

Page 1 of 6 **CFA-003**

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		1.	PRODUC	T & COM	PANY	IDEN	ITIFI	CATIC	N				
1.1	Product Name:	1	X UV COA										
1.2	Chemical Name:	Isopropanol So			-								
1.3	Synonyms:	CF3	oldtioli										
1.4	Trade Names:	Clearfix UV Co	ating - CLIV										
1.5	Product Use:		olication to acry	lic or polymer	aircraft w	indows							
1.6	Distributor's Name:	Clearfix Aeros		nic or polymer	ancian w	iiiuows.							
1.7	Distributor's Address:		Loma Blvd, Sui	te H360 San I	Diego CA	92110	IISΔ						
1.8	Emergency Phone:	+1 (619) 29		to 11000, Oan i	Diego, Or	1 32 1 10	OOA						
1.9	Business Phone / Fax:	, ,											
1.9	Busiliess Filotie / Fax.	+1 (619) 297-3	10/8										
			2. HA	ZARDS I	DENT	IFICA	TIO	N					
2.1	Hazard Identification:	Propared in a							to com	nly wit	h 08L	IA 20	CFR 1910.1200
													UBSTANCE an
		as DANGERO											ODOTAINOL an
				-							-		IN IRRITATION
			RIOUS EYE IRE								. 0,000	JE OIK	III IIIIII IIII
			Flam. Liq. 2, A				-						
2.2	Label Elements:		nents (H): H22							l if ewa	llowed		
			s skin irritation										
		or dizziness.	3 Skiii iiiitatioii	. 11010 – Oaus	C3 3CHOU	3 Cyc III	itation.	11000 - 10	ay cau	oc aro	Wollies	١	
			Statements (P)	· P210 – Keer	away fro	m heat	hot sur	faces spa	irks on	en flan	nes and	۱ ۱	
			sources. No sm										
			receiving equ										
			242 – Use non										
			61 – Avoid bre										
			0 – Do not eat,										<u> </u>
		in a well-vent	ilated area. P2	280 - Wear pi	rotective	gloves/p	orotecti	ve clothin	g/eye p	rotecti	ion/face	Э	
			301+P317 –										×
			2353 – IF ON S										
			or shower. P32										
			on occurs Get										$\langle \cdot \cdot \rangle$
			fortable for brea										
			utes. Remove										
			ns persist: Get										
			fire: Use wate						toam	to ext			
			Store in a well) COOI. I	- 233 -		_4_:	4: - 4			
		diamonal facilit	v (Tene)	I - Dishose o								r	
					1 CONTONIC			- Keep co I licensed				r	
2.3	Other Warnings:	disposal facilit		CHII DREN	- Comonic							r	
2.3	Other Warnings:		F REACH OF (CHILDREN.	- Comonic							r	
2.3	Other Warnings:	KEEP OUT O				s/contair	ner to a	licensed	treatme			r	
2.3	Other Warnings:	KEEP OUT O	F REACH OF (e/contair	INFC	PRMAT	TION OSURE L	ent, sto	orage o		
2.3	Other Warnings:	KEEP OUT O	F REACH OF (ENT	INFC	PRMATE SET NORS	TION OSURE L	ent, sto	orage o		
2.3	Other Warnings:	KEEP OUT O	F REACH OF (e/contair	INFC	DRMAT EXP NOHS ppm	TION OSURE L	ent, sto	orage o		
	-	3. CC	PMPOSITI	ON & INC	REDI	ENT ACG	INFC	DRMAT EXP NOHS ppm ES- ES-	TION OSURE L	IMITS IN	I AIR (mg OSHA ppm	g/m³)	OTHER
	Other Warnings: CAL NAME(S)	KEEP OUT O	F REACH OF (ENT ACG	INFC	DRMAT EXP NOHS ppm	TION OSURE L	ent, sto	orage o		OTHER
HEM	CAL NAME(S)	3. CC CAS No. 67-63-0	PREACH OF COMPOSITION	ON & INC EINECS No. 200-661-7	% 60-100	ENT ACG	INFC	DRMAT EXP NOHS ppm ES- ES-	TION OSURE L	IMITS IN	I AIR (mg OSHA ppm	g/m³) IDLH	OTHER 400 TWA
