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NF NA NA

NA

NA

NA

NA

NA

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 1.0 SDS Revision Date: 7/9/2020

		1.	PRODUC	T & CON	IPANY	IDE	NTIF	-ICA	TIO	N				
1.1	Product Name:	SMOOTH	HING SPR	AY, 43.5	3% VO	С								
1.2	Chemical Name:	Aerosol												
1.3	Synonyms:	SW-3091												
1.4	Trade Names:	Smoothing Sp	oray, 43.53% V	OC										
1.5	Product Use:	Aerosol Hair Spray												
1.6	Distributor's Name:	Shield Packa	ging of CA, Inc	-										
1.7	Distributor's Address:	5165 "G" Street, Chino CA 91710 USA												
1.8	Emergency Phone:	CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300												
1.9	Business Phone / Fax:		4707 / +1 (909		(550	,,								
		. (000) 020		,										
			2. H	AZARDS	IDENT	IFIC	ATIC	ON						
2.1	Hazard Identification:		is classified as				and as	s DAN	GERO	US GO	OODS	accord	ding to th	ne classificatio
			HSC: 1088 (20											
		WARNING! IRRITATION.	FLAMMABLE	AEROSOL.	PRESSU	RIZED	CON	TAINE	R: MA	AY BU	IRST I	F HEA	ATED.	CAUSES EY
		_	: Aerosol 2; Sł	kin Sens. 1B; I	Eye Irrit. 2									
2.2	Label Elements:		ments (H): H2			I. H229	9 – Pr	essuriz	zed co	ntaine	r: may	burst	if	
) – Causes eye								,			
			y Statements (
			nition sources.											
			251 – Do n											
			st/vapors/spray											
													or 📗 🤻	
		several mini	thoroughly after handling. P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsin											
	P337+P313 – If eye irritation persists get medical advice/attention. P403+P235 – Stor												j.	
		P337+P313 -	 If eye irritatio 	n persists get	medical a	dvice/a	ttentio	n. P40	03+P2	35 – S	tore in	a wel]. -	
		P337+P313 - ventilated pla	– If eye irritatio ice. Keep cool	n persists get . P410+P412	medical a Protect	dvice/a from su	ttentio unlight	n. P40 . Do n	03+P2 ot exp	35 – S ose to	tore in	a wel erature]. - s	V
		P337+P313 - ventilated pla exceeding 50	– If eye irritatio ice. Keep cool) °C (122 °F).	n persists get . P410+P412	medical a Protect	dvice/a from su	ttentio unlight	n. P40 . Do n	03+P2 ot exp	35 – S ose to	tore in	a wel erature]. - s	V
0.0	OhoWasiasa	P337+P313 - ventilated pla exceeding 50 or disposal fa	- If eye irritatio ace. Keep cool) °C (122 °F). acility (TSDF).	n persists get . P410+P412 P501 – Dispo	medical a ! – Protect se of cont	dvice/a from su ents/co	ttentio unlight ntainer	n. P4(. Don rtoali	03+P2 ot exp	35 – S ose to	tore in	a wel erature]. - s	<u> </u>
2.3	Other Warnings:	P337+P313 - ventilated pla exceeding 50 or disposal fa	– If eye irritatio ice. Keep cool) °C (122 °F).	n persists get . P410+P412 P501 – Dispo	medical a ! – Protect se of cont	dvice/a from su ents/co	ttentio unlight ntainer	n. P4(. Don rtoali	03+P2 ot exp	35 – S ose to	tore in	a wel erature]. - s	
2.3	Other Warnings:	P337+P313 - ventilated pla exceeding 50 or disposal fa	- If eye irritation ince. Keep cool of °C (122 °F). acility (TSDF).	n persists get . P410+P412 P501 – Dispo CHILDREN.	medical at a Protect se of conton	dvice/a from su ents/con ntains a	ttentio unlight ntainer tree n	n. P40 . Do n r to a li ut.	03+P2 ot exp icense	35 – S ose to d treat	tore in	a wel erature]. - s	<u> </u>
2.3	Other Warnings:	P337+P313 - ventilated pla exceeding 50 or disposal fa	- If eye irritatio ace. Keep cool) °C (122 °F). acility (TSDF).	n persists get . P410+P412 P501 – Dispo CHILDREN.	medical at a Protect se of conton	dvice/a from su ents/con ntains a	ttentio unlight ntainer tree n	n. P40 . Do n r to a li ut.	03+P2i lot exp icense	35 – S ose to d treat	tore in tempe ment,	a well erature storag	g. I- s e	
2.3	Other Warnings:	P337+P313 - ventilated pla exceeding 50 or disposal fa	- If eye irritation ince. Keep cool of °C (122 °F). acility (TSDF).	n persists get . P410+P412 P501 – Dispo CHILDREN.	medical at a Protect se of conton	dvice/a from su ents/con tains a	ttention unlight ntainer tree n	n. P4(. Do n r to a li ut.	03+P2inot exposicense	35 – Sose to ditreat	tore in tempe ment,	a well erature storag	g. - -	
2.3	Other Warnings:	P337+P313 - ventilated pla exceeding 50 or disposal fa	- If eye irritation ince. Keep cool of °C (122 °F). acility (TSDF).	n persists get . P410+P412 P501 – Dispo CHILDREN.	medical at a Protect se of conton	dvice/a from su ents/con tains a	ttention unlight ntainer tree n	n. P4(. Do n r to a li ut.	03+P2i lot exp icense	35 – Sose to ditreat	tore in tempe ment,	a well erature storage	g. - -	
2.3	Other Warnings:	P337+P313 - ventilated pla exceeding 50 or disposal fa	- If eye irritation ace. Keep cool of °C (122 °F). acility (TSDF). DF REACH OF	n persists get P410+P412 P501 – Dispo CHILDREN.	medical at a Protect se of conton	dvice/a from su ents/con tains a	ttentio unlight ntainer tree n INF	n. P4(. Do n r to a li ut.	JAT EXPO NOHSC ppm ES-	35 – Sose to do treat	tempe ment,	a wellerature storag	g.	
