible nerv fort, vom r cause r	J. If promiting, tact the time if pro- inutes cal attent ater. If bre sts, co If bre son w nause Sym roduct duals. ing, si rous s iting a edness	roduct , conti he ne e at w oduct lifting ention In cas rostbit ontact athing arm, c ea, voi ptoms can ystem nd/or s, itch	nue to arest hich t gets i g upp e of c te if ng a phy g diffic quiet a miting s of c cause ng, sta depro- diarrh ing an	offer Poiso he ma n the er and ccessa sician ult, ac and/o verex allerg ggerir ession ea. d wate	water n Con Iterial eyes, l lowe i, imme imry, be imry, be imry, be imme imnis t medi r diar posur jic sk ng gai . Ext	or m httrol was , flus er lide diate diate diate te ma in rea t, gid rhea. e ma in rea	ilk. N Cente inges h wit s, occ ely flu ly wa ly. cygen tentio y inc actior dines over	ever g er or ted an asion ush sk rming . If br on. lude s, (e.g s, dro expos	vive water or milk local emergency and the amounts of ally. If irritation affected area. If reathing stops redness, itching, J., rashes, welts, wwsiness, slurred ure can result in
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4.2	Effects of Exposure:	Eyes: Skin: Inhalation: Eyes: Skin: Inhalation: Ingestion: Eyes:	If ingested, d IMMEDIATEL to an uncom number. Pro the substanc Splashes are lukewarm wa persists repe Wash thorou water for at I irritation, red Remove victi give artificial If product is Moderately i irritation and May be irrita dermatitis) in Upper respir speech, naus loss of conso Nausea, inter Overexposur Symptoms o Frostbite like	to not induce Y. If the patie accious perso by ide an estim- te that was swe a not likely; I ater for at lea- eat flushing. O ughly with soa- east 15 minut intess or swell int to fresh air respiration. swallowed, m rritating to skin. a some sensit atory irritatio sea and poss ciousness stinal discome re in eyes may of skin overex-	vomiting ent is von on. Com nate of the allowed. nowever, ist 15 m Set media p and w es. Treating persist at once. Keep per ay cause ne eyes. The prive indivition, cough ible nerver fort, vom cause re posure of the prive the prive the p	J. If promiting, tact the time if pro- inutes cal attent ater. If bre sts, cc If bre son w nause Sym roduct duals. ing, si rous s iting a edness may in	roduct , conti he ne e at w oduct i lifting ention In cas rostbit ontact athing arm, c ea, voi ptoms can ystem nd/or s, itch	nue to arest hich t gets i g upp e of c te if ng a phy g diffic <u>quiet a</u> miting s of c cause ng, sta depre- diarrh ing an	offer Poiso he ma n the er and ontact accessa sician ult, ac and/o verex allerg ggerir ession ea. d wate ess, it	water n Con iterial eyes, l lowe imme imry, be imme immisis medi or diar posur jic sk ng gai a. Ext ering.	or m httrol was , flus er lids hediate diate ter ou cal al rhea. rhea. t, gid reme , and	ilk. N Cente inges h wit s, occ ely flu ly wa ly. cyger tentic y inc actior dines over	ever g er or ted an n cop asion ush sk rming . If br on. lude s, dro expos	yive water or milk local emergency and the amounts of ally. If irritation kin with plenty of affected area. If eathing stops redness, itching, y., rashes, welts, wwsiness, slurred ure can result in
4.2	Effects of Exposure:	Eyes: Skin: Inhalation: Eyes: Skin: Inhalation: Ingestion: Eyes:	If ingested, d IMMEDIATEL to an uncom number. Pro- the substanc Splashes are lukewarm wa persists reper Wash thorou water for at I irritation, red Remove victi give artificial If product is Moderately i irritation and May be irrita dermatitis) in Upper respir speech, naus loss of conso Nausea, inter Overexposur Symptoms o Frostbite like dermatitis) in	lo not induce Y. If the patie scious perso poide an estim e that was sw e not likely; I ater for at lea at flushing. (ighly with soa east 15 minut