HEM	-	3. CC	PREACH OF COMPOSITION	ON & INC EINECS No. 200-661-7	% 60-100	ENT ACG ppr TLV	INFC	DRMAT EXP NOHS PPM ES- ES- TWA STEL	TION OSURE L C ES- PEAK	IMITS IN	I AIR (mg OSHA ppm	g/m³) IDLH	
H EM	CAL NAME(S)	3. CC CAS No. 67-63-0 Flam. Liq. 2; Eye 111-76-2	RTECS No. NT8050000 Irrit. 2A; STOT S KJ8575000	ON & INC EINECS No. 200-661-7 E 3; H225, H319 203-905-0	% 60-100 0, H336 ≤ 10.0	ENT ACG ppr TLV 400	INFC	DRMAT EXP NOHS PPM ES- ES- TWA STEL	TION OSURE L C ES- PEAK	IMITS IN	I AIR (mg OSHA ppm	g/m³) IDLH	
H EM	CAL NAME(S)	3. CC CAS No. 67-63-0 Flam. Liq. 2; Eye 111-76-2 Acute Tox. (oral)	RTECS No. NT8050000 Irrit. 2A; STOT S KJ8575000 4; Skin Irrit. 2; Ey	ON & INC EINECS No. 200-661-7 E 3; H225, H319 203-905-0 ee Irrit. 2A; H302	% 60-100 9, H336 ≤ 10.0 ; H312, H3	ENT ACG ppr TLV 400 50 15, H318	INFC IIH STEL 75 9, H332	DRMAT EXP NOHS ppm ES- ES- TWA 400 500	TION OSURE L C ES- PEAK NF	IMITS IN PEL 400	AIR (mg OSHA ppm STEL	JDLH 2000	
HEM GOPI	CAL NAME(S)	3. CC CAS No. 67-63-0 Flam. Liq. 2; Eye 111-76-2	RTECS No. NT8050000 Irrit. 2A; STOT S KJ8575000	ON & INC EINECS No. 200-661-7 E 3; H225, H319 203-905-0	% 60-100 0, H336 ≤ 10.0	ENT ACG ppr TLV 400	INFC INFC	DRMAT EXP NOHS ppm ES- ES- TWA STEL 400 500	TION OSURE L C ES- PEAK	IMITS IN	AIR (mg OSHA ppm STEL	g/m³) IDLH	
HEM SOPI -BU ⁻	CAL NAME(S) ROPANOL OXYETHANOL LIC POLYMER	3. CC CAS No. 67-63-0 Flam. Liq. 2; Eye 111-76-2 Acute Tox. (oral) NA	RTECS No. NT8050000 Irrit. 2A; STOT S KJ8575000 4; Skin Irrit. 2; Ey	ON & INC EINECS No. 200-661-7 E 3; H225, H319 203-905-0 re Irrit. 2A; H302 NA	% 60-100 9, H336 ≤ 10.0 ; H312, H3	ENT ACG ppr TLV 400 50 15, H319 NA	INFC IIII STEL 75 0, H332 NA	DRMAT EXP NOHS ppm ES- ES- TWA STEL 400 500 NF NF	TION OSURE L C ES- PEAK NF NF	PEL 400 50	JAIR (mg OSHA ppm STEL 500	IDLH 2000 700	
HEM GOPI BUT	CAL NAME(S) ROPANOL OXYETHANOL	3. CC CAS No. 67-63-0 Flam. Liq. 2; Eye 111-76-2 Acute Tox. (oral) NA 127519-17-9	RTECS No. NT8050000 Irrit. 2A; STOT S KJ8575000 4; Skin Irrit. 2; Ey NA	ON & INC EINECS No. 200-661-7 E 3; H225, H319 203-905-0 ee Irrit. 2A; H302	% 60-100 9, H336 ≤ 10.0 ; H312, H3	ENT ACG ppr TLV 400 50 15, H318	INFC IIII STEL 75 0, H332 NA	DRMAT EXP NOHS ppm ES- ES- TWA 400 500	TION OSURE L C ES- PEAK NF	IMITS IN PEL 400	AIR (mg OSHA ppm STEL	JDLH 2000	
HEM GOPI BUT CRY	CAL NAME(S) ROPANOL OXYETHANOL LIC POLYMER	3. CC CAS No. 67-63-0 Flam. Liq. 2; Eye 111-76-2 Acute Tox. (oral) NA	RTECS No. NT8050000 Irrit. 2A; STOT S KJ8575000 4; Skin Irrit. 2; Ey NA	ON & INC EINECS No. 200-661-7 E 3; H225, H319 203-905-0 re Irrit. 2A; H302 NA	% 60-100 9, H336 ≤ 10.0 ; H312, H3	ENT ACG ppr TLV 400 50 15, H319 NA	INFC IIH STEL 75 0, H332 NA	DRMAT EXP NOHS ppm ES- ES- TWA STEL 400 500 NF NF	TION OSURE L C ES- PEAK NF NF	PEL 400 50	JAIR (mg OSHA ppm STEL 500	10LH 2000 700 NA	



