# SAFETY DATA SHEET

Page 1 of 6 **CFA-002** 

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

SDS Revision: 1.0

1.1 Product Name:	1.												
		RFIX PO		OPTIC	S RE	STO	DRA	ΓΙΟ	N – (	CF2			
1.2 Chemical Name:		n Silicate Solut	tion										
1.3 Synonyms:	CF2												
I.4 Trade Names:		Polish 2 – Optic											
1.5 Product Use:		for aircraft win		n.									
1.6 Distributor's Name:		Aerospace, Inc											
1.7 Distributor's Address:	_	Point Loma Blv		San Dieg	o, CA 9	92110	USA						
1.8 Emergency Phone:		9) 297-3678											
1.9 Business Phone / Fax:	+1 (619)	297-3678											
		2. HA	ZARDS	DENT	IFIC/		)N						
2.1 Hazard Identification:	This pro	duct is classifi						as DA	NGER	OUS	GOOD	S	
		g to the classif								200	2000		
		IG! CAUSES							,	ON.			
		ation: Eye Irrit.								2			
	-	Statements (H)			itation	H310	- Cau	600 04	rioue	eve irr	itation		
		onary Stateme											
		ater thoroughly											< Ţ ]
		n. P302+P352											· <b>` · /</b>
		. P321 – For											
		313 – If skin ir											•
		nated clothing											
continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. P337+P313 – If eye irritation persists: Get medical advice/attention.													
	– continu	ue rinsing. P33	37+P313 – If e	ye irritatio	n persis	sts: Ge	et medi	cal ad	vice/at	tentio	n.		
	– continu	ue rinsing. P33	37+P313 – If e	ye irritatio	n persis	sts: Ge	et medi	cal ad	vice/at	tentio	n.		
I		0								tentio	n.		
1		MPOSIT						IAT	ON		n. N AIR (m	g/m <sup>3</sup> )	
		0				INF	ORN	IAT	ON SURE L				]
		0			ENT	INF GIH	ORM	IAT EXPO NOHSC ppm	ON SURE L		N AIR (m		
HEMICAL NAME(S)	3. CC	MPOSIT		GREDI	ENT ACC PP	INF GIH m	ORN ES-	IAT EXPO NOHSC ppm ES-	ON SURE L	IMITS IN	N AIR (m OSHA ppm		OTHER
· ·		0				INF GIH	ORM	IAT EXPO NOHSC ppm	ON SURE L		N AIR (m OSHA		OTHER
	<b>3. CC</b> cas no. 7732-18-5	<b>MPOSIT</b> <b>RTECS No.</b> ZC0110000	EINECS No. 231-791-2	60-100	ENT ACC PP TLV NA	INF GIH MM STEL NA	ORN ES- TWA NF	IAT EXPO NOHSC ppm ES- STEL NF	ON SURE L ES- PEAK NF	IMITS IN PEL NA	N AIR (m OSHA ppm STEL NA	IDLH NA	OTHER
ATER	<b>3. CC</b> <b>CAS No.</b> 7732-18-5 66402-68-4	RTECS No.           ZC0110000	EINECS No. 231-791-2 266-340-9	GREDI %		INF GIH om STEL	ORN ES- TWA	EXPO NOHSC ppm ES- STEL	ON SURE L ES- PEAK	IMITS IN	N AIR (m OSHA ppm STEL	IDLH	OTHER
ATER	<b>3. CC</b> <b>CAS No.</b> 7732-18-5 66402-68-4 Eye Dam. 1; E	RTECS No.           ZC0110000           NA           ye Irrit. 2; H318,	EINECS No. 231-791-2 266-340-9 H319	<b>GREDI</b> % 60-100 10-30	ENT ACC PP TLV NA	INF Gih om STEL NA NA	ORN ES- TWA NF	IAT EXPO NOHSC ppm ES- STEL NF	ON SURE L ES- PEAK NF	PEL NA	N AIR (m OSHA ppm STEL NA NA	IDLH NA NA	OTHER
	<b>3. CC</b> <b>CAS No.</b> 7732-18-5 66402-68-4 Eye Dam. 1; E 57-55-6	RTECS No.           ZC0110000           NA           Eye Irrit. 2; H318,           TY200000	EINECS No. 231-791-2 266-340-9 H319 200-338-0	60-100	ENT ACC PP TLV NA	INF GIH MM STEL NA	ORN ES- TWA NF	IAT EXPO NOHSC ppm ES- STEL NF	ON SURE L ES- PEAK NF	IMITS IN PEL NA	N AIR (m OSHA ppm STEL NA	IDLH NA	OTHER