	Other Warnings:	P337+P313 - ventilated pla exceeding 50 or disposal fa KEEP OUT 0	- If eye irritation ace. Keep cool of °C (122 °F). acility (TSDF). OF REACH OF OMPOSIT	n persists get P410+P412 P501 – Dispo CHILDREN. TON & IN	medical a 2 – Protect se of conte Note: Cor	dvice/a from su ents/coo stains a ENT ACC PP	ttentio unlight ntainer tree n INF	n. P4(. Do n r to a li ut.	MAT EXPO NOHSC ppm ES- STEL	35 – Sose to d treat	tore in temper ment,	a wellerature storag	g.	OTHER
:НЕМІ	-	P337+P313 - ventilated pla exceeding 50 or disposal fa KEEP OUT C 3. CC CAS No. 64-17-5	- If eye irritation ince. Keep cool of °C (122 °F). acility (TSDF). DF REACH OF OMPOSIT RTECS No. KQ6300000	n persists get P410+P412 P501 – Dispo CHILDREN.	medical a 2 – Protect se of conte Note: Cor	dvice/a from su ents/coo stains a ENT ACC PP	ttentio unlight ntainer tree n INF	n. P4(. Do n r to a li ut.	JAT EXPO NOHSC ppm ES-	35 – Sose to do treat	tempe ment,	a wellerature storag	g.	OTHER
НЕМІ	ICAL NAME(S)	P337+P313 - ventilated pla exceeding 50 or disposal fa KEEP OUT C 3. CC CAS No. 64-17-5 Flam.Liq.2; H	- If eye irritation ince. Keep cool of °C (122 °F). Incility (TSDF). DF REACH OF OMPOSIT RTECS No. KQ6300000	n persists get . P410+P412 P501 – Dispo CHILDREN. ION & IN EINECS No. 200-578-6	medical a 2 – Protect se of conto	dvice/a from st ents/con tains a ENT AC pp TLV 1000	ttentio unlight ntainer tree n INF GIH om STEL 3000	n. P4(. Do n r to a li ut. ORN ES- TWA	JAT EXPO NOHSC ppm ES- STEL 1800	35 – Sose to describe the solution of the solu	itore in temperment, IMITS IN PEL 1000	AIR (mg OSHA ppm STEL 1900	g/m³) IDLH 3300	OTHER
CHEMI ETHA	ICAL NAME(S)	P337+P313 - ventilated pla exceeding 50 or disposal fa KEEP OUT C 3. C0 CAS No. 64-17-5 Flam.Liq.2; H 75-37-6	- If eye irritation ince. Keep cool of °C (122 °F). It is consistent of the cool of °C (122 °F). It is consistent of the cool of °C (122 °F). It is consistent of the cool of °C (122 °F). It is consistent of cool of °C (122 °F). It is consistent of cool of °C (122 °F). It is consistent of °C (122	n persists get P410+P412 P501 – Dispo CHILDREN. TON & IN	medical a 2 – Protect se of conte Note: Cor	dvice/a from su ents/coo stains a ENT ACC PP	ttentio unlight ntainer tree n INF GIH om STEL 3000	n. P4(. Do n r to a li ut.	MAT EXPO NOHSC ppm ES- STEL	35 – Sose to d treat	tore in temper ment,	a wellerature storag	g.	OTHER
: HEMI :THA	ICAL NAME(S) NOL (SD ALCOHOL 40B)	P337+P313 - ventilated pla exceeding 50 or disposal fa KEEP OUT C 3. CC CAS No. 64-17-5 Flam.Liq.2; H 75-37-6 Flam. Gas 1;	- If eye irritation ince. Keep cool of °C (122 °F). It is consistent of the cool of °C (122 °F). It is consistent of the cool of °C (122 °F). It is consistent of the cool of °C (122 °F). It is consistent of cool of °C (122 °F). It is consistent of cool of °C (122 °F). It is consistent of °C (122	n persists get P410+P412 P501 – Dispo CHILDREN. ION & IN EINECS No. 200-578-6	medical a 2 – Protect se of contest of conte	tains a ENT AC PR TLV 1000	ttentiounlight ntainer tree n INF GIH STEL 3000 NA	n. P40. Do n r to a li ut. ORN Es- TWA 1000	MAT EXPO NOHOE STEL 1800	35 – Sose to d treat ION SURE L ES-PEAK NF	imits in PEL 1000	I AIR (mg OSHA ppm STEL 1900	g/m³) IDLH 3300	OTHER
HEMI THA	ICAL NAME(S) NOL (SD ALCOHOL 40B)	P337+P313 - ventilated pla exceeding 50 or disposal fa KEEP OUT C 3. C0 CAS No. 64-17-5 Flam.Liq.2; H 75-37-6	- If eye irritation ince. Keep cool of °C (122 °F). It is consistent of the cool of °C (122 °F). It is consistent of the cool of °C (122 °F). It is consistent of the cool of °C (122 °F). It is consistent of cool of °C (122 °F). It is consistent of cool of °C (122 °F). It is consistent of °C (122	n persists get . P410+P412 P501 – Dispo CHILDREN. ION & IN EINECS No. 200-578-6	medical a 2 – Protect se of conto	dvice/a from st ents/con tains a ENT AC pp TLV 1000	ttentio unlight ntainer tree n INF GIH om STEL 3000	n. P4(. Do n r to a li ut. ORN ES- TWA	JAT EXPO NOHSC ppm ES- STEL 1800	35 – Sose to describe the solution of the solu	itore in temperment, IMITS IN PEL 1000	AIR (mg OSHA ppm STEL 1900	g/m³) IDLH 3300	OTHER
HEMI THA DIFLU	ICAL NAME(S) INOL (SD ALCOHOL 40B) JOROETHANE (R-152a) 5 ALKYL BENZOATE	P337+P313 - ventilated pla exceeding 50 or disposal fa KEEP OUT C 3. CC CAS No. 64-17-5 Flam.Liq.2; H 75-37-6 Flam. Gas 1;	- If eye irritation ince. Keep cool of °C (122 °F). It is consistent of the cool of °C (122 °F). It is consistent of the cool of °C (122 °F). It is consistent of the cool of °C (122 °F). It is consistent of cool of °C (122 °F). It is consistent of cool of °C (122 °F). It is consistent of °C (122	n persists get P410+P412 P501 – Dispo CHILDREN. ION & IN EINECS No. 200-578-6	medical a 2 – Protect se of contest of conte	tains a ENT AC PR TLV 1000	ttentiounlight ntainer tree n INF GIH STEL 3000 NA	n. P40. Do n r to a li ut. ORN Es- TWA 1000	MAT EXPO NOHOE STEL 1800	35 – Sose to d treat ION SURE L ES-PEAK NF	imits in PEL 1000	I AIR (mg OSHA ppm STEL 1900	g/m³) IDLH 3300	OTHER