Page 2 of 6 **CFA-003**

			4 FIDOT AID MEAGURES						
	_		4. FIRST AID MEASURES						
4.1	First Aid:	Ingestion:	If ingested, do not induce vomiting. If product has IMMEDIATELY. If the patient is vomiting, continue to unconscious person. Contact the nearest Poison Conestimate of the time at which the material was ingeswallowed.	offer water trol Center	or milk. Nev	ver give water gency number	or milk to an . Provide an		
		Eyes: Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of luke water for at least 15 minutes. If irritation occurs, contact a physician.							
		<u>Skin</u> :	If irritation occurs and product is on the skin, rinse thore washing of the affected area with soap and water. I physician immediately.						
		Inhalation:	Remove victim to fresh air at once.						
4.2	Effects of Exposure:	Ingestion:	If product is swallowed, may cause nausea, vomit depression.	ing and/or	diarrhea and	d central ner	ous system		
		Eyes:	Irritating to the eyes. Symptoms of overexposure may	/ include re	dness, itching	g, irritation and	d watering.		
		Skin:	May be irritating to skin in some sensitive individuals,	especially a	fter prolonge	d and/or repe	ated contact.		
		<u>Inhalation</u> :	Vapors of this product may be slightly irritating to the system. Symptoms of overexposure can include co breathing. Inhalation of vapors exceeding the level Information) can cause central nervous system dep	ughing, wh s listed in	eezing, nasa Section 2 (C	l congestion, omposition a	and difficulty nd Ingredien		
			nausea).						
4.3	Symptoms of Overexposure:	in eyes may of depression (e Signs/sympto speech, giddi	skin overexposure in individuals may include redness, itc cause redness, itching and watering. Irritation of the nose e.g., drowsiness, dizziness, loss of coordination and/or fat oms may include headache, dizziness, drowsiness, inco ness, and unconsciousness. Additional signs/symptoms in es in blood clotting time, internal bleeding, and/or hemogle	e and throatigue). Cen ord-ination may include	t, skin irritation tral Nervous nausea, slo	n, signs of ne System (CNS wed reaction	rvous system Depression time, slurred		
4.4	Acute Health Effects:	<u> </u>	rate irritation to eyes and skin near affected areas. Add		gh concentra	ations of vano	rs can cause		
			lizziness, headaches and nausea.	indoniany, in	gri concontre	mone or vapo	io dan dade		
4.5	Chronic Health Effects:	None known.							
4.6	Target Organs:	Eyes, Skin, R	espiratory System.						
4.7	Medical Conditions Aggravated by Exposure:		dermatitis, other skin conditions, and disorders of the (eyes, skin, and respiratory system).	HEALTH FLAMM			3		
					AL HAZAR		0		
					CTIVE EQU	IPMENT	В		
				EYES	SKIN				
			5. FIREFIGHTING MEASURES						
- A	Fin 0 Funtation Hammed	T = = =							
5.1	Fire & Explosion Hazards:	fire may build an ignition so container clos will ignite rea methane. Vap back to a leal the flashpoint	GHLY FLAMMABLE LIQUID AND VAPOR. Closed con pressure and explode. Vapors may travel long distances urce and flash back. Keep away from heat, lit cigarettes, sed. This product is a Class IB flammable liquid. When i dily and decompose to produce nitrogen and carbon or order of this product are heavier than air and may travel to king or open container. Fine mist or sprays may be flamm. If involved in a fire, this product may decompose at hig CO, CO ₂ , NO _x).	s along the sparks & convolved in a cides, carbo a source of mable at te	ground or floopen flame. a fire, this proon aldehydes ignition and mperatures b	oor to Keep oduct s and flash selow	3		
5.2	Extinguishing Methods:	Water Fog, C	O ₂ , Halon (if permitted), Dry Chemical, Foam de: 3[Y]E. <u>Hazard Identification Number</u> : 33						
5.3	Firefighting Procedures:	This product i and decompo travel to a sou First respond	is a Class IB flammable liquid. When involved in a fire, to use to produce carbon oxides. Vapors of this product a curce of ignition and flash back to a leaking or open containers should wear eye protection. Structural firefighters uipment. Use a water spray or fog to reduce or direct	re heavier ner. must wea	than air and r SCBAs an	may d full	~		