IATER	3. CC CAS No. 7732-18-5 66402-68-4 Eye Dam. 1; E 57-55-6 Skin Irrit. 3; Ey	RTECS No.           ZC0110000           NA           tye Irrit. 2; H318,           TY200000           re Irrit. 2; H316, 1	EINECS No. 231-791-2 266-340-9 H319 200-338-0 H320	<b>GREDI</b> % 60-100 10-30 1-15	ENT ACC PP TLV NA NA	INF GIH M STEL NA NA NA	ES- TWA NF NF	EXPO NOHSC ppm ES- STEL NF NF	<b>ON</b> SURE L ES- PEAK NF NF	MITS IN PEL NA NA	NAIR (m OSHA ppm STEL NA	IDLH NA NA	OTHER
HEMICAL NAME(S) VATER LUMINUM SILICATE ROPYLENE GLYCOL	<b>3. CC</b> <b>CAS No.</b> 7732-18-5 66402-68-4 Eye Dam. 1; E 57-55-6	RTECS No.           ZC0110000           NA           Eye Irrit. 2; H318,           TY200000	EINECS No. 231-791-2 266-340-9 H319 200-338-0	<b>GREDI</b> % 60-100 10-30	ENT ACC PP TLV NA	INF Gih om STEL NA NA	ORN ES- TWA NF	IAT EXPO NOHSC ppm ES- STEL NF	ON SURE L ES- PEAK NF	PEL NA	N AIR (m OSHA ppm STEL NA NA	IDLH NA NA	OTHER
VATER LUMINUM SILICATE ROPYLENE GLYCOL USED SILICA	3. CC CAS No. 7732-18-5 66402-68-4 Eye Dam. 1; E 57-55-6 Skin Irrit. 3; Ey	RTECS No.           ZC0110000           NA           tye Irrit. 2; H318,           TY200000           re Irrit. 2; H316, 1	EINECS No. 231-791-2 266-340-9 H319 200-338-0 H320	<b>GREDI</b> % 60-100 10-30 1-15	ENT ACC PP TLV NA NA	INF GIH M STEL NA NA NA	ES- TWA NF NF	EXPO NOHSC ppm ES- STEL NF NF	<b>ON</b> SURE L ES- PEAK NF NF	MITS IN PEL NA NA	NAIR (m OSHA ppm STEL NA	IDLH NA NA	OTHER
VATER	<b>3. CC</b> <b>CAS No.</b> 7732-18-5 66402-68-4 Eye Dam. 1; E 57-55-6 Skin Irrit. 3; Ey 60676-86-0 1318-23-6	RTECS No.           ZC0110000           NA           ye Irrit. 2; H318,           TY20000           re Irrit. 2; H316, 1           NA	EINECS No. 231-791-2 266-340-9 H319 200-338-0 H320 262-373-8	<b>GREDI</b> % 60-100 10-30 1-15 1-5	ENT ACC PP TLV NA NA (10)	INF BiH m STEL NA NA NA NA	ES- TWA NF NF 150 NF	EXPO NOHSC ppm ES- STEL NF NF 474 NF	ON SURE L ES- PEAK NF NF NF NF	MITS IN PEL NA NA NA	N AIR (m OSHA ppm STEL NA NA NA	IDLH NA NA NA	OTHER
VATER LUMINUM SILICATE PROPYLENE GLYCOL USED SILICA BRASIVE	<b>3. CC</b> <b>CAS No.</b> 7732-18-5 66402-68-4 Eye Dam. 1; E 57-55-6 Skin Irrit. 3; Ey 60676-86-0	RTECS No.           ZC0110000           NA           ye Irrit. 2; H318,           TY20000           re Irrit. 2; H316, 1           NA	EINECS No. 231-791-2 266-340-9 H319 200-338-0 H320 262-373-8	<b>GREDI</b> % 60-100 10-30 1-15 1-5	ENT ACC PP TLV NA NA (10)	INF Gilt MA NA NA NA	ORN ES- TWA NF NF 150 NF	AT EXPO NOHSC ppm ES- STEL NF NF 474 NF	ON SURE L ES- PEAK NF NF NF	MITS IN PEL NA NA NA	N AIR (m OSHA ppm STEL NA NA NA	IDLH NA NA NA	OTHER
VATER LUMINUM SILICATE ROPYLENE GLYCOL USED SILICA BRASIVE URFACTANT	3. CC CAS No. 7732-18-5 66402-68-4 Eye Dam. 1; E 57-55-6 Skin Irrit. 3; Ey 60676-86-0 1318-23-6 84133-50-6	RTECS No.           ZC0110000           NA           zye Irrit. 2; H318,           TY200000           re Irrit. 2; H316, 1           NA           NA           NA	EINECS No. 231-791-2 266-340-9 H319 200-338-0 H320 262-373-8 215-284-3 NA	60-100 10-30 1-15 1-5 0.5-5	ENT ACC PP TLV NA (10) NA NA	INF BiH MM STEL NA NA NA NA NA NA	ORM ES- TWA NF NF 150 NF NF NF	IAT EXPO NOHSC ppm ES- STEL NF NF 474 NF NF	ON SURE L ES- PEAK NF NF NF NF	MITS IN PEL NA NA NA NA	AIR (m OSHA ppm STEL NA NA NA NA	IDLH NA NA NA NA	