ETHA DIFLU	ICAL NAME(S) NOL (SD ALCOHOL 40B) JOROETHANE (R-152a)	P337+P313 - ventilated pla exceeding 50 or disposal fa KEEP OUT C 3. CC CAS No. 64-17-5 Flam.Liq.2; H 75-37-6 Flam. Gas 1; 68411-27-8	- If eye irritation ace. Keep cool of C (122 °F). acility (TSDF). DF REACH OF OMPOSIT RTECS No. KQ6300000 225 KI4100000 H220 NA	n persists get P410+P412 P501 – Dispo CHILDREN. ION & IN EINECS No. 200-578-6 200-866-1 270-112-4 NA	medical a 2 – Protect see of contest of cont	dvice/a from st ents/con stains a ENT AC pr TLV 1000 NA NA	ttentiounlight ntainer tree n INF GIH STEL 3000 NA NA	n. P40. Do n to a li ut. ORN Es- TWA 1000 NF NF	MAT EXPO NOHSC ppm ES- STEL 1800 NF	35 – Sose to d treat ION SURE L ES-PEAK NF NF NF	IMITS IN PEL 1000 NA NA	AIR (mg OSHA ppm STEL 1900 NA NA	g/m³) IDLH 3300 NA NA	OTHER
HEMI THA DIFLU C12-1	ICAL NAME(S) INOL (SD ALCOHOL 40B) JOROETHANE (R-152a) 5 ALKYL BENZOATE	P337+P313 - ventilated pla exceeding 50 or disposal fa KEEP OUT C 3. CC CAS No. 64-17-5 Flam.Liq.2; H 75-37-6 Flam. Gas 1; 68411-27-8	- If eye irritation ince. Keep cool of C (122 °F). It is consistent of the cool of the coo	n persists get P410+P412 P501 – Dispo CHILDREN. ION & IN EINECS No. 200-578-6 200-866-1 270-112-4	medical a 2 – Protect se of contest se of co	dvice/a from st ents/con atains a ENT AC pp TLV 1000 1000	ttentiounlight ntainer tree n INF GIH DIM STEL 3000 NA NA	n. P40. Do n to a li ut. ORN ES-TWA 1000 NF	MAT EXPO NOHSC ppm ES- STEL 1800 NF	35 – Sose to d treat ION SURE L ES-PEAK NF NF	IMITS IN PEL 1000 NA NA	AIR (mg OSHA ppm STEL 1900 NA	g/m³) IDLH 3300 NA	OTHER
ETHA DIFLU C12-1 ETHY	ICAL NAME(S) NOL (SD ALCOHOL 40B) JOROETHANE (R-152a) 5 ALKYL BENZOATE LHEXYL OLIVATE L MACADAMIATE	P337+P313 - ventilated pla exceeding 50 or disposal fa KEEP OUT C 3. CC CAS No. 64-17-5 Flam.Liq.2; H 75-37-6 Flam. Gas 1; 68411-27-8	- If eye irritation ace. Keep cool of C (122 °F). acility (TSDF). DF REACH OF OMPOSIT RTECS No. KQ6300000 225 KI4100000 H220 NA	n persists get P410+P412 P501 – Dispo CHILDREN. ION & IN EINECS No. 200-578-6 200-866-1 270-112-4 NA	medical a 2	dvice/a from st ents/con stains a ENT ACC PF TLV 1000 NA NA NA	ttentiounlight ntainer tree n INF GIH STEL 3000 NA NA NA	n. P40. Do n to a li ut. ORN Es- TWA 1000 NF NF	MAT EXPO NOHSC ppm ES- STEL 1800 NF NF	SURE L ES-PEAK NF NF NF	IMITS IN PEL 1000 NA NA NA	AIR (mg OSHA ppm STEL 1900 NA NA NA		OTHER
OIFLU C12-1 ETHY	JOROETHANE (R-152a) 5 ALKYL BENZOATE	P337+P313 - ventilated pla exceeding 50 or disposal fa KEEP OUT 0 3. C0 CAS No. 64-17-5 Flam.Liq.2; H 75-37-6 Flam. Gas 1; 68411-27-8 NA 214495-31-5 93685-80-4	- If eye irritation ace. Keep cool of C (122 °F). acility (TSDF). DF REACH OF OMPOSIT RTECS No. KQ6300000 225 K14100000 H220 NA NA NA	n persists get P410+P412 P501 – Dispo CHILDREN. ION & IN EINECS No. 200-578-6 200-866-1 270-112-4 NA NA 297-628-2	medical a 2 – Protect see of contest of cont	dvice/a from st ents/con stains a ENT AC pr TLV 1000 NA NA	ttentiounlight ntainer tree n INF GIH STEL 3000 NA NA	n. P40. Do n to a li ut. ORN Es- TWA 1000 NF NF	MAT EXPO NOHSC ppm ES- STEL 1800 NF	35 – Sose to d treat ION SURE L ES-PEAK NF NF NF	IMITS IN PEL 1000 NA NA	AIR (mg OSHA ppm STEL 1900 NA NA	g/m³) IDLH 3300 NA NA	OTHER
CHEMI ETHA C12-1 ETHY SOHE	ICAL NAME(S) NOL (SD ALCOHOL 40B) JOROETHANE (R-152a) 5 ALKYL BENZOATE LHEXYL OLIVATE L MACADAMIATE EXADECANE	P337+P313 - ventilated pla exceeding 50 or disposal fa KEEP OUT 0 3. C0 CAS No. 64-17-5 Flam.Liq.2; H 75-37-6 Flam. Gas 1; 68411-27-8 NA 214495-31-5 93685-80-4	- If eye irritation ace. Keep cool of C (122 °F). acility (TSDF). DF REACH OF OMPOSIT RTECS No. KQ6300000 225 KI4100000 H220 NA NA	n persists get P410+P412 P501 – Dispo CHILDREN. ION & IN EINECS No. 200-578-6 200-866-1 270-112-4 NA NA 297-628-2	medical a 2	dvice/a from st ents/con stains a ENT ACC PF TLV 1000 NA NA NA	ttentiounlight ntainer tree n INF GIH STEL 3000 NA NA NA	n. P40. Do n to a li ut. ORN Es- TWA 1000 NF NF	MAT EXPO NOHSC ppm ES- STEL 1800 NF NF	SURE L ES-PEAK NF NF NF	IMITS IN PEL 1000 NA NA NA	AIR (mg OSHA ppm STEL 1900 NA NA NA		OTHER
HEMI TTHA DIFLU \$12-1 TTHY	ICAL NAME(S) NOL (SD ALCOHOL 40B) JOROETHANE (R-152a) 5 ALKYL BENZOATE LHEXYL OLIVATE L MACADAMIATE	P337+P313 - ventilated pla exceeding 50 or disposal fa KEEP OUT C 3. CC CAS No. 64-17-5 Flam.Liq.2; H. 75-37-6 Flam. Gas 1; 68411-27-8 NA 214495-31-5 93685-80-4 Asp. Tox. 1; A 13475-82-6	- If eye irritation ace. Keep cool of C (122 °F). acility (TSDF). DF REACH OF OMPOSIT RTECS No. KQ6300000 225 K14100000 H220 NA	EINECS No. 200-578-6 200-866-1 270-112-4 NA 297-628-2 14, H332 236-757-0	medical a 2 - Protect se of contone Note: Cor	dvice/a from st ents/col atains a ENT Acc PF TLV 1000 NA NA NA NA	ttentiounlight ntainer tree n INF GIH STEL 3000 NA NA NA NA	DO NF NF NF	MAT EXPO NOHSC ppm ES- STEL 1800 NF NF NF	SURE L ES-PEAK NF NF NF NF	IMITS IN PEL 1000 NA NA NA NA	AIR (mg OSHA ppm STEL 1900 NA NA		OTHER