limess or swell im to fresh air respiration. swallowed, m rritating to th watering. ating to skin. n some sensiti atory irritatio sea and poss ciousness stinal discom re in eyes may of skin overea e symptoms. n some individ	vomiting ent is vor on. Com nate of the allowed. nowever, ist 15 m Set media p and w es. Treating persi- at once. Keep per ay cause ne eyes. The prive indivi- tible nerver fort, vom cause re- tiposure The prive posure The prive posure The prive posure the prive posure the prive posure the prive posure the prive posure the posure	J. If provinting, tact the time if provintes collatter. If breast, collatter. If breast, collatter. If breast, collatter. If breast, collatter. Sym roduct duals. ing, si roduct duals. iting a edness may in roduct	roduct , conti he ne e at w oduct lifting ention In cas rostbit ontact eathing arm, c ea, voi ptoms can ystem nd/or s, itch hclude can	nue to arest which t gets i g upp e of c te if ne a phy g diffic quiet a miting s of c cause ng, staa diarrh ing an e redn cause	offer Poiso he ma n the er and ontact cessa sician ult, ac nd get and/o verex allerg ggerir ession ea. d wate ess, it allerg	water n Con Iterial eyes, I lowe imme imme imme imme imme imme imme im	or m httrol was flus er lids ediate e gent diate cal at rhea. t, gid reme t, gid in rea t, gid in rea t, gid	ilk. N Cente inges h witt s, occ ely flu ly wa ly. cyger tentic y inc actior dines over irrita actior	ever (er or ted an n cop asion ush sk rming . If br on. lude s, dro expos	pive water or milk local emergency and the amount of ally. If irritation kin with plenty of affected area. If eathing stops redness, itching, g., rashes, welts, wesiness, slurred ure can result in of affected areas g., rashes, welts
4.2	Effects of Exposure:	Eves: Skin: Inhalation: Eves: Skin: Inhalation: Eves: Skin: Skin:	If ingested, d IMMEDIATEL to an uncom number. Pro- the substance Splashes are lukewarm wa persists reper Wash thorou water for at I irritation, red Remove victi give artificial If product is Moderately i irritation and May be irrita dermatitis) in Upper respir Symptoms o Frostbite like dermatitis) in Upper respir	lo not induce Y. If the patie ascious perso by ide an estim- te that was swe and likely; I ater for at lea at flushing. (ighly with soar- east 15 minut limess or swell im to fresh air respiration. swallowed, m rritating to skin. a some sensit atory irritation sea and poss is some indivice atory irritation some indivice atory irritation some indivice atory irritation some indivice atory irritation sea and poss	vomiting ent is von hate of the allowed. however, ist 15 m Get media ing persi- at once. Keep per ay cause ne eyes. The pro- ve indivi- n, cough fort, vom cause r posure The pro- luals. n, cough	J. If provinting, tact the time time if provintion of the time in the time atter. If for firsts, could the time is	roduct , conti he ne e at w oduct iffting ention In cas rostbit ontact eathing arm, c ea, voi ptoms can s, itch nclude can neezir	nue to arest which t gets i g upp e of c te if ne a phy g diffic quiet a miting s of c cause ng, sta diarrh ing an e redn cause	offer Poiso he ma n the er and contact cecessa sician ult, ac nd get and/o verex allerg ggerir ea. d wate ess, it allerg	water n Con Iterial eyes, l lowe imme imme imme imme imme imme imme im	or m ntrol was , flus eediate e gent diate cal at rhea. e ma in rea t, gid rreme , and in rei , and	ilk. N Cente inges h wit s, occ ely fli ly wa ly. cyger tentic y inc actior dines over irrita actior	ever (er or ted an n cop asion ush sk rming . If br on. lude s, dro expos	yive water or milk local emergency and the amounts of ally. If irritation kin with plenty of affected area. If reathing stops redness, itching, y., rashes, welts, wwsiness, slurred