VATER LUMINUM SILICATE ROPYLENE GLYCOL USED SILICA BRASIVE URFACTANT ODIUM CARBOXYMETHYL	3. CC CAS No. 7732-18-5 66402-68-4 Eye Dam. 1; E 57-55-6 Skin Irrit. 3; Ey 60676-86-0 1318-23-6 84133-50-6 9004-32-4	RTECS No.           ZC0110000           NA           iye Irrit. 2; H318,           TY200000           ve Irrit. 2; H316, 1           NA           NA           NA           NA	EINECS No. 231-791-2 266-340-9 H319 200-338-0 H320 262-373-8 215-284-3	<b>GREDI</b> % 60-100 10-30 1-15 1-5 1-5	ENT ACC PP TLV NA (10) NA	INF BiH m STEL NA NA NA NA	ES- TWA NF NF 150 NF	EXPO NOHSC ppm ES- STEL NF NF 474 NF	ON SURE L ES- PEAK NF NF NF NF	MITS IN PEL NA NA NA	NAIR (m OSHA ppm STEL NA NA NA NA	IDLH NA NA NA NA	
IATER LUMINUM SILICATE ROPYLENE GLYCOL USED SILICA BRASIVE URFACTANT ODIUM CARBOXYMETHYL	3. CC CAS No. 7732-18-5 66402-68-4 Eye Dam. 1; E 57-55-6 Skin Irrit. 3; Ey 60676-86-0 1318-23-6 84133-50-6 9004-32-4 Aquatic Acute	RTECS No.           ZC0110000           NA           ye Irrit. 2; H318,           TY200000           re Irrit. 2; H316, 1           NA           NA           NA           NA           NA           NA	EINECS No. 231-791-2 266-340-9 H319 200-338-0 H320 262-373-8 215-284-3 NA NA	%         60-100           10-30         1-15           1-5         0.5-5           0.1-2         0.1-2	ENT ACC PP TLV NA (10) NA NA NA	INF SIH STEL NA NA NA NA NA NA NA	ORM ES- TWA NF NF 150 NF NF NF NF	NOHSC ppm ES- STEL NF 474 NF NF NF	ON SURE L ES- PEAK NF NF NF NF NF	IMITS IN PEL NA NA NA NA NA	AIR (m OSHA ppm STEL NA NA NA NA NA	IDLH NA NA NA NA NA	
VATER LUMINUM SILICATE ROPYLENE GLYCOL USED SILICA BRASIVE URFACTANT ODIUM CARBOXYMETHYL ELLULOSE	3. CC CAS No. 7732-18-5 66402-68-4 Eye Dam. 1; E 57-55-6 Skin Irrit. 3; Ey 60676-86-0 1318-23-6 84133-50-6 9004-32-4	RTECS No.           ZC0110000           NA           iye Irrit. 2; H318,           TY200000           ve Irrit. 2; H316, 1           NA           NA           NA           NA	EINECS No. 231-791-2 266-340-9 H319 200-338-0 H320 262-373-8 215-284-3 NA	60-100 10-30 1-15 1-5 0.5-5	ENT ACC PP TLV NA (10) NA NA	INF BiH M STEL NA NA NA NA NA NA	ORM ES- TWA NF NF 150 NF NF NF	IAT EXPO NOHSC ppm ES- STEL NF NF 474 NF NF	ON SURE L ES- PEAK NF NF NF NF	MITS IN PEL NA NA NA NA	AIR (m OSHA ppm STEL NA NA NA NA	IDLH NA NA NA NA	
VATER LUMINUM SILICATE ROPYLENE GLYCOL USED SILICA BRASIVE URFACTANT ODIUM CARBOXYMETHYL ELLULOSE	3. CC CAS No. 7732-18-5 66402-68-4 Eye Dam. 1; E 57-55-6 Skin Irrit. 3; Ey 60676-86-0 1318-23-6 84133-50-6 9004-32-4 Aquatic Acute 11138-66-2	RTECS No.           ZC0110000           NA           :ye Irrit. 2; H318,           TY200000           re Irrit. 2; H316, I           NA           NA           NA           NA           NA           NA           NA           NA	EINECS No. 231-791-2 266-340-9 H319 200-338-0 H320 262-373-8 215-284-3 NA NA NA 234-394-2	%         60-100           10-30         1-15           1-5         0.5-5           0.1-2         0.1-2	ENT ACC PP TLV NA (10) NA (10) NA NA NA NA	INF SIH STEL NA NA NA NA NA NA NA NA	ORN ES- TWA NF NF 150 NF NF NF NF	NoHsc ppm ES- STEL NF 474 NF NF NF NF	ON SURE L ES- PEAK NF NF NF NF NF NF	IMITS IN PEL NA NA NA NA NA	AIR (m OSHA ppm STEL NA NA NA NA NA NA	IDLH NA NA NA NA NA NA	