2116-84-9

64742-46-7

58748-38-2

69011-36-5 NA

NA

PHENYL TRIMETHICONE

FRAGRANCE / PARFUM

VA/CRONATES/VINYL NEODECANOATE COPOLYMER

C13-15 ALKANE

TRIDECETH-12

NA

NA

NA

NA

218-320-6

934-954-2

500-241-6

NA

NA

0.1-1

0.1-1

0.1-1

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 1.0 SDS Revision Date: 7/9/2020

									ATION — cont'd EXPOSURE LIMITS IN AIR (mg/m³)							
						AC	ACGIH		NOHSC		OSHA					
						pp	om		ppm			ppm				
СНЕМ	CAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES- TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH] ,	OTHER	
SQUA	LANE	111-01-3	XB6070000	203-825-6	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA			
TRIF	HYL CITRATE	77-93-0	NA	201-070-7	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA			
		124-68-5	UA5950000	204-709-8	0-0.1	l NA	NA	NF	NF	NF	NA	NA	NA			
AMIN	OMETHYL PROPANOL	Eye Irrit. 2; S	Skin Irrit. 2; Aquatio	Chronic 3; H31	9, H315, H	412								1		
WATE	ER (AQUA/EAU)	7732-18-5	NA	231-791-2	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA			
тосс	PHEROL (VITAMIN E)	10191-41-0	NA	233-466-0	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA			
MALI	CACID	97-67-6	NA	202-601-5	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA			
		l														
4.1	First Aid:	Ingestions		FIRST A						allav	d .	م بامنداد	lonti, a	f wata		
4.1	Tilst Ald.	Ingestion:	If ingested, d IMMEDIATEL' unconscious p	Y. If the patie	nt is vom	iting, co	ontinue	to off	er wat	er or n	nilk. N	Never g	give wa	iter or i	milk to a	
			estimate of the swallowed.													
		Eyes:	Splashes are	not likely; howe						h with	copiou	us amo	unts of	lukewa	arm wat	
		Skin:		urs and produ	ct is on th	e skin,	rinse t	horoug	hly wi							
			washing of th physician imm		a with so	ap and	wate	r. If i	ritatio	n, redr	ness o	or swell	ling pe	rsists,	contact	
4.0	Effects of Exposure:	Inhalation:	Remove victin	n to fresh air at	once.											
4.2	Ellects of Exposure.	I INCESTION.	<u>lestion</u> : If product is swallowed, may cause nausea, vomiting and/or diarrhea. <u>Ses:</u> Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and							.1						
		Eyes:	Moderately irr								clude	rednes	s, itchi	ng, irrit	ation ar	
		I 	Moderately irr watering. May be irritati	itating to the e	eyes. Syr	mptoms	of ov	erexpo	sure r	nay ind				•		
		Eyes:	Moderately irr watering.	itating to the e ng to skin. Th e individuals.	eyes. Syr	mptoms	of ov	erexpo	sure r	nay ind				•		
4.3	Symptoms of Overexposure:	Eyes: Skin: Inhalation: Overexposuitching, and	Moderately irr watering. May be irritati some sensitive None expectere in eyes may dirritation of affective.	itating to the end of the second of the seco	eyes. Syr ne produc	nptoms t can ca	of over ause a ering.	erexpo llergic Symp	sure r	may indexaction of skin	overe	y., rash	es, we	include	matitis)	
4.3	Symptoms of Overexposure: Acute Health Effects:	Eyes: Skin: Inhalation: Overexposuritching, and some sensiti	Moderately irr watering. May be irritati some sensitive None expectere in eyes may dirritation of affective individuals.	itating to the end of the second of the seco	eyes. Syr ne produc	nptoms t can ca	of over ause a ering.	erexpo llergic Symp	sure r	may indexaction of skin	overe	y., rash	es, we	include	matitis)	
		Eyes: Skin: Inhalation: Overexposuitching, and some sensiti	Moderately irr watering. May be irritati some sensitive None expectere in eyes may dirritation of affective individuals. tation to eyes.	itating to the e ng to skin. Th e individuals. d. cause redness eted areas. Ti	eyes. Syr ne produc , itching a he produc	mptoms t can ca and wate t can c	ering.	erexpo illergic Symp allergic	skin re	nay ind eaction of skin eaction	overe:	y., rash xposur g., rash	es, we	include	matitis)	
4.4 4.5	Acute Health Effects:	Eyes: Skin: Inhalation: Overexposuitching, and some sensiti	Moderately irr watering. May be irritati some sensitive None expectere in eyes may dirritation of affective individuals.	itating to the e ng to skin. Th e individuals. d. cause redness eted areas. Ti	eyes. Syr ne produc , itching a he produc	mptoms t can ca and wate t can c	ering.	erexpo illergic Symp allergic	skin re	nay ind eaction of skin eaction	overe:	y., rash xposur g., rash	es, we	include	matitis)	
4.4 4.5	Acute Health Effects: Chronic Health Effects:	Eyes: Skin: Inhalation: Overexposuritching, and some sensiti Moderate irri No harmful content of Eyes Pre-existing	Moderately irr watering. May be irritati some sensitive None expectere in eyes may dirritation of affective individuals. tation to eyes. or chronic health dermatitis, other	itating to the earning to skin. The individuals. d. cause redness sted areas. The effects are exert skin conditions.	eyes. Syn ne produce , itching a he produce pected to ons, and	nptoms t can ca	ering. ause a	erexpo	skin re toms c skin re accide	nay independent of skin eaction ntal independent of the skin eaction ntal independent of the skin eaction	overe:	xposuro xposuro g., rash	es, we	include	matitis) rednes matitis)	
4.5 4.6	Acute Health Effects: Chronic Health Effects: Target Organs: Medical Conditions	Eyes: Skin: Inhalation: Overexposuritching, and some sensiti Moderate irri No harmful content of Eyes Pre-existing	Moderately irr watering. May be irritati some sensitive None expectere in eyes may dirritation of affective individuals. tation to eyes.	itating to the earning to skin. The individuals. d. cause redness sted areas. The effects are exert skin conditions.	eyes. Syn ne produce , itching a he produce pected to ons, and	nptoms t can ca	ering. ause a	Sympallergic single	skin restorms considered skin restorms conside	eaction of skin eaction ntal in TH	overeins (e.g	xposurd xposurd y, rash	es, we	include	matitis) rednes matitis)	
4.4 4.5 4.6	Acute Health Effects: Chronic Health Effects: Target Organs: Medical Conditions	Eyes: Skin: Inhalation: Overexposuritching, and some sensiti Moderate irri No harmful content of Eyes Pre-existing	Moderately irr watering. May be irritati some sensitive None expectere in eyes may dirritation of affective individuals. tation to eyes. or chronic health dermatitis, other	itating to the earning to skin. The individuals. d. cause redness sted areas. The effects are exert skin conditions.	eyes. Syn ne produce , itching a he produce pected to ons, and	nptoms t can ca	ering. ause a	Sympallergic single	skin restorms of skin r	eaction of skin eaction ntal in TH	overeins (e.g	xposurd g., rash	es, we	include	rednes matitis)	
4.4 4.5 4.6	Acute Health Effects: Chronic Health Effects: Target Organs: Medical Conditions	Eyes: Skin: Inhalation: Overexposuritching, and some sensiti Moderate irri No harmful content of Eyes Pre-existing	Moderately irr watering. May be irritati some sensitive None expectere in eyes may dirritation of affective individuals. tation to eyes. or chronic health dermatitis, other	itating to the earning to skin. The individuals. d. cause redness sted areas. The effects are exert skin conditions.	eyes. Syn ne produce , itching a he produce pected to ons, and	nptoms t can ca	ering. ause a	Sympallergic single	skin restrictions of skin rest	eaction of skin eaction ntal in IMAB	overeins (e.g	xposurd xposurd y, rash	es, we	include	matitis) e rednes: matitis)	
4.4 4.5 4.6	Acute Health Effects: Chronic Health Effects: Target Organs: Medical Conditions	Eyes: Skin: Inhalation: Overexposuritching, and some sensiti Moderate irri No harmful content of Eyes Pre-existing	Moderately irr watering. May be irritati some sensitive None expectere in eyes may dirritation of affective individuals. tation to eyes. or chronic health dermatitis, other	itating to the earning to skin. The individuals. d. cause redness sted areas. The effects are exert skin conditions.	eyes. Syn ne produce , itching a he produce pected to ons, and	nptoms t can ca	ering. ause a	Sympallergic single	skin restorms of skin r	eaction of skin eaction ntal in IMAB	overeins (e.g	xposurd g., rash	es, we	include	rednes matitis)	
4.4 4.5 4.6	Acute Health Effects: Chronic Health Effects: Target Organs: Medical Conditions	Eyes: Skin: Inhalation: Overexposuritching, and some sensiti Moderate irri No harmful content of Eyes Pre-existing	Moderately irr watering. May be irritating some sensitive None expectere in eyes may dirritation of affective individuals. Itation to eyes. Italian to eyes. It	itating to the earning to skin. The individuals. d. cause redness sted areas. The effects are exert skin conditions.	eyes. Syn ne produce , itching a he produce pected to ons, and ystem).	t can cannot water to can coccur fi	ering. ause a ering ause a rom a	Sympallergic single	skin restrictions of skin rest	eaction of skin eaction ntal in IMAB	overeins (e.g	xposurd g., rash	es, we	include	rednes matitis)	
4.4 4.5 4.6	Acute Health Effects: Chronic Health Effects: Target Organs: Medical Conditions	Eyes: Skin: Inhalation: Overexposuritching, and some sensiti Moderate irri No harmful c Eyes Pre-existing target organs FLAMMABL above 120 °I	Moderately irr watering. May be irritating some sensitive None expectere in eyes may dirritation of affective individuals. Itation to eyes. For chronic health dermatitis, others (eyes, skin, and selection) and the selection of	itating to the end of the individuals. d. cause redness ted areas. Time effects are exert skin conditing drespiratory series. REFIGHT Level 2 Aeroyed containers	itching a he produce pected to ons, and ystem).	t can can dand water can coccur find disorded	ering. ause a ering. ause a ers of	Sympallergic single the sosols resting.	skin restorms of skin r	of skin eaction of ski	overezens (e.g	xposureg., rash	es, we e may es, we	include	rednes matitis)	
4.4 4.5 4.6 4.7	Acute Health Effects: Chronic Health Effects: Target Organs: Medical Conditions Aggravated by Exposure: Fire & Explosion Hazards:	Eyes: Skin: Inhalation: Overexposuritching, and some sensiti Moderate irri No harmful of Eyes Pre-existing target organs FLAMMABL above 120 °I hazards whee	Moderately irr watering. May be irritating some sensitive None expectere in eyes may dirritation of affective individuals. Itation to eyes. In chronic health dermatitis, others (eyes, skin, and sense). 5. FI E AEROSOL. F. Cool uninvolved bursting. If acceptance is consistent of the consistent of	ng to skin. The individuals. d. cause redness ted areas. Ti effects are exers skin conditing drespiratory seriosols are burners serosols are burners individuals.	itching a he produce pected to ons, and ystem).	t can can dand water can coccur find disorded	ering. ause a ering. ause a ers of	Sympallergic single the sosols resting.	skin restorms of skin r	of skin eaction of ski	overezens (e.g	xposureg., rash	es, we e may es, we	include	rednes matitis)	
4.4 4.5 4.6 4.7	Acute Health Effects: Chronic Health Effects: Target Organs: Medical Conditions Aggravated by Exposure:	Eyes: Skin: Inhalation: Overexposuritching, and some sensiti Moderate irri No harmful of Eyes Pre-existing target organs FLAMMABL above 120 °I hazards whee Water Fog, I As in any demand) an spray to coo water direct control or di	Moderately irr watering. May be irritating some sensitive None expectere in eyes may dirritation of affective individuals. Itation to eyes. For chronic health dermatitis, others (eyes, skin, and selection) and the selection of	ng to skin. The individuals. d. cause redness sted areas. The effects are exert skin condition of respiratory step in the individuals. The effects are exert skin condition of respiratory step in the individual step in the individ	pected to ons, and system). TING N sol (NFP) to preversting, started protect cause of drains, dr	nptoms t can ca and water t can c occur fi disorde A 30B) ht possil y clear u person danger inking v	ering. ause a ering. ause a rom a a ers of BURI Aero ble bur until bur ained ntil we nal. Fi of bo water s	Sympallergic single the the breathell after gight firil over supply	skin restorms of skin r	of skin eaction of skin each each each each each each each each	overeins (e.g. gestion HAZ VE ECSKIN temperatus (product. Usawoid sanoff fural wa	xposuro, rash n. ARDS QUIPM erature projectil ressure se wate sprayin rom fir aterway	es, we e may es, we MENT es le g- er g e /	include	rednes matitis)	