Page 3 of 6 **CFA-003**

		0 400IDEN	FAL D	<u> </u>	OF 145	- 4 01 15	5				
	T	6. ACCIDENT	AL R	ELEA	SE ME	:ASUI	RES				
6.1	Spills:	Before cleaning any spill or lea Equipment.	k, individ	luals inv	olved in s	spill clea	nup must	wear ap	opropriate	Perso	nal Protective
		For <u>small spills</u> (e.g., < 1 gallon (3.8 L)) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows) and secure all sources of ignition. Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any									
		contaminated clothing and wash the For large spills (e.g., ≥ 1 gallon (3.	noroughly	/ before r	euse.		. ,			•	•
		(e.g., sand or earth). Use ONLY or disposal and solid diking mater and wash affected skin areas with bodies of water.	non-spar ial to sep	king tools arate cor	s for recov ntainers fo	ery and or proper of	cleanup. 1 disposal. 1	Fransfer l Remove	liquid to c contamin	ontaine ated clo	ers for recovery othing promptly
		7. HANDLING	& STO)RAG	F INF)RMA	TION				
7.1	Work & Hygiene Practices:	Avoid prolonged contact with the plocal exhaust ventilation, fans). Af while handling product.	product.	Avoid bre	eathing va	pors of the	nis product				
7.2	Storage & Handling:	Keep this material away from heat closed tightly when not in use. Em should be handled with care. Sto sources of intense heat. Store aw	pty conta	ainer may iners in a	contain re cool, dry	esidual ar location,	mounts of away fro	this prod m direct	uct; there	fore, en	npty containers
7.3	Special Precautions:	Open containers slowly on a stable residual amounts of this product; the	surface.	. Кеер с	ontainer tig	ghtly clos	ed when n	ot in use.		ontaine	ers may contain
		8. EXPOSURE CONT	POI 9	2 DE	DSUN	AI DI	OTEC	TION			
8.1	Exposure Limits:	6. EXPOSURE CONT		GIH	NOON	NOHSC	VOIL	IION	OSHA		OTHER
0.1	ppm (mg/m³)	CHEMICAL NAME(S)	TLV	STEL	ES-TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH	OTHER
		ISOPROPANOL 2-BUTOXYETHANOL	400 50	500 75	400 5	500 50	NF NF	400 50	500 75	2000 700	400 TWA
		BIS(1,2,2,6,6-PENTAMETHYL-4- PIPERIDINYL) SEBACATE	NA	NA	NF	NF	NF	NA	NA	NA	(1) MFR
8.2	Ventilation & Engineering Controls:	When working with large quantities that an eyewash station, sink or wash							haust ver	tilation,	fans). Ensure
8.3	Respiratory Protection:	No special respiratory protection is use only respiratory protection a applicable U.S. state regulations, states, or Australia.	required uthorized	l under ty	pical circu S. OSHA'	mstances s require	s of use or ement in 2	handling 29 CFR	§1910.13	84, or	
8.4	Eye Protection:	Depending on the use of this produced OSHA 29 CFR §1910.133, Canad							, refer to	U.S.	
8.5	Hand Protection:	If anticipated that prolonged & reprubber gloves for routine industriappropriate standards of Canada,	eated sk al use.	in contaction of the contact of the	ct will occu sary, refe	ır during	use of this	s product			
8.6	Body Protection:	No special body protection is requester to appropriate standards of C	uired und	ler typica	l circumst				If neces	ssary,	
9.1	Appearance:	9. PHYSICAL	& CH	EMIC/	AL PRO	OPER	IIES				
9.1	Odor:	Clear, transparent coating Alcohol Odor									
9.3	Odor Threshold:	NA									
9.4	pH:	NA									
9.5	Melting Point/Freezing Point:	NA									
9.6	Initial Boiling Point/Boiling Range:	28.3°C (83 °F)									
9.7	Flashpoint:	12.5 °C (53 °F), TCC									
9.8	Upper/Lower Flammability Limits:	LEL: 2.0%; UEL: 12.7%									
9.9	Vapor Pressure:	44 mm @ 25 °C (77 °F)									
9.10	Vapor Density:	2.1 (Air = 1.0)									
9.11	Relative Density:	0.81									
9.12	Solubility:	Moderately Soluble in Water									
9.13	Partition Coefficient (log Pow):	NA NA									
9.14	Autoignition Temperature: Decomposition Temperature:	NA NA									
9.16	Viscosity:	NA									
9.17	Other Information:	Evaporation Rate: 11 (Ether = 1.0)	; VOC: 7	53 g/L							
	•										