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

SDS Revision: 3.0

SDS Revision Date: 2/4/2015

		4. FIRS	ST AI		ASUR	FS - co	ont'd					
4.4	Acute Health Effects:	Moderate irritation to eyes	and sk	kin near	affected	areas. A	Additionally	, high d	concentr	ations	of vapors	can caus
4.5	Chronic Health Effects:		drowsiness, dizziness, headaches and nausea. Frostbite like effect to skin. Overexposure may trigger asthma-like symptoms in some sensitive individuals. May also induce skin sensitization and									
		respiratory hypersensitivity. Possible allergic dermatitis.										
4.6	Target Organs:	Eyes, Skin, Respiratory System.										
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, othe				isorders o		ALTH				1
		target organs (eyes, skin, an	ia respira	atory sys	stem).							0
							PH	YSICA	L HAZA	ARDS		0
											ENT	B
							EYE	:5	SKIN			
		5. FI	REFI	GHTI	NG ME	ASUR	ES					
5.1	Fire & Explosion Hazards:	Level 3 Aerosol (NFPA 30B) containers to prevent possi aerosols are bursting, stay However, if involved in a fire (e.g., CO, Hydrogen Fluoride	ible burs / clear e, this pro	sting. Á	erosols m sting is d	ay be pro	jectile haz This pro	ards wh duct is	en burs not flar	sting. If nmable.		
5.2	Extinguishing Methods:	Water, Foam, CO ₂ , Dry Cher										
	Firefighting Procedures:	Fight fires as for surrounding breathing apparatus (pressu- after the fire is out. Use wa fire upwind. Avoid spraying Prevent runoff from fire con any natural waterway. Firei pressure self-contained brea decomposition products and	ure-dema ater spra water control or d fighters athing a	and) and by to cool directly in dilution fr must us pparatus	I full prote I fire-exponto storage om enteri e full bunt to protec	ective gear used surface e containe ng sewers ker gear ir	Keep concess and to res because , drains, di ncluding NI	ontainer protect of dan rinking v OSH-ap	s cool u persona ger of b vater su proved	Intil well II. Fight oil-over. Ipply, or positive		
		6. ACCID	ENTA	AL RE	LEAS	E MEA	SURES	5				
		material such as vermiculite water or a material such as plastic brooms, shovels, dus Large Spills: Keep incompa	e or san s "speed stpans) a atible ma ite hazar	d to soa ly dry" to and place aterials (e rd area a	Equipment. Plastic or rubber gloves, respirator, eye protection and apron may be required for clean-up of large spills. <u>Small Spills</u> : Wear appropriate protective equipment including gloves and protective eyewear. Use a non-combustible material such as vermiculite or sand to soak up the product and place into a container for later disposal. Do not use water or a material such as "speedy dry" to soak up material. Sweep up material using non-sparking materials (e.g., plastic brooms, shovels, dustpans) and place into a plastic container or plastic liner within another container. <u>Large Spills</u> : Keep incompatible materials (e.g., organics such as oil) away from spill. Stay upwind and away from spill or release. Isolate immediate hazard area and keep unauthorized personnel out of area. Stop spill or release if it can be							
					otective e		ncludina re		v protec	tion as o	conditions	
7.1		7. HANDLI	NG &	STO		quipment i			y protec	tion as o	conditions	
	Work & Hygiene Practices:	7. HANDLI Do not eat, drink or smoke container(s). When used a contact is possible. Wash u	e when is intend	handling led, no a	RAGE this proc	INFOR duct. Con protective	RMATIC Itents unde equipment)N er press	ure. Ha	andle a	s to avoid	warrant.