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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 1.0 SDS Revision Date: 7/9/2020

6.1		6. ACCIDEN	TAL R	ELE A	SE ME	ASUF	RES								
0.1	Spills:	Before cleaning any spill or lea Equipment (PPE).	k, individ	uals inv	olved in s	spill clea	nup must	·							
		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 a	and wasl	n thorough	ly before	reuse.			•					
		For <u>large spills</u> (e.g., ≥ 1 gallon													
		material (e.g., sand or earth). Us recovery or disposal and solid dik													
		promptly and wash affected skin													
		and open bodies of water.													
		7. HANDLING	& STC	ORAG	E INFO	ORMA	TION								
7.1	Work & Hygiene Practices:	Do not eat, drink, or smoke while h													
7.2	Storage & Handling:	Use and store in a cool, dry, well heat and open flames.	l-ventilate	d location	on (e.g., lo	cal exhai	ust ventila	tion, fans). Keep	away f	rom excessive				
7.3	Special Precautions:	Spilled material may present a slip	ping haza	ard if left	unattende	d. Clean	all spills p	oromptly.							
		8. EXPOSURE CONT	ROLS	& PE	RSON	AL PF	ROTEC	TION							
8.1	Exposure Limits:		ACC	SIH		NOHSC			OSHA	1	OTHER				
	ppm (mg/m³)	CHEMICAL NAME(S)	TLV	STEL	ES-TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH					
		ETHANOL	1000	3000	1000	1800	NF	1000	1900	3300					
		DIFLUOROETHANE (R-152a)	1000	NA	1000	NF	NF	NA	NA	NA					
8.2	Ventilation & Engineering Controls:	General mechanical (e.g., fans) exhaust ventilation to effectively product. Ensure that an eyewash	remove a	and prev	vent buildu	ip of vap	ors or mi	st genera	ated fron	n the h					
8.3	Respiratory Protection:	No special respiratory protection													
		necessary, use only respiratory													
		§1910.134, or applicable U.S. sta	te regulat	tions, or	the appro	priate sta	indards of	Canada,	its prov	inces,					
8.4	Eye Protection:	E.C. member states, or Australia. Avoid eye contact. Protective ey	011005 501		dad Mag	r protoct		05/08	oofoty al						
0.4	Eye Flotection.														
							with side-shield) at all times when handling large quantities (of this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb								
		and concentrate irritants.				a opeoid	i ilazaiu,	SOIL ICIISC							
		None required under normal conditions of use. However, may cause skin irritation in some sensitive													
8.5	Hand Protection:	None required under normal con			owever, m	ay cause	skin irrita	ation in s	ome ser	nsitive					
8.5	Hand Protection:	None required under normal con individuals. If anticipated that pro	olonged &	repeate	owever, m	ay cause	skin irrita occur dur	ation in s	ome ser	nsitive oduct,					
8.5	Hand Protection:	None required under normal con individuals. If anticipated that prower latex or rubber gloves for	olonged & routine in	repeatendustrial	owever, med skin con	ay cause ntact will necessar	e skin irrita occur dur ry, refer to	ation in s	ome ser	nsitive oduct,					
8.5	Hand Protection: Body Protection:	None required under normal con individuals. If anticipated that prower latex or rubber gloves for §1910.138, the appropriate standard No special body protection is required.	olonged & routine in ards of Ca uired und	repeate ndustrial inada, of er typica	owever, med skin con use. If the E.C. ral circumst	ay cause ntact will necessar nember s	e skin irrita occur dur y, refer to states. use and	ation in sing use on U.S. O	ome ser of this pro	nsitive oduct, CFR					
		None required under normal con individuals. If anticipated that prower latex or rubber gloves for §1910.138, the appropriate standard	olonged & routine in ards of Ca uired und	repeate ndustrial inada, of er typica	owever, med skin con use. If the E.C. ral circumst	ay cause ntact will necessar nember s	e skin irrita occur dur y, refer to states. use and	ation in sing use on U.S. O	ome ser of this pro	nsitive oduct, CFR	•				
8.6	Body Protection:	None required under normal con individuals. If anticipated that prowear latex or rubber gloves for §1910.138, the appropriate standal No special body protection is requirefer to appropriate standards of C	olonged & routine in ards of Ca uired und Canada, th	repeate ndustrial nada, of er typica ne E.C. r	owever, med skin con use. If the E.C. ral circumst	ay cause ntact will necessar nember s ances of ates, or U	e skin irrita occur dur y, refer to states. use and l I.S. OSHA	ation in sing use on U.S. O	ome ser of this pro	nsitive oduct, CFR	()				
9.1	Body Protection: Appearance:	None required under normal con individuals. If anticipated that prower latex or rubber gloves for §1910.138, the appropriate standards of Conservation of Conservation is required to appropriate standards of Conservation Conservation of Co	olonged & routine in ards of Ca uired und Canada, th	repeate ndustrial nada, of er typica ne E.C. r	owever, med skin con use. If the E.C. ral circumst	ay cause ntact will necessar nember s ances of ates, or U	e skin irrita occur dur y, refer to states. use and l I.S. OSHA	ation in sing use on U.S. O	ome ser of this pro	nsitive oduct, CFR	()				
9.1 9.2	Body Protection: Appearance: Odor:	None required under normal con individuals. If anticipated that prower latex or rubber gloves for §1910.138, the appropriate standards No special body protection is requirefer to appropriate standards of Control of the Physical Aerosol. Clear liquid Mild odor	olonged & routine in ards of Ca uired und Canada, th	repeate ndustrial nada, of er typica ne E.C. r	owever, med skin con use. If the E.C. ral circumst	ay cause ntact will necessar nember s ances of ates, or U	e skin irrita occur dur y, refer to states. use and l I.S. OSHA	ation in sing use on U.S. O	ome ser of this pro	nsitive oduct, CFR	()				
9.1 9.2 9.3	Body Protection: Appearance: Odor: Odor Threshold:	None required under normal con individuals. If anticipated that prower latex or rubber gloves for §1910.138, the appropriate standards No special body protection is requirefer to appropriate standards of Control of the Physical Aerosol. Clear liquid Mild odor NA	olonged & routine in ards of Ca uired und Canada, th	repeate ndustrial nada, of er typica ne E.C. r	owever, med skin con use. If the E.C. ral circumst	ay cause ntact will necessar nember s ances of ates, or U	e skin irrita occur dur y, refer to states. use and l I.S. OSHA	ation in sing use on U.S. O	ome ser of this pro	nsitive oduct, CFR					
9.1 9.2 9.3 9.4	Body Protection: Appearance: Odor: Odor Threshold: pH:	None required under normal con individuals. If anticipated that prower latex or rubber gloves for §1910.138, the appropriate standards of Conservation is required to appropriate standards of Conservation is required to appropriate standards of Conservation is required to appropriate standards of Conservation in the Conservation is required to appropriate standards of Conservation in the Conservation in	olonged & routine in ards of Ca uired und Canada, th	repeate ndustrial nada, of er typica ne E.C. r	owever, med skin con use. If the E.C. ral circumst	ay cause ntact will necessar nember s ances of ates, or U	e skin irrita occur dur y, refer to states. use and l I.S. OSHA	ation in sing use on U.S. O	ome ser of this pro	nsitive oduct, CFR					
9.1 9.2 9.3 9.4 9.5	Appearance: Odor: Odor Threshold: pH: Melting Point/Freezing Point:	None required under normal con individuals. If anticipated that prowear latex or rubber gloves for §1910.138, the appropriate standards of Conservation is required to appropriate standards of Conservation in the conservation is required to appropriate standards of Conservation in the conservation in the conservation in the conservation is required to appropriate standards of Conservation in the conservat	olonged & routine in ards of Ca uired und Canada, th	repeate ndustrial nada, of er typica ne E.C. r	owever, med skin con use. If the E.C. ral circumst	ay cause ntact will necessar nember s ances of ates, or U	e skin irrita occur dur y, refer to states. use and l I.S. OSHA	ation in sing use on U.S. O	ome ser of this pro	nsitive oduct, CFR					
9.1 9.2 9.3 9.4	Body Protection: Appearance: Odor: Odor Threshold: pH:	None required under normal con individuals. If anticipated that prower latex or rubber gloves for §1910.138, the appropriate standards of Conservation is required to appropriate standards of Conservation is required to appropriate standards of Conservation is required to appropriate standards of Conservation in the Conservation is required to appropriate standards of Conservation in the Conservation in	olonged & routine in ards of Ca uired und Canada, th	repeate ndustrial nada, of er typica ne E.C. r	owever, med skin con use. If the E.C. ral circumst	ay cause ntact will necessar nember s ances of ates, or U	e skin irrita occur dur y, refer to states. use and l I.S. OSHA	ation in sing use on U.S. O	ome ser of this pro	nsitive oduct, CFR					
9.1 9.2 9.3 9.4 9.5 9.6	Body Protection: Appearance: Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling	None required under normal con individuals. If anticipated that prowear latex or rubber gloves for §1910.138, the appropriate standards of Conservation is required to appropriate standards of Conservation in the conservation is required to appropriate standards of Conservation in the conservation in the conservation in the conservation is required to appropriate standards of Conservation in the conservat	olonged & routine in ards of Ca uired und Canada, th	repeate ndustrial nada, of er typica ne E.C. r	owever, med skin con use. If the E.C. ral circumst	ay cause ntact will necessar nember s ances of ates, or U	e skin irrita occur dur y, refer to states. use and l I.S. OSHA	ation in sing use on U.S. O	ome ser of this pro	nsitive oduct, CFR					