Page 4 of 6 **CFA-003**

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		10. STABILITY & REACTIVITY
10.1	Stability:	Stable under ambient conditions when stored properly (see section 7, Storage and Handling)
10.2	Hazardous Decomposition Products:	If exposed to extremely high temperatures, the products of thermal decomposition may include irritation vapors and nitrogen and carbon oxide gases (e.g. NO _x , CO, CO ₂).
10.3	Hazardous Polymerization:	May occur if exposed to extremely high temperatures.
10.4	Conditions to Avoid:	High temperatures and incompatible substances.
10.5	Incompatible Substances:	Strong oxidizers (e.g., peroxides, superoxides), strong acids (e.g., hydrochloric or muriatic acids), or strong bases (e.g., lye, potassium hydroxide, amines).
		11. TOXICOLOGICAL INFORMATION
11.1	Routes of Entry:	Inhalation: NO 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 and are presented below: Butoxyethanol: LD ₅₀ (oral, rat) = 470 mg/kg; LC ₅₀ (inh-4h, rat) = 450 ppm;
11.3	Acute Toxicity:	See Section 4.4
11.4	Chronic Toxicity:	See Section 4.6
11.5	Suspected Carcinogen:	This product contains <u>Isopropyl Alcohol</u> and <u>Butoxyethanol</u> , which are not carcinogenic to humans, but are listed as Group 3 carcinogens by the IARC.
11.6	Reproductive Toxicity:	This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity:	This product is not reported to cause mutagenic effects in humans.
	Embryotoxicity:	This product is not reported to cause embryotoxic effects in humans.
	Teratogenicity:	This product is not reported to cause teratogenic effects in humans.
	Reproductive Toxicity:	This product is not reported to cause reproductive effects in humans.
11.7	Irritancy of Product:	See Section 4.3
11.8	Biological Exposure Indices:	Butoxyethanol: 200 mg/g (ACGIH)
11.9	Physician Recommendations:	Treat symptomatically.
11.0	1 Hydiolan 1 tederillinendations.	Treat symptomatically.
		42 FOOLOGICAL INFORMATION
	T	12. ECOLOGICAL INFORMATION
12.1	Environmental Stability:	The components of this product will slowly degrade over time into a variety of organic compounds. Specific environmental data available for the components of this product are as follows: Isopropyl Alcohol: Log Kow = 0.05-0.14. Isopropyl alcohol occurs naturally; it is generated during microbial degradation of plant and animal wastes. When released on land or water, it is apt to volatilize and biodegrade. The estimated half-life in
		water is 5.4 days. Isopropyl alcohol is not expected to bioconcentrate.
12.2	Effects on Plants & Animals:	There are no specific data 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.
		42 DICDOCAL CONCIDEDATIONS
13.1		13. DISPOSAL CONSIDERATIONS
	Waste Disposal:	
13.2	Waste Disposal: Special Considerations:	Waste disposal must be in accordance with appropriate Federal, state, and local regulations. U.S. EPA Waste Number: D001 (characteristic - ignitable)
13.2		Waste disposal must be in accordance with appropriate Federal, state, and local regulations.
	Special Considerations:	Waste disposal must be in accordance with appropriate Federal, state, and local regulations. U.S. EPA Waste Number: D001 (characteristic - ignitable) 14. TRANSPORTATION INFORMATION
The desc	Special Considerations: basic description (ID Nurcriptive information may be	Waste disposal must be in accordance with appropriate Federal, state, and local regulations. U.S. EPA Waste Number: D001 (characteristic - ignitable)
The desc	basic description (ID Nurcriptive information may b	Waste disposal must be in accordance with appropriate Federal, state, and local regulations. U.S. EPA Waste Number: D001 (characteristic - ignitable) 14. TRANSPORTATION INFORMATION mber, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional per required by 49 CFR, IATA/ICAO, IMDG and the CTDGR. UN1219, ISOPROPANOL SOLUTION, 3, II (LTD QTY, IP VOL ≤ 1.0 L)