VATER LUMINUM SILICATE ROPYLENE GLYCOL USED SILICA BRASIVE URFACTANT ODIUM CARBOXYMETHYL ELLULOSE ANTHAN GUM	3. CC CAS No. 7732-18-5 66402-68-4 Eye Dam. 1; E 57-55-6 Skin Irrit. 3; Ey 60676-86-0 1318-23-6 84133-50-6 9004-32-4 Aquatic Acute 11138-66-2 122-99-6	RTECS No.           ZC0110000           NA           :ye Irrit. 2; H318,           TY200000           /e Irrit. 2; H316, I           NA           KM0350000	EINECS No. 231-791-2 266-340-9 H319 200-338-0 H320 262-373-8 215-284-3 NA NA NA 234-394-2 204-589-7	%         60-100           10-30         1-15           1-5         0.5-5           0.1-2         0.1-2	ENT ACC PP TLV NA (10) NA NA NA	INF BiH STEL NA NA NA NA NA NA NA	ORM ES- TWA NF NF 150 NF NF NF NF	NOHSC ppm ES- STEL NF 474 NF NF NF	ON SURE L ES- PEAK NF NF NF NF NF	IMITS IN PEL NA NA NA NA NA	AIR (m OSHA ppm STEL NA NA NA NA NA	IDLH NA NA NA NA NA	
VATER LUMINUM SILICATE ROPYLENE GLYCOL USED SILICA BRASIVE URFACTANT ODIUM CARBOXYMETHYL ELLULOSE ANTHAN GUM -PHENOXYETHANOL	3. CC CAS No. 7732-18-5 66402-68-4 Eye Dam. 1; E 57-55-6 Skin Irrit. 3; Ey 60676-86-0 1318-23-6 84133-50-6 9004-32-4 Aquatic Acute 11138-66-2 122-99-6 Acute Tox. 4; I	RTECS No.           ZC0110000           NA           zye Irrit. 2; H318,           TY200000           re Irrit. 2; H316, I           NA           Eye Irrit. 2A; H302           NA	EINECS No. 231-791-2 266-340-9 H319 200-338-0 H320 262-373-8 215-284-3 NA NA NA 234-394-2 204-589-7 )2, H319	%         60-100           10-30         1-15           1-15         1-5           0.5-5         0.1-2           0.1-2         0.1-2	ENT ACC PP TLV NA (10) NA NA NA NA NA	INF GIH STEL NA NA NA NA NA NA NA NA NA NA	ORN ES- TWA NF NF 150 NF NF NF NF NF	NoHsc ppm ES- STEL NF 474 NF NF NF NF NF	ON SURE L ES- PEAK NF NF NF NF NF NF	MITS IN PEL NA NA NA NA NA NA	AIR (m OSHA ppm STEL NA NA NA NA NA NA NA	IDLH NA NA NA NA NA NA NA	
VATER LUMINUM SILICATE ROPYLENE GLYCOL USED SILICA BRASIVE URFACTANT ODIUM CARBOXYMETHYL ELLULOSE ANTHAN GUM	3. CC CAS No. 7732-18-5 66402-68-4 Eye Dam. 1; E 57-55-6 Skin Irrit. 3; Ey 60676-86-0 1318-23-6 84133-50-6 9004-32-4 Aquatic Acute 11138-66-2 122-99-6	RTECS No.           ZC0110000           NA           :ye Irrit. 2; H318,           TY200000           /e Irrit. 2; H316, I           NA           KM0350000	EINECS No. 231-791-2 266-340-9 H319 200-338-0 H320 262-373-8 215-284-3 NA NA NA 234-394-2 204-589-7	%         60-100           10-30         1-15           1-5         0.5-5           0.1-2         0.1-2	ENT ACC PP TLV NA (10) NA (10) NA NA NA NA	INF SIH STEL NA NA NA NA NA NA NA NA	ORN ES- TWA NF NF 150 NF NF NF NF	NoHsc ppm ES- STEL NF 474 NF NF NF NF	ON SURE L ES- PEAK NF NF NF NF NF NF	IMITS IN PEL NA NA NA NA NA	AIR (m OSHA ppm STEL NA NA NA NA NA NA	IDLH NA NA NA NA NA NA	
VATER LUMINUM SILICATE ROPYLENE GLYCOL USED SILICA BRASIVE URFACTANT ODIUM CARBOXYMETHYL ELLULOSE ANTHAN GUM -PHENOXYETHANOL DUARTZ SILICA	3. CC CAS No. 7732-18-5 66402-68-4 Eye Dam. 1; E 57-55-6 Skin Irit. 3; Ey 60676-86-0 1318-23-6 84133-50-6 9004-32-4 Aquatic Acute 1122-99-6 Acute Tox. 4; 1 14808-60-7	RTECS No.           ZC0110000           NA           ye Irrit. 2; H318,           TY200000           re Irrit. 2; H316, I           NA           Eventorial for the state of the	EINECS No. 231-791-2 266-340-9 H319 200-338-0 H320 262-373-8 215-284-3 NA NA NA 234-394-2 204-589-7 02, H319 238-787-4	%           60-100           10-30           1-15           1-5           0.5-5           0.1-2           0.1-2           0.1-2           0.1-2           0.1-1	ENT ACC PP TLV NA (10) NA (10) NA NA NA NA NA NA NA	INF BiH m STEL NA NA NA NA NA NA NA NA NA NA	ORN ES- TWA NF NF 150 NF NF NF NF NF NF	AAT EXPO NOHSC Ppm ES- STEL NF 474 NF NF NF NF NF NF 0.1	ON SURE L ES- PEAK NF NF NF NF NF NF NF NF	MITS IN PEL NA NA NA NA NA NA NA	A AIR (m OSHA ppm STEL NA NA NA NA NA NA NA NA	IDLH NA NA NA NA NA NA NA	
ATER LUMINUM SILICATE ROPYLENE GLYCOL USED SILICA BRASIVE URFACTANT ODIUM CARBOXYMETHYL ELLULOSE ANTHAN GUM PHENOXYETHANOL UARTZ SILICA	3. CC CAS No. 7732-18-5 66402-68-4 Eye Dam. 1; E 57-55-6 Skin Irrit. 3; Ey 60676-86-0 1318-23-6 84133-50-6 9004-32-4 Aquatic Acute 11138-66-2 122-99-6 Acute Tox. 4; I	RTECS No.           ZC0110000           NA           zye Irrit. 2; H318,           TY200000           re Irrit. 2; H316, I           NA           Eye Irrit. 2A; H302           NA	EINECS No. 231-791-2 266-340-9 H319 200-338-0 H320 262-373-8 215-284-3 NA NA NA 234-394-2 204-589-7 )2, H319	%         60-100           10-30         1-15           1-15         1-5           0.5-5         0.1-2           0.1-2         0.1-2	ENT ACC PP TLV NA (10) NA NA NA NA NA	INF GIH STEL NA NA NA NA NA NA NA NA NA NA	ORN ES- TWA NF NF 150 NF NF NF NF NF	NoHsc ppm ES- STEL NF 474 NF NF NF NF NF	ON SURE L ES- PEAK NF NF NF NF NF NF	MITS IN PEL NA NA NA NA NA NA	AIR (m OSHA ppm STEL NA NA NA NA NA NA NA	IDLH NA NA NA NA NA NA NA S0	
ATER LUMINUM SILICATE ROPYLENE GLYCOL USED SILICA BRASIVE URFACTANT ODIUM CARBOXYMETHYL ELLULOSE ANTHAN GUM -PHENOXYETHANOL	3. CC CAS No. 7732-18-5 66402-68-4 Eye Dam. 1; E 57-55-6 Skin Irit. 3; Ey 60676-86-0 1318-23-6 84133-50-6 9004-32-4 Aquatic Acute 1122-99-6 Acute Tox. 4; 1 14808-60-7	RTECS No.           ZC0110000           NA           ye Irrit. 2; H318,           TY200000           re Irrit. 2; H316, I           NA           Eventorial for the state of the	EINECS No. 231-791-2 266-340-9 H319 200-338-0 H320 262-373-8 215-284-3 NA NA NA 234-394-2 204-589-7 02, H319 238-787-4	%           60-100           10-30           1-15           1-5           0.5-5           0.1-2           0.1-2           0.1-2           0.1-2           0.1-1	ENT ACC PP TLV NA (10) NA (10) NA NA NA NA NA NA NA	INF BiH m STEL NA NA NA NA NA NA NA NA NA NA	ORN ES- TWA NF NF 150 NF NF NF NF NF NF	AAT EXPO NOHSC Ppm ES- STEL NF 474 NF NF NF NF NF NF 0.1	ON SURE L ES- PEAK NF NF NF NF NF NF NF NF	MITS IN PEL NA NA NA NA NA NA NA	A AIR (m OSHA ppm STEL NA NA NA NA NA NA NA NA	IDLH NA NA NA NA NA NA NA S0	



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SDS Revision: 1.0

			4. FIRST AID MEASURES					
4.1	First Aid	T						
4.1	First Aid:	Ingestion:	If ingested, do not induce vomiting. If product IMMEDIATELY. If the patient is vomiting, contir to an unconscious person. Contact the nearest Provide an estimate of the time at which the substance that was swallowed.	nue to offer v Poison Cont	vater or milk rol Center o	Never give	water or milk ency number.	
		<u>Eyes</u> :	Splashes are not likely; however, if product g lukewarm water for at least 15 minutes. If irritati				amounts of	
		<u>Skin</u> :	If irritation occurs and product is on the skin, rir thorough washing of the affected area with s persists, contact a physician immediately.					
4.2	Effects of Exposure:	Inhalation:	Remove victim to fresh air at once.					
4.2		Ingestion: Eyes: Skin: Inhalation:	Irritating to the eyes. Contact with the skin during product use is not	ontact with the skin during product use is not expected to result in significant irritation. However, nay cause an allergic reaction in some sensitive individuals.				
4.3	Symptoms of Overexposure:	Ingestion:	Signs/symptoms may include abdominal pain, st			omiting and d	iarrhea.	
		Eyes:	Irritating to the eyes. Signs/symptoms may inclu hazy vision.	•		0		
		<u>Skin</u> : Inhalation:	Contact with the skin during product use is Signs/symptoms may include localized redness may cause an allergic reaction in some sensit induced) signs/symptoms may include redness, Vapors of this product may be slightly irritati respiratory system. Signs/symptoms may inclu hoarseness, and nose and throat pain. Signs/symptoms may include headache, dizzir	s, itching, dr tive individua swelling, blis ng to the n ude cough, s Central N	rying and cr als. Allergio stering, and lose, throat sneezing, na ervous Sys	acking of ski skin reactio itching. and other ti asal discharg stem (CNS)	n. However, n (non-photo ssues of the e, headache, Depression:	
			reaction time, slurred speech, giddiness, and un					
4.4	Acute Health Effects:		ate irritation to eyes and skin near affected areas ess, dizziness, headaches and nausea.	s. Additiona	ally, high coi	ncentrations of	of vapors can	
4.5	Chronic Health Effects:	None known.						
4.6	Target Organs:		piratory system, central nervous system (CNS).					
4.7	Medical Conditions Aggravated by Exposure:		ermatitis, other skin conditions, and disorders of ins (eyes, skin, and respiratory system).	HEALTH FLAMMA			1	
				PHYSIC	AL HAZAR	DS	0	
				PROTEC	TIVE EQU	IPMENT	В	
				EYES	SKIN		· ·	
	1		5. FIREFIGHTING MEASURES					
5.1	Fire & Explosion Hazards:		a fire, this product may decompose at high temp b, NO <sub>x</sub> , aldehydes).	eratures to	form toxic g	jases		
5.2	Extinguishing Methods:	Water Fog, CC	D <sub>2</sub> , Halon (if permitted), Dry Chemical, Foam				2 0	
5.3	Firefighting Procedures:	protective equ	rs should wear eye protection. Structural firefighte ipment. Use a water spray or fog to reduce or dire ually extinguishing a fire involving this product.			nd full		
		6. A	CCIDENTAL RELEASE MEASU	RES				
6.1	Spills:	Equipment. For <u>small spill</u> Maximize ven absorbent mal with local, sta water and soa For <u>large spills</u> material (e.g., containers for	In any spill or leak, individuals involved in spill cl is (e.g., < 1 gallon (3.8 L)) wear appropriate perse tilation (open doors and windows) and secure all terial and place into appropriate closed container(s te and federal regulations. Wash all affected and p. Remove any contaminated clothing and wash the is (e.g., $\geq$ 1 gallon (3.8 L)), deny entry to all unpro- bentonite, vermiculite, or commercially available recovery or disposal and solid diking material to clothing promptly and wash affected skin areas with	onal protect sources of i s) for dispos eas and out noroughly be tected individ inorganic a separate co	ive equipme gnition. Re al. Dispose side of cont fore reuse. duals. Dike bsorbent m ntainers for	ent (e.g., gog move spilled of properly in ainer with plu and contain aterial). Tran proper dispo	gles, gloves). material with n accordance enty of warm spill with inert nsfer liquid to sal. Remove	



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SDS Revision Date: 3/4/2015

		7. HANDLING & STORAGE INFORMATION
7.1	Work & Hygiene Practices:	Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Avoid breathing of vapors, mists or spray. Avoid prolonged or repeated skin contact. Wash hands after handling, and before eating. Avoid breathing of dust created by sanding, grinding or machining. When polishing with product, keep moist to avoid dust.
7.2	Storage & Handling:	Keep containers sealed at all times, store in well-ventilated area. Store away from areas where product may come into contact with food or pharmaceuticals. Store away from oxidizing agents.
7.3	Special Precautions:	Open containers slowly on a stable surface. Keep container tightly closed when not in use. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care.

# 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Exposure Limits:		ACGIH NOHSC				OSHA			OTHER	
	ppm (mg/m <sup>3</sup> )			0751	ES-	ES-	ES-		0751		
		CHEMICAL NAME(S) PROPYLENE GLYCOL	TLV (10)	STEL NA	<b>TWA</b> 150	<b>STEL</b> 474	PEAK NF	PEL NA	STEL NA	IDLH NA	
		QUARTZ SILICA	0.25	NA	NF	0.1	NF	0.1	NA	50	
		QUARTZ SILICA	0.25	NA.		0.1		0.1	IN/A	50	
8.2	Ventilation & Engineering Controls:	Provide appropriate local exhau Use in an enclosed process are areas with little or no air moveme	a is recol								
8.3	Respiratory Protection:	typical circumstances of use of authorized per U.S. OSHA's re	woid breathing of vapors, mists or spray. No special respiratory protection is required under ypical circumstances of use or handling. If necessary, use only respiratory protection uthorized per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state egulations, or the appropriate standards of Canada, its provinces, E.C. member states, or								
8.4	Eye Protection:	,	Avoid eye contact. Wear safety glasses. If necessary, refer to U.S. OSHA 29 CFR §1910.133, Canadian standards, or the European Standard EN166.								
8.5	Hand Protection:	Avoid skin contact. Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials. Gloves made from the following material(s) are recommended: <u>Nitrile Rubber</u> . If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. member states.									
8.6	Body Protection:		No special body protection is required under typical circumstances of use and handling. If necessary, refer to appropriate standards of Canada, the E.C. member states, or U.S. OSHA.								
		9. PHYSICAL &	CHEN	IICAL	PROF	PERT	IES				
9.1	Appearance:	Off-white liquid									
9.2	Odor:	Little or no odor									
9.3	Odor Threshold:	NA									
9.4	pH:	NA									
9.5	Melting Point/Freezing Point:	NA									
9.6	Initial Boiling Point/Boiling Range:	100 °C (212 °F)									
9.7	Flashpoint:	NA									
9.8	Upper/Lower Flammability Limits:	NA									
9.9	Vapor Pressure:	17.5 mm @ 25 °C (77 °F)									

9.9	Vapor Pressure:	17.5 mm @ 25 °C (77 °F)
9.10	Vapor Density:	1.1 (Air = 1.0)
9.11	Relative Density:	1.20
9.12	Solubility:	Moderately Soluble in Water @ 32 °F
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: Negligible; VOC: 0.0%
		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 <sub>x</sub> , CO, CO <sub>2</sub> ).
10.3	Hazardous Polymerization:	Hazardous polymerization will not occur.
10.4	Conditions to Avoid:	High temperatures and incompatible substances.
10.5	Incompatible Substances:	Strong oxidizing agents.

# SAFETY DATA SHEET

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

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		11. TOXICOLOGICAL INFORMATION
11.1	Routes of Entry:	Inhalation: YES Absorption: YES Ingestion: YES
11.2	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scient
		literature, is available for some of the components of the product and are presented below:
		Propylene Glycol: LD <sub>50</sub> (oral, rat) = 20,000 mg/kg.
11.3	Acute Toxicity:	See section 4.4
11.4	Chronic Toxicity:	See section 4.6
11.5	Suspected Carcinogen:	NA
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 4.4
11.8	Biological Exposure Indices:	NA
11.9	Physician Recommendations:	Treat symptomatically.
		12. ECOLOGICAL INFORMATION
12.1	Environmental Stability:	Propylene Glycol: (Pimephales promelas (fathead minnow), 96h): 52,930 mg/L; Propylene Glycol: (Daphnia mag (water flea), 48h): 13,020 mg/L
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 fatal to overexposed aguatic life.
		13. DISPOSAL CONSIDERATIONS
13.1	Waste Disposal:	Waste disposal must be in accordance with appropriate Federal, state, and local regulations.
13.2	Special Considerations:	Reclaim product if feasible. As a disposal alternative, dispose of waste product in a facility permitted to accer chemical waste.
		14. TRANSPORTATION INFORMATION
The desc	riptive information may be r	er, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additior required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.
14.1	49 CFR (GND):	NOT REGULATED
14.2	IATA (AIR):	NOT REGULATED
14.3	IMDG (OCN):	NOT REGULATED
14.4	TDGR (Canadian GND):	NOT REGULATED
14.5	ADR/RID (EU):	NOT REGULATED
14.6	SCT (MEXICO):	NOT REGULATED
	ADGC (AUS):	



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		15. REGULATORY I	NFORMATION				
15.1	SARA Reporting Requirements:	This product contains <u>2-Phenoxyethanol</u> ( reporting requirements.	Glycol Ethers), a substance subject to SARA Title III, section 313				
15.2	SARA Threshold Planning Quantity:	There are no specific Threshold Planning Qu	antities for the components of this product.				
15.3	TSCA Inventory Status:	The components of this product are listed on					
15.4	CERCLA Reportable Quantity (RQ):	NA					
15.5	Other Federal Requirements:	This product does not contain any substance	es identified as Hazardous Air Pollutants (HAPs).				
15.6	Other Canadian Regulations:	This product has been classified according contains all of the information required by th	to the hazard criteria of the CPR and the MSDS e CPR. The components of this product are listed nents of this product are listed on the Priorities				
15.7	State Regulatory Information:	Right-to-Know List (PA), and Washington Pe <u>Aluminum Silicate</u> is found on the following s <u>Silica</u> is found on the following state criteria I <u>2-Phenoxyethanol</u> is listed on the following s No other ingredients in this product, present state criteria lists: California Proposition 65 Substances List (FL), Massachusetts Haza Minnesota Hazardous Substances List (f Substances List (NY), Pennsylvania Right Wisconsin Hazardous Substances List (WI).	tate criteria lists: NJ, and PA.́ ists: NJ, and PA.				
15.8	Other Requirements:	The primary components of this product are not listed in Annex I of EU Directive 67/548/EEC: Irritant (Xi). <u>Risk Phrases</u> (R):36/38 – Irritating to eyes and skin. <u>Safety Phrases</u> (S): 2-26-28- 36/37/39-45 – Keep out of reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, was immediately with plenty of soap and water. Wear suitable protective clothing, gloves and eye/face protection. If swallowed, seek medical advice immediately and show this container or label.					
16.1	Other Information:	16. OTHER INFO					
10.1	Other Information.	skin areas with soap and warm water thor protection. IF ON SKIN: Wash with soap an medical advice/attention. Take off conta continuously with water for several minutes.	<b>RITATION. CAUSES SKIN IRRITATION.</b> Wash hands and exposed oughly after handling. Wear protective gloves/protective clothing/eye nd warm water thoroughly after handling. If skin irritation occurs: Get minated clothing and wash it before reuse. IF IN EYES - Rinse Remove contact lenses if present and easy to do – continue rinsing. If tention. <b>KEEP OUT OF REACH OF CHILDREN.</b>				
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.					
16.3	Disclaimer:	See last page of this safety Data Sheet. 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 & Clearfix Aerospace'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:	Clearfix Aerospace, Inc. 3960 W Point Loma Blvd Suite H369 San Diego, CA 92110 USA Tel: +1 (619) 297-3678 http://www.clearfixaerospace.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	ShipMate Dangerous Goods Training & Consulting				



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

SDS Revision: 1.0

SDS Revision Date: 3/4/2015

## **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
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

#### 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	HEALTH
1	Slight Hazard	FLAMMABILITY
2	Moderate Hazard	PHYSICAL HAZARDS
3	Severe Hazard	PERSONAL PROTECTION
4	Extreme Hazard	

#### PERSONAL PROTECTION RATINGS:

Α	0		G	0			
в	6		Н				
С			I				
D	ß		J				
Е			κ	(1) (1)			
F			X			upervisor o dling direct	
Sa	fety Glasses	Splash Goggles		Shield 8 ive Eyew		Glove	) es
	Boots	Synthetic Apron		ive Cloth	ing	Dust Res	birator

### OTHER STANDARD ABBREVIATIONS:

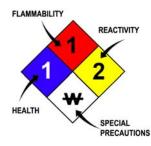
NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus
Flam.	Flammable
Liq.	Liquid
Sol.	Solid
Tox.	Toxicity
Irrit.	Irritation
Sens.	Senitization
Ox.	Oxidizing
Corr.	Corrosion
Repr.	Reproductive (Harm)
Asp.	Aspiration
Inh.	Inhalation
Dam.	Damage
STOT SE	Specific Target Organ Toxicity – Single Exposure
STOT RE	Specific Target Organ Toxicity – Repeated Exposure

### NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:					
Autoignition	Minimum temperature required to initiate combustion in air with no other source				
Temperature	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				
ULL	explode or ignite in the presence of an ignition source				

### HAZARD RATINGS:

0	Minimal Hazard				
1	Slight Hazard				
2	Moderate Hazard				
3	Severe Hazard				
4	Extreme Hazard				
ACD	Acidic				
ALK	Alkaline				
COR	Corrosive				
₩	Use No Water				
OX	Oxidizer				
TREFOIL	Radioactive				



#### TOXICOLOGICAL INFORMATION:

LD <sub>50</sub>	Lethal Dose (solids & liquids) which kills 50% of the exposed animal					
	S					
LC <sub>50</sub>	Lethal concentration (gases) which kills 50% of the exposed animal					
ppm	Concentration expressed in parts of material per million parts					
TD <sub>Io</sub>	Lowest dose to cause a symptom					
TCLo	Lowest concentration to cause a symptom					
TD <sub>Io</sub> , LD <sub>Io</sub> , & LD <sub>o</sub> or	Lowest dose (or concentration) to cause lethal or toxic effects					
TC, TC <sub>o</sub> , LC <sub>lo</sub> , & LC <sub>o</sub>						
IARC	International Agency for Research on Cancer					
NTP	National Toxicology Program					
RTECS	Registry of Toxic Effects of Chemical Substances					
BCF	Bioconcentration Factor					
TLm	Median threshold limit					
log K <sub>ow</sub> or log K <sub>oc</sub>	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:

$\bigcirc$	۲	٨		Ð	۲		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

#### EC (67/548/EEC) INFORMATION:

<b>N</b>		*		8	<b>.</b>	×	×
С	E	F	Ν	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	Environ- ment