9.1 9.2 9.3 9.4 9.5	Body Protection: Appearance: Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability	None required under normal con individuals. If anticipated that prowear latex or rubber gloves for §1910.138, the appropriate standard No special body protection is requirefer to appropriate standards of Control of the standar	olonged & routine in ards of Ca uired und Canada, th	repeate ndustrial nada, of er typica ne E.C. r	owever, med skin con use. If the E.C. ral circumst	ay cause ntact will necessar nember s ances of ates, or U	e skin irrita occur dur y, refer to states. use and l I.S. OSHA	ation in sing use on U.S. O	ome ser of this pro	nsitive oduct, CFR					
9.1 9.2 9.3 9.4 9.5 9.6 9.7	Body Protection: Appearance: Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint:	None required under normal con individuals. If anticipated that prower latex or rubber gloves for §1910.138, the appropriate standards of Conservation is required to appropriate standards of Conservation in the conservation is required to appropriate standards of Conservation in the conservation is required to appropriate standards of Conservation in the conservati	olonged & routine in ards of Ca uired und Canada, th	repeate ndustrial nada, of er typica ne E.C. r	owever, med skin con use. If the E.C. ral circumst	ay cause ntact will necessar nember s ances of ates, or U	e skin irrita occur dur y, refer to states. use and l I.S. OSHA	ation in sing use on U.S. O	ome ser of this pro	nsitive oduct, CFR					
9.1 9.2 9.3 9.4 9.5 9.6 9.7	Body Protection: Appearance: Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits:	None required under normal con individuals. If anticipated that prowear latex or rubber gloves for §1910.138, the appropriate standard No special body protection is requefer to appropriate standards of Control of the standards	olonged & routine in ards of Ca uired und Canada, th	repeate ndustrial nada, of er typica ne E.C. r	owever, med skin con use. If the E.C. ral circumst	ay cause ntact will necessar nember s ances of ates, or U	e skin irrita occur dur y, refer to states. use and l I.S. OSHA	ation in sing use on U.S. O	ome ser of this pro	nsitive oduct, CFR					
9.1 9.2 9.3 9.4 9.5 9.6 9.7 9.8	Appearance: Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure:	None required under normal con individuals. If anticipated that prowear latex or rubber gloves for §1910.138, the appropriate standards of Conservation is required to appropriate standards of Conservation in the conservation is required to appropriate standards of Conservation in the conservation is required to appropriate standards of Conservation in the conservation is required to appropriate standards of Conservation in the conservation is required to appropriate standards of Conservation in the conservation in the conservation is required to appropriate standards of Conservation in the conservation is required to appropriate standards of Conservation in the conservation is required to appropriate standards of Conservation in the conservation is required to appropriate standards of Conservation in the conservation is required to appropriate standards of Conservation in the conservation is required to appropriate standards of Conservation in the conservation is required to appropriate standards of Conservation in the conservation is required to appropriate standards of Conservation in the conservation is required to appropriate standards of Conservation in the conservation is required to appropriate standards of Conservation in the conservation is required to appropriate standards of Conservation in the conservation is required to appropriate standards of Conservation in the conservation is required to appropriate standards of Conservation in the conservation is required to appropriate standards of Conservation in the conservation is required to appropriate standards of Conservation in the conservation is required to appropriate standard in the conservation is required to appropriate stan	olonged & routine in ards of Ca uired und Canada, th	repeate ndustrial nada, of er typica ne E.C. r	owever, med skin con use. If the E.C. ral circumst	ay cause ntact will necessar nember s ances of ates, or U	e skin irrita occur dur y, refer to states. use and l I.S. OSHA	ation in sing use on U.S. O	ome ser of this pro	nsitive oduct, CFR					
9.1 9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9	Body Protection: Appearance: Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure: Vapor Density:	None required under normal con individuals. If anticipated that prowear latex or rubber gloves for §1910.138, the appropriate standards of Conservation is required to appropriate standards of Conservation in the conservation is required to appropriate standards of Conservation in the conservation is required to appropriate standards of Conservation in the conservat	olonged & routine in ards of Ca uired und Canada, th	repeate ndustrial nada, of er typica ne E.C. r	owever, med skin con use. If the E.C. ral circumst	ay cause ntact will necessar nember s ances of ates, or U	e skin irrita occur dur y, refer to states. use and l I.S. OSHA	ation in sing use on U.S. O	ome ser of this pro	nsitive oduct, CFR					
9.1 9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9 9.10	Body Protection: Appearance: Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure: Vapor Density: Relative Density:	None required under normal con individuals. If anticipated that prowear latex or rubber gloves for §1910.138, the appropriate standards of Consequence of the standards of Consequence of Consequence of Consequence of Consequence of Consequence of Conseque	olonged & routine in ards of Ca uired und Canada, th	repeate ndustrial nada, of er typica ne E.C. r	owever, med skin con use. If the E.C. ral circumst	ay cause ntact will necessar nember s ances of ates, or U	e skin irrita occur dur y, refer to states. use and l I.S. OSHA	ation in sing use on U.S. O	ome ser of this pro	nsitive oduct, CFR					
9.1 9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9 9.10 9.11	Body Protection: Appearance: Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure: Vapor Density: Relative Density: Solubility:	None required under normal con individuals. If anticipated that prower latex or rubber gloves for §1910.138, the appropriate standards of Consequence of the standards of Consequence of Consequence of Consequence of Consequence of Consequence of Consequen	olonged & routine in ards of Ca uired und Canada, th	repeate ndustrial nada, of er typica ne E.C. r	owever, med skin con use. If the E.C. ral circumst	ay cause ntact will necessar nember s ances of ates, or U	e skin irrita occur dur y, refer to states. use and l I.S. OSHA	ation in sing use on U.S. O	ome ser of this pro	nsitive oduct, CFR					
9.1 9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9 9.10 9.11 9.12 9.13	Body Protection: Appearance: Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure: Vapor Density: Relative Density: Solubility: Partition Coefficient (log Pow):	None required under normal con individuals. If anticipated that prower latex or rubber gloves for §1910.138, the appropriate standards of Construction is required to appropriate standards of Construction is required to appropriate standards of Construction is required to appropriate standards of Construction is required. 9. PHYSICAL Aerosol. Clear liquid Mild odor NA 8.5 ± 0.5 NA NA 10 °C (50 °F) NA 55 ± 5 psig (@ 70 °F) NA 0.816 ± 0.012 (6.80 ± 0.10 lb/gal) Insoluble NA	olonged & routine in ards of Ca uired und Canada, th	repeate ndustrial nada, of er typica ne E.C. r	owever, med skin con use. If the E.C. ral circumst	ay cause ntact will necessar nember s ances of ates, or U	e skin irrita occur dur y, refer to states. use and l I.S. OSHA	ation in sing use on U.S. O	ome ser of this pro	nsitive oduct, CFR					
9.1 9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9 9.10 9.11 9.12 9.13 9.14	Appearance: Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: Flashpoint: Upper/Lower Flammability Limits: Vapor Pressure: Vapor Density: Relative Density: Solubility: Partition Coefficient (log Pow): Autoignition Temperature:	None required under normal con individuals. If anticipated that prower latex or rubber gloves for §1910.138, the appropriate standards of Construction is required to appropriate standards of Construction is required. 9. PHYSICAL Aerosol. Clear liquid Mild odor NA 8.5 ± 0.5 NA NA 10 °C (50 °F) NA 55 ± 5 psig (@ 70 °F) NA 0.816 ± 0.012 (6.80 ± 0.10 lb/gal) Insoluble NA NA	olonged & routine in ards of Ca uired und Canada, th	repeate ndustrial nada, of er typica ne E.C. r	owever, med skin con use. If the E.C. ral circumst	ay cause ntact will necessar nember s ances of ates, or U	e skin irrita occur dur y, refer to states. use and l I.S. OSHA	ation in sing use on U.S. O	ome ser of this pro	nsitive oduct, CFR					