The desc	Special Considerations: basic description (ID Nurcriptive information may be	Waste disposal must be in accordance with appropriate Federal, state, and local regulations. U.S. EPA Waste Number: D001 (characteristic - ignitable) 14. TRANSPORTATION INFORMATION mber, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional per required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.
The desc	basic description (ID Nur criptive information may b 49 CFR (GND): IATA (AIR):	Waste disposal must be in accordance with appropriate Federal, state, and local regulations. U.S. EPA Waste Number: D001 (characteristic - ignitable) 14. TRANSPORTATION INFORMATION mber, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional per required by 49 CFR, IATA/ICAO, IMDG and the CTDGR. UN1219, ISOPROPANOL SOLUTION, 3, II (LTD QTY, IP VOL ≤ 1.0 L) ID8000, CONSUMER COMMODITY, 9 (IP VOL ≤ 0.5 L); or
The desc	basic description (ID Nurcriptive information may be 49 CFR (GND):	Waste disposal must be in accordance with appropriate Federal, state, and local regulations. U.S. EPA Waste Number: D001 (characteristic - ignitable) 14. TRANSPORTATION INFORMATION mber, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional prequired by 49 CFR, IATA/ICAO, IMDG and the CTDGR. UN1219, ISOPROPANOL SOLUTION, 3, II (LTD QTY, IP VOL ≤ 1.0 L) ID8000, CONSUMER COMMODITY, 9 (IP VOL ≤ 0.5 L); or UN1219, ISOPROPANOL SOLUTION, 3, II (LTD QTY, IP VOL ≤ 0.5 L)
The desc	basic description (ID Nurriptive information may be 49 CFR (GND): IATA (AIR): IMDG (OCN): TDGR (Canadian GND):	Waste disposal must be in accordance with appropriate Federal, state, and local regulations. U.S. EPA Waste Number: D001 (characteristic - ignitable) 14. TRANSPORTATION INFORMATION mber, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional per required by 49 CFR, IATA/ICAO, IMDG and the CTDGR. UN1219, ISOPROPANOL SOLUTION, 3, II (LTD QTY, IP VOL ≤ 1.0 L) ID8000, CONSUMER COMMODITY, 9 (IP VOL ≤ 0.5 L); or UN1219, ISOPROPANOL SOLUTION, 3, II (LTD QTY, IP VOL ≤ 0.5 L) UN1219, ISOPROPANOL SOLUTION, 3, II (LTD QTY, IP VOL ≤ 1.0 L)
The desc 14.1 14.2 14.3	basic description (ID Nur criptive information may b 49 CFR (GND): IATA (AIR): IMDG (OCN): TDGR (Canadian GND):	Waste disposal must be in accordance with appropriate Federal, state, and local regulations. U.S. EPA Waste Number: D001 (characteristic - ignitable) 14. TRANSPORTATION INFORMATION mber, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional prequired by 49 CFR, IATA/ICAO, IMDG and the CTDGR. UN1219, ISOPROPANOL SOLUTION, 3, II (LTD QTY, IP VOL ≤ 1.0 L) ID8000, CONSUMER COMMODITY, 9 (IP VOL ≤ 0.5 L); or UN1219, ISOPROPANOL SOLUTION, 3, II (LTD QTY, IP VOL ≤ 1.0 L) UN1219, ISOPROPANOL SOLUTION, 3, II (LTD QTY, IP VOL ≤ 1.0 L) UN1219, ISOPROPANOL SOLUTION, 3, II (LTD QTY, IP VOL ≤ 1.0 L)
The desc 14.1 14.2 14.3 14.4	basic description (ID Nurriptive information may be 49 CFR (GND): IATA (AIR): IMDG (OCN): TDGR (Canadian GND):	Waste disposal must be in accordance with appropriate Federal, state, and local regulations. U.S. EPA Waste Number: D001 (characteristic - ignitable) 14. TRANSPORTATION INFORMATION mber, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional per required by 49 CFR, IATA/ICAO, IMDG and the CTDGR. UN1219, ISOPROPANOL SOLUTION, 3, II (LTD QTY, IP VOL ≤ 1.0 L) ID8000, CONSUMER COMMODITY, 9 (IP VOL ≤ 0.5 L); or UN1219, ISOPROPANOL SOLUTION, 3, II (LTD QTY, IP VOL ≤ 1.0 L) UN1219, ISOPROPANOL SOLUTION, 3, II (LTD QTY, IP VOL ≤ 1.0 L) UN1219, ISOPROPANOL SOLUTION, 3, II (LTD QTY, IP VOL ≤ 1.0 L) UN1219, ISOPROPANOL SOLUTION, 3, II (LTD QTY, IP VOL ≤ 1.0 L)