7.2	Work & Hygiene Practices:	Do not eat, drink or smoke	e when is intend nintentic ry, well-v is above	handling led, no a onal resid ventilated 120 °F.	RAGE this proc dditional lues with s d location Keep awa	duct. Con protective soap and v (e.g., loca ay from inc	RMATIC attents under equipment varm water al exhaust compatible)N er press is nece ventilati substan	ure. Ha essary. on, fans	andle as Use ch s) away	s to avoid emical go from hea	warrant. I puncturin ggles if ey t and direc
		Do not eat, drink or smoke container(s). When used a contact is possible. Wash un Use and store in a cool, dr sunlight. Avoid temperature	e when is intend nintentic ry, well-v is above	handling led, no a onal resid ventilated 120 °F.	RAGE this proc dditional lues with s d location Keep awa	duct. Con protective soap and v (e.g., loca ay from inc	RMATIC attents under equipment varm water al exhaust compatible)N er press is nece ventilati substan	ure. Ha essary. on, fans	andle as Use ch s) away	s to avoid emical go from hea	warrant. I puncturin ggles if ey t and direc
7.2	Storage & Handling:	Do not eat, drink or smoke container(s). When used a contact is possible. Wash un Use and store in a cool, dr sunlight. Avoid temperature damage. To avoid unintentio Clean all spills promptly.	e when is intend nintentic ry, well-v is above onal spra	handling led, no a onal resid ventilateo 120 °F. aying kee	this proc dditional lues with s d location Keep awa ep cap in p	uppent i INFOR duct. Con protective soap and v (e.g., loca ay from inc place when	RMATIC tents unde equipment varm water al exhaust compatible n not in use	DN er press is nece ventilati substan e.	ure. Ha essary. on, fans ces. Pre	andle as Use ch s) away	s to avoid emical go from hea	warrant. I puncturin ggles if ey t and direc
7.2	Storage & Handling:	Do not eat, drink or smoke container(s). When used a contact is possible. Wash un Use and store in a cool, dr sunlight. Avoid temperature damage. To avoid unintention	e when is intend nintentic ry, well-v is above onal spra	handling led, no a onal resid ventilated 120 °F. aying kee	this proc dditional lues with s d location Keep awa ep cap in p	uppent i INFOR duct. Con protective soap and v (e.g., loca ay from inc place when	RMATIC tents unde equipment varm water al exhaust compatible n not in use	DN er press is nece ventilati substan e.	ure. Ha essary. on, fans ces. Pre	andle as Use ch s) away	s to avoid emical go from hea	warrant. I puncturin ggles if ey t and direc
7.2	Storage & Handling: Special Precautions:	Do not eat, drink or smoke container(s). When used a contact is possible. Wash un Use and store in a cool, dr sunlight. Avoid temperature damage. To avoid unintentio Clean all spills promptly.	e when is intend nintentic ry, well-v is above onal spra	handling led, no a onal resid ventilated 120 °F. aying kee	this proc dditional lues with s d location Keep awa ep cap in p	INFOR duct. Con protective soap and v (e.g., loca ay from inc place when SONA	RMATIC tents unde equipment varm water al exhaust compatible n not in use	DN er press is nece ventilati substan e.	ure. Ha essary. on, fans ces. Pro	andle as Use ch s) away	s to avoid emical go from hea ntainers fi	warrant. I puncturin ggles if ey t and direc
7.2	Storage & Handling: Special Precautions: Exposure Limits:	Do not eat, drink or smoke container(s). When used a contact is possible. Wash un Use and store in a cool, dr sunlight. Avoid temperature damage. To avoid unintentio Clean all spills promptly. 8. EXPOSURE CO CHEMICAL NAME(S) MINERAL SEAL OIL	e when is intend nintentio ry, well-v is above onal spra DNTR ACC TLV 5	handling led, no a nal resid ventilated 120 °F. aying kee OLS GIH STEL 10	this proc additional lues with s d location Keep awa ep cap in p & PER	INFOR duct. Con protective soap and v (e.g., loca ay from inc blace wher SONA	RMATIC equipment equipment varm water al exhaust compatible n not in use L PRO	Ver press is nece ventilati substan e.	ure. Ha essary. on, fans ces. Pro ION OSHA STEL NA	andle a Use ch s) away otect co IDLH NA	s to avoid emical go from hea ntainers fi	warrant. d puncturing ggles if ey at and direct rom physica
7.2	Storage & Handling: Special Precautions: Exposure Limits:	Do not eat, drink or smoke container(s). When used a contact is possible. Wash un Use and store in a cool, dr sunlight. Avoid temperature damage. To avoid unintention Clean all spills promptly. 8. EXPOSURE CO CHEMICAL NAME(S)	e when is intend nintentic ry, well-v is above onal spra DNTR	handling led, no a onal resid ventilated 120 °F. aying kee OLS GIH STEL	RAGE this proc additional lues with s d location Keep awa ep cap in p & PER	INFOR duct. Con protective soap and v (e.g., loca ay from inc place wher SONA NOHSC ES-STEL	RMATIC equipment varm water al exhaust compatible n not in use	PN er press is nece ventilati substan e.	ure. Ha essary. on, fans ces. Pro ION osha stel	andle a Use ch s) away otect co	s to avoid emical go from hea ntainers fi	warrant. d puncturing ggles if ey at and direct rom physica
7.2	Storage & Handling: Special Precautions: Exposure Limits:	Do not eat, drink or smoke container(s). When used a contact is possible. Wash un Use and store in a cool, dr sunlight. Avoid temperature damage. To avoid unintentio Clean all spills promptly. 8. EXPOSURE CO CHEMICAL NAME(S) MINERAL SEAL OIL	e when is intendion ry, well- is above onal spra DNTR <u>Acc</u> 5 5000 fans) or tively re	handling led, no a onal resid ventilated 120 °F. aying kee OLS (GIH STEL 10 30000 natural move ar	RAGE this proo idditional ues with s d location Keep awa ep cap in p & PER & PER Es-TWA NF 5000 ventilation ad preven	INFOR duct. Con protective soap and v (e.g., loca ay from inco blace when SONA NOHSC ES-STEL NF 9000	RMATIC tents unde equipment varm water al exhaust compatible n not in use L PRO ES-PEAK NF NF ent when the of vapors of the tent of ten	VN er press is nece ventilati substan e. FECT PEL NA 5000 nis procor mist	ure. Ha essary. on, fans ces. Pro ION OSHA STEL NA 30000 uct is ir generati	andle a: Use ch s) away otect co IDLH NA 40000 n use. ed from	s to avoid emical go from hea ntainers fr OTHER CUMULA Use loca the hand	warrant.
7.2 7.3 8.1	Storage & Handling: Special Precautions: Exposure Limits: ppm (mg/m ³) Ventilation & Engineering	Do not eat, drink or smoke container(s). When used a contact is possible. Wash un Use and store in a cool, dr sunlight. Avoid temperature damage. To avoid unintentio Clean all spills promptly. 8. EXPOSURE CO CHEMICAL NAME(S) MINERAL SEAL OIL CARBON DIOXIDE General mechanical (e.g., f exhaust ventilation to effect	e when is intendion ry, well- is above onal spra DNTR DNTR 5 5000 fans) or tively re e deconts ection is s produc 0 CFR §	handling led, no a onal resid ventilated 120 °F. aying kee OLS a GIH STEL 10 30000 30000 move ar aminatiou required ct are gei 1910.134	RAGE this proc idditional ues with s d location Keep awa ep cap in p & PER & PER & PER & PER w w w w w w w w w w	INFOR duct. Com protective soap and v (e.g., loca ay from inc blace wher SONA NOHSC ES-STEL NF 9000 is sufficie t buildup ent is avail pical circu nd respira ble U.S. S	RMATIC tents unde equipment varm water al exhaust compatible n not in use L PRO ES-PEAK NF NF ent when th of vapors of able (e.g., s umstances tory protec State regula	PR PECT PECT PEL PEL NA 5000 Dis proc prist sink, saf of use tion is n ations, c	ure. Ha essary. on, fans ces. Pro ION osha stel NA 30000 uct is ir generate ety show or hand eeded, u	andle a: Use ch s) away otect co <u>IDLH</u> NA 40000 n use. ed from wer, eye ling. In use only anadian	s to avoid emical go from hea ntainers fr OTHER CUMULA Use loca the hand -wash sta	warrant.



12.3

Effects on Aquatic Life:

to overexposed aquatic life.

SAFETY DATA SHEET

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

SDS Revision: 3.0

SDS Revision Date: 2/4/2015

8. EXPOSURE CONTROLS & PERSONAL PROTECTION				
	8.5	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., ≥ 1 gallon (3.8 L)), wear rubber, nitrile or impervious plastic gloves.	
	8.6	Body Protection:	No apron required when handling small quantities. When handling large quantities (e.g., \ge 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.	

9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Appearance:	Aerosol spray, amber
9.2	Odor:	Slight petroleum odor
9.3	Odor Threshold:	NA
9.4	pH:	NA
9.5	Melting Point/Freezing Point:	NA
9.6	Initial Boiling Point/Boiling Range:	NA
9.7	Flashpoint:	NA
9.8	Upper/Lower Flammability Limits:	NA
9.9	Vapor Pressure:	NA
9.10	Vapor Density:	NA
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:	NA
		10. STABILITY & REACTIVITY
10.1	Stability:	Stable under normal conditions; unstable with heat or contamination.
10.2	Hazardous Decomposition Products:	Change in color signifies exposure to ultraviolet light or exceeding shelf life. Will not degrade to unstable products. Discard solution.
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Open flames, sparks, high heat, incompatible substances and direct sunlight.

TOXICOLOGICAL INFORMATION 11

11.1	Routes of Entry:	Inhalation: YES	Absorption:	YES	Ingestion:	YES		
11.2	Toxicity Data:	This product has NOT been tested on anin available for some of the components of th		logy data. Toxicolo	gy data, found in sc	ientific literature, is		
11.3	Acute Toxicity:		oderate irritation to eyes and skin near affected areas. Additionally, high concentrations of vapors can cause rowsiness, dizziness, headaches and nausea.					
11.4	Chronic Toxicity:	This material may aggravate any pre-existing	ng skin condition (e.	g., dermatitis).				
11.5	Suspected Carcinogen:	No.						
11.6	Reproductive Toxicity:	This product is not reported to produce rep	roductive toxicity in	humans.				
	Mutagenicity:	This product is not reported to produce mu	tagenic effects in hu	mans.				
	Embryotoxicity:	This product is not reported to produce em	bryotoxic effects in h	numans.				
	Teratogenicity:	This product is not reported to cause terato	genic effects in hun	nans.				
	Reproductive Toxicity:	This product is not reported to cause repro	ductive effects in hu	mans.				
11.7	Irritancy of Product:	The product can cause allergic skin reaction	ons (e.g., rashes, we	lts, dermatitis) upon	prolonged or repea	ted exposure.		
11.8	Biological Exposure Indices:	NE						
11.9	Physician Recommendations:	Treat symptomatically.						
		12. ECOLOGIC	AL INFORMA	TION				
12.1	Environmental Stability:	There is no specific data available for this p	product.					
12.2	Effects on Plants & Animals:	There are no specific data available for this	s product.					

There are no specific data available for this product; however, very large releases of this product may be harmful or fatal



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i iepa		DHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 3.0 SDS Revision Date: 2/4/2015
		13. DISPOSAL CONSIDERATIONS
13.1	Waste Disposal:	Products covered by this MSDS, in their original form, when disposed as waste, are considered non hazardous wast 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.
3.2	Special Considerations:	California Waste Code: 331
The	havin description (ID Num	14. TRANSPORTATION INFORMATION nber, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additionation
		e required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.
14.1	49 CFR (GND):	UN1950, AEROSOLS, 2.2 (LTD QTY, IP VOL ≤ 1.0 L); or CONSUMER COMMODITY, ORM-D (IP VOL ≤ 1.0 L) – until 12/31/2020
14.2	IATA (AIR):	UN1950, AEROSOLS, NON-FLAMMABLE, 2.1 (LTD QTY, IP VOL ≤ 0.5 L); or
14.3	IMDG (OCN):	UN1950, AEROSOLS, 2.2 (LTD QTY, IP VOL ≤ 1.0 L)
14.4	TDGR (Canadian GND):	ID8000, CONSUMER COMMODITY, ORM-D (IP VOL ≤ 0.5 L)UN1950, AEROSOLS, 2.2 (LTD QTY, IP VOL ≤ 1.0 L)UN1950, AEROSOLS, 2.2 (LTD QTY, IP VOL ≤ 1.0 L); or MARK PACKAGE "LIMITED QUANTITY," "LTD QTY," or "QUANT LTÉE" or "QUANTITÉ LIMITÉE"UN1950, AEROSOLS, 2.2 (LTD QTY, IP VOL ≤ 1.0 L)UN1950, AEROSOLS, 2.2 (CANTIDAD LIMITADA, IP VOL ≤ 1.0 L)
14.5	ADR/RID (EU):	UN1950, AEROSOLS, 2.2 (LTD QTY, IP VOL ≤ 1.0 L)
14.6	SCT (MEXICO):	UN1950, AEROSOLES, 2.2 (CANTIDAD LIMITADA, IP VOL ≤ 1.0 L)
14.7	ADGR (AUS):	UN1950, AEROSOLS, 2.2 (LTD QTY, IP VOL ≤ 1.0 L)
	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 complies with the appropriate sections of the Food and Drug Administration's 21 CFR Subchapter G, (Cosmetics).
15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the CPR and the MSDS 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. WHMIS Class A (compressed gas)
15.7	State Regulatory Information:	Carbon Dioxide can be found on the following state criteria lists: FL, MA, MN, PA and WA. No ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substance List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardou Substances List (NJ), New York Hazardous Substances List (NY), Pennsylvan Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI).
15.8	Other Requirements:	The primary components of this product are listed in Annex I of EU Directive 67/548/EEC:
		Harmful (Xn). <u>Risk Phrases</u> (R): 65 – Harmful: may cause lung damage if swallowed. <u>Safety</u> <u>Phrases</u> (S): 2-23-24-62 – Keep away from children. Do not breathe gas, fumes, vapor or spray. Avoid contact with skin. If swallowed, do not induce vomiting: seek medical advice immediately and show this MSDS or the container label. Overexposure may cause dizziness and loss of concentration. At higher levels, CNS depression and cardiac arrhythmia may result from exposure. Vapors displace air and can cause asphyxiation in confined spaces. MAL-KODE (DK): 1-3



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		16. OTHER INFO	ORMATION				
16.1	Other Information:	WARNING! PRESSURIZED CONATINER; MAY BURST IF HEATED. Use only as directed. Keep out of reach of children. Do not breathe fumes/spray. May cause lung damage if swallowed. Avoid contact with skin. 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.					
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.					
16.3	Disclaimer:	government regulations must be reviewed for Laboratories, Inc.'s knowledge, the information accuracy, suitability or completeness is not guar provided. The information contained herein rela	SHA's Hazard Communication Standard, 29 CFR §1910.1200. Other applicability to this product. To the best of ShipMate's & CAIG contained herein is reliable and accurate as of this date; however, anteed and no warranties of any type, either expressed or implied, are tes only to the specific product(s). If this product(s) is combined with be considered. Data may be changed from time to time. Be sure to				
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/	EABORATORIES, INC.				
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

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists			
C	Ceiling Limit			
ES	Exposure Standard (Australia)			
IDLH	Immediately Dangerous to Life and Health			
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.

HMIS-III 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:

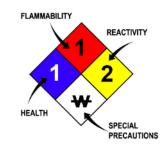
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Sa	afety Glasse	es Splash Goggles		e Shield & tive Eyewea	r Glov	ves
	Boots	Synthetic Apron	Protec &	tive Clothing Full Suit	g Dust Res	spirator
Full I	Full Face Respirator			ull Face espirator	Airline Ho or SC	
отн	ER STAN	DARD ABBREVIATIONS:				
	ML	Maximum Limit				
	mg/m3	milligrams per cubic meter				
	NA	Not Available				
	ND	Not Determined				
	NE	Not Established				
	NF	Not Found				
	NR	No Results				
	ppm	parts per million				
	SCBA	Self-Contained Breathing App	paratus			

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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

HAZARD RATINGS: 0 Minimal Hazard 1 Slight Hazard 2 Moderate Hazard 3 Severe Hazard

2	
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD _{lo}	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, TC _o , LC _{io} , & LC _o	
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		
NOHSC	National Occupational Health and Safety Commission (Australia)		
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)		
HMIS-III	National Paint & Coatings Association Hazardous Materials Identification System		

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

\bigcirc	۲	٨			۲		Ŕ		
Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F		
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive		

EC (67/548/EEC) INFORMATION:

		2×	¥	8	® X	×	×	
С	E	F	Z	0	т	Xi	Xn	
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful	

CLP/GHS (1272/2008/EC) PICTOGRAMS:

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