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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision Date: 7/9/2020 SDS Revision: 1.0 10. STABILITY & REACTIVITY Stability 10 1 This product is stable. 10.2 Hazardous Decomposition Oxides of carbon (CO, CO₂) and sulfur (SO₂). 10.3 Hazardous Polymerization: Will not occur. 10.4 Conditions to Avoid Open flames, sparks and high heat. Incompatible Substances: 10.5 None known. TOXICOLOGICAL INFORMATION 11.1 Routes of Entry: Inhalation: YES Absorption: YES Ingestion: 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, but is not presented in this document. Acute Toxicity: 11.3 See Section 4.4 Chronic Toxicity: 11.4 See Section 4.5 Suspected Carcinogen: 11.5 No 11.6 Reproductive Toxicity: This product is not reported to produce reproductive toxicity in humans. Mutagenicity: This product is not reported to produce mutagenic effects in humans. Embryotoxicity This product is not reported to produce embryotoxic effects in humans. Teratogenicity: This product is not reported to cause teratogenic effects in humans. Reproductive Toxicity: This product is not reported to cause reproductive effects in humans. 11.7 Irritancy of Product: See Section 4.2 11.8 Biological Exposure Indices: ΝE 11.9 Physician Recommendations: Treat symptomatically. 12. ECOLOGICAL INFORMATION 12.1 Environmental Stability: There are no specific data available for this product. Effects on Plants & Animals: There are no specific data available for this product 12.2 Effects on Aquatic Life There are no specific data available for this product 12.3 13. DISPOSAL CONSIDERATIONS 13.1 Waste Disposal: Waste disposal must be in accordance with appropriate Federal, state, and local regulations. 13.2 Special Considerations: U.S. EPA Waste Number: D001 (characteristic - ignitable). 14. TRANSPORTATION INFORMATION The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR 49 CFR (GND): CONSUMER COMMODITY, ORM-D (IP VOL ≤ 1.0 L) - until 12/31/20 UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1.0 L) 14.2 IATA (AIR): CONSUMER COMMODITY, 9, ID8000 (IP VOL ≤ 0.5 L) Æħ, UN1950, AEROSOLS, FLAMMABLE, 2.1 (LTD QTY, IP VOL ≤ 0.5 L) 14.3 IMDG (OCN): UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1.0 L) 14.4 TDGR (Canadian GND): MARK PACKAGE ("LIMITED QUANTITY" or "QUANTITÉ LIMITÉE" or "LTD QTY" or "QUANT LTÉE" (IP VOL ≤ 1.0 L) or UN1950, AEROSOLS, FLAMMABLE, 2.1 (LTD QTY, IP VOL ≤ 1.0 L) ADR/RID (EU): 14.5 UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1.0 L) SCT (MEXICO): 14.6 UN1950, AEROSOLES, 2.1 (CANT. LTDA., IP VOL ≤ 1.0 L) ADGR (AUS): 14.7 UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1.0 L) 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 TPQ: 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. CERCLA Reportable Quantity: 15.4 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) This material does not contain any hazardous air pollutants. None of the components in this product are listed as priority pollutants under the CWA. None of the components in this product are listed as toxic pollutants under the