Page 5 of 6 **CFA-003**

		15. REGULATORY I	NEODMATION					
15.1	SARA Reporting		ubject to SARA Title III, section 313 reporting requirements.					
	Requirements:		· · · · · · · · · · · · · · · · · · ·					
15.2	SARA TPQ:	There are no specific Threshold Planning Quantiti						
15.3	TSCA Inventory Status:	The components of this product are listed on the	TSCA Inventory.					
15.4	CERCLA Reportable Quantity:	le NA						
15.5	Other Federal Requirements:	This product does not contain any substances ide	ntified as Hazardous Air Pollutants (HAPs).					
15.6	Other Canadian Regulations:	of the information required by the HPR. The comp None of the components of this product are listed D2B (Flammable Liquid, Other Toxic Effects)	hazard criteria of the HPR and the SDS contains all conents of this product are listed on the DSL/NDSL. on the Priorities Substances List. WHMIS Class B2,					
15.7	State Regulatory Information:	Hazardous Substances List (MA), Minnesota Hazardous Right-to-Know List (PA), and Washi 2-Butoxyethanol is found on the following state cri No other ingredients in this product, present in a criteria lists: California Proposition 65 (CA65), De (FL), Massachusetts Hazardous Substances List Substances List (MN), New Jersey Right-to-Know						
15.8	Other Requirements:	NA						
		16. OTHER INFO	DRMATION					
16.1	Other Information:	DANGER! HGHLY FLAMMMABLE LIQUID AND VAPOR. HARMFUL IF SWALLOWED. CAUSES SKIN IRRITATION. CAUSES SERIOUS EYE IRRITATION. MAY CAUSE DROWSINESS OR DIZZINESS. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Use explosion-proof [electrical/ventilating/lighting] equipment. Use non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritations persist: Get medical help. In case of fire: Use water fog, CO ₂ , Halon (if permitted), dry chemical, foam to extinguish. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up. KEEP OUT OF REACH OF CHILDREN.						
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.						
16.3	Disclaimer:	government regulations must be reviewed for appl knowledge, the information contained herein is completeness is not guaranteed and no warrantie contained herein relates only to the specific produ	OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other licability to this product. To the best of ShipMate's & Clearfix Aerospace's reliable and accurate as of this date; however, accuracy, suitability or s of any type, either expressed or implied, are provided. The information uct(s). If this product(s) is combined with other materials, all component unged from time to time. Be sure to consult the latest edition.					
16.4	Prepared for:	Clearfix Aerospace, Inc. 3960 W Point Loma Blvd Suite H369 San Diego, CA 92110 USA Tel: +1 (619) 297-3678 http://www.clearfixaerospace.com	CLEARFÍX° AEROSPACE					
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					



Page 6 of 6 **CFA-003**

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

SDS Revision: 1.2

SDS Revision Date: 1/13/2023

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	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

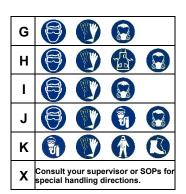
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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



PERSONAL PROTECTION RATINGS:

Α			
В			
С			
D			
Е			
F		TH.	





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:

Minimal Hazard		FLAMMABILITY		
1	Slight Hazard	\		
2	Moderate Hazard	REACTIVITY		
3	Severe Hazard			
4	Extreme Hazard			
ACD	Acidic			
ALK	Alkaline			
COR	Corrosive	/ ▼ ₩ У		
₩	Use No Water	HEALTH 🔪		
ОХ	Oxidizer	SPECIAL		
TREFOIL	Radioactive	PRECAUTIONS		

TOXICOLOGICAL INFORMATION:

	1 11 15 / 11 0 11 11 11 11 11 11 11 11 11			
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 _{Io}	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	PSL Canadian Priority Substances List					
TSCA	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