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		15. REGULATORY INFO	RMATION – cont'd
15.6	Other Canadian Regulations:	contains all of the information required by the C	the hazard criteria of the CPR and the MSDS CPR. The components of this product are listed on product are listed on the Priorities Substances List.
15.7	State Regulatory Information:	Substances List (MA), Minnesota Hazardous St Right-to-Know List (PA), California Proposition 6 Exposures List (WA). Difluoroethane can be found on the following sta No other ingredients in this product, present in state criteria lists: California Proposition 65 Substances List (FL), Massachusetts Hazard Minnesota Hazardous Substances List (MN), N List (NY), Pennsylvania Right-to-Know List (PA	a concentration of 1.0% or greater, are listed on any of the following (CA65), Delaware Air Quality Management List (DE), Florida Toxic lous Substances List (MA), Michigan Critical Substances List (MI), lew Jersey Right-to-Know List (NJ), New York Hazardous Substances), Washington Permissible Exposures List (WA), Wisconsin Hazardous ntain any chemicals known to the State of California to cause cancer or
15.8	Other Requirements:	This product is found on the following inventory Japan – ENCS; Korea – KECI; New Zealand – I	lists: Australia - AICS, China – IECSC, Europe – ELINCS/EINEC, NZIoC; {Philippines – PICCS; USA – TSCA
		46 ATHER DE	ODMATION.
		16. OTHER INFO	ORMATION
16.1	Other Information:	IRRITATION. Use only as directed. Discontinue open flames and other ignition sources. No smok or burn, even after use. Avoid breathing fume/g and warm thoroughly after handling. IF IN EYE lenses, if present and easy to do. Continue rinsing	surized container: May Burst IF Heated. Causes Eye as use if irritation develops. Keep away from heat, hot surfaces, sparks, sing. Do not spray on open flame or other ignition source. Do not pierce las/mist/vapors/spray. Wash hands and exposed skin areas with soap ES: Rinse cautiously with water for several minutes. Remove contacting. If eye irritation persists get medical advice/attention. Store in a well-ht. Do not expose to temperatures exceeding 50 °C (122 °F) KEEP
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.	
16.3	Disclaimer:	government regulations must be reviewed for ap of CA's knowledge, the information contained suitability or completeness is not guaranteed and PROVIDED INCLUDING THE WARRANTIES OF The information contained herein relates only materials, all component properties must be conslatest edition.	OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other plicability to this product. To the best of ShipMate's & Shield Packaging herein is reliable and accurate as of this date; however, accuracy, d NO WARRANTIES OF ANY TYPE, EXPRESSED OR IMPLIED, ARE MERCHANTIBILITY AND FITNESS FOR A PARTICULAR PURPOSE. to the specific product(s). If this product(s) is combined with other sidered. Data may be changed from time to time. Be sure to consult the
16.4	Prepared for: Prepared by:	Shield Packaging of CA, Inc. 5165 "G" Street Chino CA 91710 USA Tel: +1 (909) 628-4707 Fax: +1 (909) 591-8916 http://www.shieldpackaging.com 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, GHS & 1272/2008/EC Standards

SDS Revision: 1.0

SDS Revision Date: 7/9/2020

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

FIRST AID MEASURES:

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

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

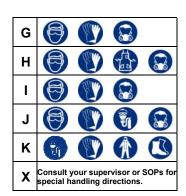
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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



PERSONAL PROTECTION RATINGS:

Α			
В			
С		型	
D		型	
Ε			
F		The state of the s	





OTHER STANDARD ABBREVIATIONS:

_	
Carc	Carcinogenic
Irrit	Irritant
NA	Not Available
NR	No Results
ND	Not Determined
NE	Not Established
NF	Not Found
SCBA	Self-Contained Breathing Apparatus
Sens	Sensitization
STOT RE	Specific Target Organ Toxicity – Repeat Exposure
STOT SE	Specific Target Organ Toxicity – Single Exposure

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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

HAZARD RATINGS:

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

TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals			
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal			
ppm Concentration expressed in parts of material per million parts				
TD _{lo} Lowest dose to cause a symptom				
TCLo				
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			
TL _m	Median threshold limit			
log K _{ow} or log K _{oc}	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	(Θ	(18)		
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:

	③		\Diamond			\Leftrightarrow		*
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment