

Page 1 of 7 **SW-1237-Z**

	ared to OSHA, ACC	C, ANSI, N	IOHSC, WHMIS, 2	2001/58 & 1272/	2008/EC Standar	ds		SDS Revis	sion: 1.0		SDS F	Revisio	n Date:	5/5/2015
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			1	PRODUC	T & COM	ΡΔΝΥ		ITIFIC	ΔΤΙΟ	N				
1.1	Product Name:				DESIGN I									
1.2	Chemical Name:		Aerosol		DEGIGINI		0/0	100						
1.3	Synonyms:		SW-1237-Z											
1.4	Trade Names:			Design Foam	6% VOC									
1.5	Product Uses & Res	strictions:	Aerosol Hair I	<u> </u>	0/0100									
1.6	Distributor's Name:			ging of CA, Inc										
1.7	Distributor's Addres	s:		et, Chino CA 9										
1.8	Emergency Phone:) 527-3887 /	+1 (800	1 424.	9300 (CCN 20)108)				
1.9	Business Phone / F	эх:		4707 / +1 (909		11 (000	7	5000 (,,,,,,				
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2.1	Hazard Identification				AZARDS as a HAZAR						0110			
			WARNING! CAUSES EYI Classification Hazard State H320 – Cause Precautionary and other igr source. P2 fume/gas/mis thoroughly af	FLAMMABL E IRRITATION : Aerosol 2; S ments (H): H2 es eye irritation / Statements ition sources. 251 – Do n t/vapors/spray	kin Sens. 1B; E 23 – Flammab	MAY Eye Irrit. 2; Ie aerosol eep away P211 – burn, ev h hands a	CAUSE . H317 from he Do not ven aft and exp	AN AL - May ca eat, hot s spray on er use. bosed skir thing shou	LERGIC uuse an a urfaces, open fla P261 a areas	SKIN allergic sparks ame or – Av with sc	skin r s, open other oid bi opp an	reactio flame ignitic reathir id war	n. es on ng m	
			warm water a P305+P351+I lenses, if pre medical advic P370+P378 - extinguish. P sunlight. Do	and soap. P33 P338 – IF IN E sent and easy ce/attention. F - In case of f 2403+P235 – S o not expose	rotective gloves 3+P313 – If sk 2YES: Rinse ca 7 to do. Contil 2362+P364 – T fire: Use Wate Store in a well-v to temperatur used treatment,	tin irritation nutiously winue rinsing ake off co r, Foam, ventilated res excee	n or ras ith wate g. P33 ntamina CO ₂ , D place. ding 5	th occurs: er for seve 37+P313 - ated clothi Ory Chemi Keep coo 0 °C (12)	Get med ral minut - If eye ing and v cal, Hald I. P410- 2 °F).	IN: Wa lical ac tes. Re irritatic wash it on (if a P412	ash wit dvice/a emove on pers before authori – Prote	h plen ttentio conta sists g e reus zed), ect fro	ty n. ct et e. to m	(!)
			warm water a P305+P351+I lenses, if pre medical advic P370+P378 - extinguish. P sunlight. Do contents/cont	Ind soap. P33 P338 – IF IN E sent and easy ce/attention. F - In case of f 2403+P235 – S o not expose ainer to a licer	3+P313 – If sk YES: Rinse ca / to do. Contii 2362+P364 – T fire: Use Wate Store in a well-v to temperatur ised treatment,	in irritatior nutiously winue rinsing ake off co r, Foam, ventilated storage of storage of	n or ras ith wate g. P33 ntamina CO ₂ , D place. ding 50 r dispos	h occurs: er for seve 37+P313 - ated cloth ory Chemi Keep coo 0 °C (12: sal facility	Get mec ral minut - If eye ing and v cal, Halo I. P410+ 2 °F). (TSDF).	IN: Wa dical ac irritatic wash it P412 P501	ash wit dvice/a emove on pers before authori – Prote	h plen ttentio conta sists g e reus zed), ect fro	ty n. ct et e. to m	(!)
			warm water a P305+P351+I lenses, if pre medical advic P370+P378 - extinguish. P sunlight. Do contents/cont	Ind soap. P33 P338 – IF IN E sent and easy ce/attention. F - In case of f 2403+P235 – S o not expose ainer to a licer	3+P313 – If sk YES: Rinse ca / to do. Conti 2362+P364 – T fire: Use Wate Store in a well-v to temperatur	in irritatior nutiously winue rinsing ake off co r, Foam, ventilated storage of storage of	n or ras ith wate g. P33 ntamina CO ₂ , D place. ding 50 r dispos	h occurs: er for seve 37+P313 - ated cloth ory Chemi Keep coo 0 °C (12: sal facility	Get mec ral minut - If eye ing and v cal, Hald I. P410- 2 °F). (TSDF). (TSDF). CMAT	IN: Wa dical ac tes. R irritatic wash if on (if a P412 P501 ION SURE L	ash wit dvice/a emove on pers before authori – Prote	h plen ttentio conta sists g e reus zed), ect fro pose	ty n. ct et e. to m of	(!)
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	ICAL NAME(S)		warm water a P305+P351+ lenses, if pre medical advic P370+P378 - extinguish. P sunlight. Do contents/cont 3. CO CAS No. 7732-18-5	Ind soap. P33 P338 – IF IN E sent and easy pe/attention. F - In case of f 403+P235 – 5 o not expose ainer to a licer DMPOSIT COMPOSIT RTECS No. ZC0110000	33+P313 – If sk EYES: Rinse ca 7 to do. Contil P362+P364 – T Fire: Use Wate Store in a well-v to temperatur ised treatment, TON & IN(EINECS No. 231-791-2	in irritatior iutiously winue rinsing ake off co r, Foam, ventilated pres excee storage of GREDI % 60-100	n or ras ith wate g. P33 ntamin CO ₂ , D place. ding 50 r dispose ENT ACC PP TLV NA	h occurs: er for seve 37+P313 - ated cloth Dry Chemi Keep coo 0 °C (12: sal facility INFOF BIH m STEL ES STEL TW NA NF	Get mec ral minur - If eye ing and v cal, Hald I. P410-1 2 °F). (TSDF). (TSDF). XMAT EXPO NOHSC PPM - ES- A STEL - NF	IN: Wa dical ac tes. R irritatic wash it on (if a P412 P501 ION SURE L ES- PEAK NF	Ash wit dvice/a emove on pers before authori: - Prote - Dis MITS IN PEL NA	h plen ttentio conta sists g e reus zed), ect fro pose AIR (m oSHA ppm STEL NA	ty n. ct et e. to m of g/m ³)	OTHER
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iqua Poly Prva	A (WATER/EAU) QUATERNIUM-11 A COPOLYMER		warm water a P305+P351+I lenses, if pre medical advic P370+P378 - extinguish. P sunlight. Dc contents/cont 3. CC CAS No. 7732-18-5 53633-54-8 25086-89-9 74-98-6	IND SOAP. P33 P338 – IF IN E sent and easy pe/attention. F - In case of f 2403+P235 – S o not expose ainer to a licer DMPOSIT DMPOSIT RTECS No. ZCO110000 NA NA	33+P313 – If sk EYES: Rinse ca / to do. Conti P362+P364 – T irre: Use Wate Store in a well-v to temperatur ised treatment, TON & INC EINECS No. 231-791-2 NA NA 200-827-9	in irritatior iutiously winue rinsing ake off co r, Foam, ventilated storage of GREDI 60-100 7-13	n or ras ith wate g. P33 ntamin CO ₂ , D place. ding 50 r dispose ENT Acco PP TLV NA	h occurs: er for seve 37+P313 - ated cloth bry Chemi Keep coo 0 °C (12: sal facility INFOF BIH m ESTEL TW NA NF	Get mec ral minur - If eye ing and v cal, Hald I. P410-1 2 °F). (TSDF). (TSDF). (TSDF). (TSDF). CMAT EXPO NOHSC PPM - S- A STEL : NF	IN: Wa dical ac tes. Ri irritatic wash if on (if a +P412 P501 ION SURE LI ES- PEAK NF	Ash wit dvice/a emove on pers before authori: - Prote - Dis MITS IN PEL NA	h plen ttentio conta sists g e reus zed), ect fro pose AIR (m OSHA ppm STEL NA	ty n. ct et e. to m of g/m ³)	OTHER
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Page 2 of 7 **SW-1237-Z**

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

SDS Revision: 1.0 SDS

SDS Revision Date: 5/5/2015

						EXPOSURE L			IMITS IN AIR (mg/m ³)					
						AC	GIH		NOHSC			OSHA	j /	
						p	om		ppm			ppm		The second secon
СНЕМ	ICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES- TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH	OTHER
PEG/I	PPG-18/18 DIMETHICONE	68037-64-9	NA	NA	0.0-1.0	NA	NA	NF	NF	NF	NA	NA	NA	
POLY	SORBATE 20	9005-64-5	NA	NA	0.0-1.0	NA	NA	NF	NF	NF	NA	NA	NA	
RAG	RANCE (PARFUM)	NA	NA	NA	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA	
IMO	NENE	5989-27-5	GW6360000	227-813-5	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN
HEXY	L CINNAMAL	101-86-0	GD6560000	202-983-3	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN
INAL	.00L	78-70-6	B, Aquatic Chroni NA	201-134-4	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN
	NIOL	106-24-1	RG5830000	203-377-1	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN
			kin Sens. 1, Eye					1			r	1		1
CETR	IMONIUM BROMIDE	57-09-0	NA	200-311-3	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA	
	ROSPERMUM PARKII A BUTTER)	41035-07-8 Eye Irrit. 2; H	NA 319	NA	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA	
SODI	UM PCA	28874-51-3	NA	NA	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA	
COCł	MIDOPROPYL BETAINE	61789-40-0 Skin Irrit 2 F	UZ2997050 ye Irrit. 2; H315,	263-058-8 H319	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA	
	LHEXYL IOXYCINNAMATE	5466-77-3	NA	226-775-7	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN
	LENE GLYCOL	107-41-5	SA0810000	203-489-0	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA	
KERA	TIN AMINO ACIDS	NA	NA	NA	0-0.1	NA	NA	NF	NF	NF	NA	NA	NA	
			4.	FIRST AI	D MEA	SU	RES							
4.1	First Aid:	Ingestion:		FIRST AI				has t	been s	wallov	ved, d	lrink p	lenty (of water or mi
4.1	First Aid:	Ingestion:	If ingested, c	lo not induce	vomiting.	lf pi	oduct							of water or mil ater or milk to a
4.1	First Aid:	Ingestion:	If ingested, c IMMEDIATEL	lo not induce Y. If the patie	vomiting. nt is vomi	If pr ting, co	oduct	to off	er wate	er or n	nilk. N	lever g	jive wa	ater or milk to a
4.1	First Aid:	Ingestion:	If ingested, of IMMEDIATEL unconscious p	lo not induce Y. If the patie person. Conta	vomiting. nt is vomit ct the nea	If pr ting, co rest Po	roduct ontinue oison C	to off Control	er wate Cente	er or n r or lo	nilk. N cal em	lever g nergen	give wa	ater or milk to a nber. Provide a
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4.1	First Aid:		If ingested, of IMMEDIATEL unconscious p estimate of th swallowed.	to not induce Y. If the patie person. Conta- ne time at wh	vomiting. nt is vomit ct the nea ich the m	lf pr ting, co rest Po aterial	roduct ontinue oison C was i	to off Control	er wate Cente ed and	er or n r or lo the a	nilk. N cal em amoun	lever g nergend it of th	give wa cy nun ne sub	ater or milk to a nber. Provide a stance that wa
4.1	First Aid:	Ingestion: Eyes:	If ingested, of IMMEDIATEL unconscious p estimate of th swallowed. Splashes are	to not induce Y. If the patie person. Conta- ne time at wh not likely; how	vomiting. nt is vomit ct the nea ich the m vever, if p	If pr ting, co rest Po aterial product	roduct ontinue oison C was i : gets	to off Control Ingeste	er wate Cente ed and eyes,	er or n r or lo the a	nilk. N cal em amoun	lever g nergend it of th	give wa cy nun ne sub	ater or milk to a nber. Provide a
4.1	First Aid:	Eyes:	If ingested, of IMMEDIATEL unconscious p estimate of th swallowed. Splashes are water for at le	to not induce Y. If the patie person. Conta- ne time at wh not likely; how ast 15 minutes	vomiting. nt is vomit ct the nea ich the m vever, if p . If irritatio	If pr ting, co rest Po aterial product	roduct ontinue oison C was i : gets urs, coi	to off control ingeste in the ntact a	er wate Cente ed and eyes, physic	er or n r or lo l the a flush cian.	nilk. N cal em amoun with c	Vever genergene nergene nt of the opious	give wa cy nun ne sub amou	ater or milk to a ober. Provide a stance that wa onts of lukewarr
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Fire & Explosion Hazards:

5.1

SAFETY DATA SHEET

5. FIREFIGHTING MEASURES

PRESSURIZED CONATINER MAY BURST IF HEATED. Level 1 Aerosol (NFPA 30B). Aerosols

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SDS Revision Date: 5/5/2015

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

SDS Revision: 1.0

5.1	Fire & Explosion Hazards:	PRESSURIZED CONATINER MAY BURST IF HEATED. Level 1 Aerosol (NFPA 30B). Aerosols may burst at temperatures above 120 °F. Cool uninvolved containers to prevent possible bursting. Aerosols may be projectile hazards when bursting. If aerosols are bursting, stay clear until bursting is complete. Containers may rupture and release flammable liquids or/or exposed gases if exposed to the heat of fire. Keep containers cool by spraying them with water until the fire has been extinguished. Keep away from heat, lit cigarettes, sparks & open flame. Keep container closed. When exposed to high temperatures, may produce hazardous decomposition products such as oxides of carbon (e.g., CO, CO ₂) and nitrogen (e.g., NO _x) and smoke.									
5.2	Extinguishing Methods:	Water, Foam, CO ₂ , Dry Chemical, Halon (if authorized)									
5.3	Firefighting Procedures:	As in any fire, wear MSH demand) and full protective spray to cool fire-exposed su fire control or dilution from e Firefighters must use full bu breathing apparatus to prote and oxygen deficiencies.	gear. H urfaces a ntering s inker gea	Keep co and to p sewers, ar inclu	ontainers o rotect pers drains, dri ding NIOS	cool until w sonal. Fig nking wate H-approve	vell after the ht fire upwi er supply, c ed positive	e fire is nd. Pre or any na pressur	out. U event run atural w e self-c	se wate noff from aterway contained	r 1 1
		6. ACCID	ENTA		ELEAS	E MEA	SURES	5			
6.1	Spills:	Before cleaning any spill of Equipment (PPE). For <u>small spills</u> (e.g., < 1 Maximize ventilation (open absorbent material and plac local, state and federal regu soap. Remove any contamin For <u>large spills</u> (e.g., ≥ 1 g material (e.g., sand or earth recovery or disposal and sol promptly and wash affected and open bodies of water.	gallon (doors a e into ap ulations. nated clo allon (3.). Use (id diking	(3.8 L)) and wir opropria Wash othing a .8 L)), o DNLY n materia	wear ap idows) an ite closed all affecte nd wash tr deny entry on-sparkin al to separ	propriate d secure container(ed areas a noroughly l v to all un ig tools for ate contain	personal p all sources s) for dispo and outside before reus protected i r recovery a ners for pro	rotective s of ign osal. Di e of con e. ndividua and clea oper disp	e equip ition. ispose o tainer w als. Dil anup. T posal. F	ment (e Remove of prope vith plen ke and o ransfer Remove	e.g., goggles, gloves). a spilled material with rly in accordance with ty of warm water and contain spill with inert liquid to containers for contaminated clothing
		7. HANDLI	NG &	STO	RAGE	INFOF	RMATIC)N			
7.1	Work & Hygiene Practices:	Do not eat, drink, or smoke w									
7.2	Storage & Handling:	Use and store in a cool, dry heat and open flames.). Keep	away from excessive
7.0			a slippir	ng haza	rd if left ur	attended.	Clean all s	spills pro	omptly.		
7.3	Special Precautions:	Spilled material may present						TECT			
7.3	Special Precautions:		NTR		& PFR	SONA			I()N		
		Spilled material may present 8. EXPOSURE CC			& PER		LFRU				OTHER
7.3 8.1	Exposure Limits: ppm (mg/m ³)			OLS GIH STEL	& PER	SONA NOHSC ES-STEL	ES-PEAK	PEL	OSHA STEL	IDLH	OTHER
	Exposure Limits:	8. EXPOSURE CC <u>CHEMICAL NAME(S)</u> PROPANE	AC TLV 1000	GIH STEL NA	ES-TWA 1000	NOHSC ES-STEL NF	ES-PEAK NF		OSHA STEL NA	2100	OTHER
	Exposure Limits:	8. EXPOSURE CC <u>CHEMICAL NAME(S)</u> PROPANE BUTANE	AC TLV 1000 1000	GIH STEL NA 900	ES-TWA 1000 800	NOHSC ES-STEL NF 1900	ES-PEAK NF NF	PEL 1000 NA	OSHA STEL NA NA	2100 1900	OTHER
	Exposure Limits:	8. EXPOSURE CC <u>chemical name(s)</u> PROPANE BUTANE ISOBUTANE	AC TLV 1000 1000 600	GIH STEL NA 900 750	ES-TWA 1000 800 NF	NOHSC ES-STEL NF 1900 NF	ES-PEAK NF NF NF	PEL 1000 NA NA	OSHA STEL NA NA NA	2100 1900 NA	
	Exposure Limits:	8. EXPOSURE CC <u>CHEMICAL NAME(S)</u> PROPANE BUTANE ISOBUTANE LIMONENE	AC TLV 1000 1000 600 NA	GIH STEL NA 900 750 NA	ES-TWA 1000 800 NF NF	NOHSC ES-STEL NF 1900 NF NF	ES-PEAK NF NF NF NF	PEL 1000 NA NA NA	OSHA STEL NA NA NA NA	2100 1900 NA NA	ALLERGEN
	Exposure Limits:	8. EXPOSURE CC CHEMICAL NAME(S) PROPANE BUTANE ISOBUTANE LIMONENE HEXYCINNAMAL	AC TLV 1000 600 NA NA	GIH STEL NA 900 750 NA NA	ES-TWA 1000 800 NF NF NF	NOHSC ES-STEL NF 1900 NF NF NF	ES-PEAK NF NF NF NF NF	PEL 1000 NA NA NA NA	OSHA STEL NA NA NA NA	2100 1900 NA NA NA	ALLERGEN ALLERGEN
	Exposure Limits:	8. EXPOSURE CC CHEMICAL NAME(S) PROPANE BUTANE ISOBUTANE LIMONENE HEXYCINNAMAL LINALOOL	AC TLV 1000 1000 600 NA NA NA	GIH STEL NA 900 750 NA NA NA	ES-TWA 1000 800 NF NF NF NF NF	NOHSC ES-STEL NF 1900 NF NF NF NF	ES-PEAK NF NF NF NF NF NF	PEL 1000 NA NA NA NA NA	OSHA STEL NA NA NA NA NA	2100 1900 NA NA NA NA	ALLERGEN ALLERGEN ALLERGEN
	Exposure Limits:	8. EXPOSURE CC CHEMICAL NAME(S) PROPANE BUTANE ISOBUTANE LIMONENE HEXYCINNAMAL	AC TLV 1000 600 NA NA	GIH STEL NA 900 750 NA NA	ES-TWA 1000 800 NF NF NF	NOHSC ES-STEL NF 1900 NF NF NF	ES-PEAK NF NF NF NF NF	PEL 1000 NA NA NA NA	OSHA STEL NA NA NA NA	2100 1900 NA NA NA	ALLERGEN ALLERGEN
	Exposure Limits:	8. EXPOSURE CC CHEMICAL NAME(S) PROPANE BUTANE ISOBUTANE LIMONENE HEXYCINNAMAL LINALOOL GERANIOL ETHYLHEXYL	AC TLV 1000 1000 600 NA NA	GIH STEL NA 900 750 NA NA NA NA NA natural move a	ES-TWA 1000 800 NF NF NF NF NF NF ventilatior nd prever	NOHSC ES-STEL NF 1900 NF NF NF NF NF NF NF is suffici t buildup	ES-PEAK NF NF NF NF NF NF NF NF ent when t of vapors	PEL 1000 NA NA NA NA NA NA his proc or mist	OSHA NA NA NA NA NA NA NA NA duct is genera	2100 1900 NA NA NA NA NA in use. ited from	ALLERGEN ALLERGEN ALLERGEN ALLERGEN ALLERGEN Use local or general n the handling of this
8.1	Exposure Limits: ppm (mg/m ³) Ventilation & Engineering	8. EXPOSURE CC CHEMICAL NAME(S) PROPANE BUTANE ISOBUTANE LIMONENE HEXYCINNAMAL LINALOOL GERANIOL ETHYLHEXYL METHOXYCINNAMATE General mechanical (e.g., f exhaust ventilation to effect	AC TLV 1000 600 NA NA NA NA NA NA ans) or tively rep vash sta ection is tory pro J.S. stat	GIH STEL NA 900 750 NA NA NA NA NA NA natural move a tion, sir require tection e regu	ES-TWA 1000 800 NF NF NF NF NF NF ventilation nd prever k or wash d under t authorized ations, or	NOHSC ES-STEL NF 1900 NF NF NF NF NF NF is suffici to buildup basin is av ypical circ d per U.S	ES-PEAK NF NF NF NF NF NF NF NF ent when t of vapors vailable in c umstances . OSHA's	PEL 1000 NA NA NA NA NA NA his proc or mist ase of e of use requirem	OSHA NA NA NA NA NA NA NA NA NA Ouct is genera exposure or han nent in	2100 1900 NA NA NA NA NA in use. ited from to eyes dling. I 29 CFF	ALLERGEN ALLERGEN ALLERGEN ALLERGEN ALLERGEN Use local or general n the handling of this s. f



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8. EXPOSURE CONTROLS & PERSONAL PROTECTION – cont'd

8.5	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. If anticipated that prolonged & repeated skin contact will occur during use of this product, wear latex or rubber gloves for routine industrial use. 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 & CHEMICAL PROPERTIES

9.1	Appearance:	Aerosol foam, white.
9.2	Odor:`	Fragrant odor
9.3	Odor Threshold:	NA
9.4	pH:	5.5-6.5
9.5	Melting Point/Freezing Point:	NA
9.6	Initial Boiling Point/Boiling Range:	NA
9.7	Flashpoint:	65 °C (149 °F)
9.8	Upper/Lower Flammability Limits:	LEL: 5.1% / UEL: 17.1% (R-152A)
9.9	Vapor Pressure:	70 ± 5 psig @ 70 °F
9.10	Vapor Density:	NA
9.11	Relative Density:	1.0 ± 0.012
9.12	Solubility in Water:	Soluble
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:`	% solids: 3.0-4.0
		10. STABILITY & REACTIVITY
10.1	Stability:	This product is stable.
10.2	Hazardous Decomposition Products:	Oxides of carbon (CO, CO ₂) and sulfur (SO ₂).
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Open flames, sparks and high heat.
10.5	Incompatible Substances:	None known.
		11. TOXICOLOGICAL INFORMATION
11.1	Routes of Entry:	Inhalation: YES Absorption: YES Ingestion: YES
11.2	Toxicity Data:	The product has not been tested for specific toxicity data.
11.3	Acute Toxicity:	See section 4.4
11.4	Chronic Toxicity:	See section 4.5
11.5	Suspected Carcinogen:	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 4.3.
11.8	Biological Exposure Indices:	NE
11.9	Physician Recommendations:	Treat symptomatically.
		12. ECOLOGICAL INFORMATION
12.1	Environmental Stability:	There is no specific data available for this product.
12.2	Effects on Plants & Animals:	There is no specific data available for this product.
12.3	Effects on Aquatic Life:	There is no specific data available for this product.
10.4	Wests Dispass'	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).



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		14. TRANSPORTATION INFORMATION	
The	basic description (ID Nur	nber, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Ad	dditional
	criptive information may be	e required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.	
14.1	49 CFR (GND):	CONSUMER COMMODITY, ORM-D (IP VOL ≤ 1000 mL) – until 12/31/2020 UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1000 mL)	
14.2	IATA (AIR):	ID8000, CONSUMER COMMODITY, 9 (IP VOL ≤ 500 mL) UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 500 mL)	
14.3	IMDG (OCN):	UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1000 mL)	
14.4	TDGR (Canadian GND):	UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1000 mL) or MARK PACKAGE "LIMITED QUANTITY," "LTD QTY," or "QUANT LTÉE" or "QUANTITÉ LIMITÉE"	
14.5	ADR/RID (EU):	UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1000 mL)	>
14.6	SCT (MEXICO):	UN1950, AEROSOLS, 2.1 (CANTIDAD LIMITADA, IP VOL ≤ 1000 mL)	
14.7	ADGR (AUS):	UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1000 mL)	AN CHART
		15. REGULATORY INFORMATION	
15.1	SARA Reporting	This product does not contain any substances subject to SARA Title III, section 313 reporting requirements.	
15.2	Requirements: SARA Threshold Planning Quantity:	There are no specific Threshold Planning Quantities for the components of this product.	
15.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.	
15.4	CERCLA Reportable Quantity (RQ):	NA	
15.5	Other Federal Requirements:	This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subch (Cosmetics). This material does not contain any hazardous air pollutants. None of the components in this product are listed a pollutants under the CWA. None of the components in this product are listed as toxic pollutants under the CWA.	
15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List. WHMIS B5, D2B (Flammable Aerosol, Other Toxic Effects)	Ţ
15.7	State Regulatory Information:	 <u>Propane</u> is found on the following state criteria list: Massachusetts Hazardous Substances List (MA), M Hazardous Substances List (MN), Pennsylvania Right-to-Know List (PA), and Washington Permissible Expose (WA). <u>Isobutane</u> is found on the following state criteria list: MA, NJ and PA. <u>Hexylene Glycol</u> is found on the following state criteria list: FL, MA, MN, PA and WA. No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the followic criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Sub List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Ha Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Penn Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (W) 	ing state ostances azardous nsylvania
15.8	Other Requirements:	The primary components of this product are listed in Annex I of EU Directive 67/548/EEC. <u>Isobutane</u> : Flammable (F+). <u>Risk Phrases</u> (R): 12 – Extremely flammable. <u>Safety Phrases</u> (S): 2-6- 16-53-45 – Keep out of reach of children. Keep cool store below 120 °F (48.8 °C). Keep away from sources of ignition – No smoking. Avoid exposure – obtain special instructions before use. In case of accident or if you fell unwell seek medical advice immediately. Flammable (F). <u>Risk Phrases</u> (R): 11 – Flammable. <u>Safety Phrases</u> (S): 2-7-16-24/25 – Keep out of reach of children. Keep container tightly closed. Keep away from sources of ignition – No smoking. Do not breathe vapor. Avoid contact with skin and eyes. <u>Hexylene Glycol</u> : Irritant (Xi). <u>Risk Phrases</u> (R): 36/38 – Irritating to eyes and skin. <u>Safety Phrases</u> (S): 2 -26 - 2-26 – Keep out of reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.	×



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		16. OTHER INFO	DRMATION
16.1	Other Information:	IRRITATION. Keep away from heat, hot surface spray on open flame or other ignition so fume/gas/mist/vapours/spray. Wash hands and skin irritation or rash occurs: Get medical advice EYES: Rinse cautiously with water for several n rinsing. If eye irritation persists get medical advice (if authorized) to extinguish. Store in a well-venti	CAUSE AN ALLERGIC SKIN REACTION. CAUSES SERIOUS EYE s, sparks, open flames and other ignition sources. No smoking. Do not urce. Do not pierce or burn, even after use. Avoid breathing exposed skin areas with soap and warm thoroughly after handling. If e/attention. IF ON SKIN: Wash with plenty warm water and soap. IF IN ninutes. Remove contact lenses, if present and easy to do. Continue ee/attention. In case of fire: Use Water, Foam, CO ₂ , Dry Chemical, Halon lated place. Keep cool. Use only as directed. Protect from sunlight. Do 22 °F). Discontinue use immediately if irritation develops. KEEP OUT
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.	
16.3	Disclaimer:	government regulations must be reviewed for app 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	OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other olicability 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 idered. Data may be changed from time to time. Be sure to consult the
16.4	Prepared for:	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	S
16.5	Prepared by:	ShipMate, Inc. P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700 http://www.shipmate.com	ShipMate Dangerous Goods Training & Consulting



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DEFINITION OF TERMS

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

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number					
EXPOSURE	EXPOSURE LIMITS IN AIR:					
ACGIH	American Conference on Governmental Industrial Hygienists					
C	Ceiling Limit					
ES	Exposure Standard (Australia)					
IDLH	Immediately Dangerous to Life and Health					
OSHA	U.S. Occupational Safety and Health Administration					
PEL	Permissible Exposure Limit					
STEL	Short-Term Exposure Limit					
TLV	Threshold Limit Value					
TWA	Time Weighted Average					

FIRST AID MEASURES:

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

HMIS-III HEALTH. FLAMMABILITY & REACTIVITY RATINGS:

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

PERSONAL PROTECTION RATINGS:

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С		Ę.	I				
D	B	t)	J			Ŵ	
Е		\bigcirc	κ			R	
F			x	Consult yo special har			
Sa	afety Glasses	Splash Goggles		ce Shield & ctive Eyewea	r	Glove	s
	Boots	Synthetic Apron		ctive Clothing Full Suit	9 0	Qust Resp	birator
Full I	Face Respirator	Dust & Vapor Half- Mask Respirator	-	Gull Face espirator	Aiı	rline Hoo or SCE	
отн	ER STANDARD	ABBREVIATIONS	5:				

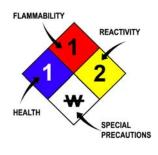
ML	Maximum Limit
mg/m3	milligrams per cubic meter
NA	Not Available
ND	Not Determined
NE	Not Established
NF	Not Found
NR	No Results
ppm	parts per million
SCBA	Self-Contained Breathing Apparatus

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILI	TY LIMITS IN AIR:
Autoignition	Minimum temperature required to initiate combustion in air with no other
Temperature	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
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals					
	s					
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal					
ppm Concentration expressed in parts of material per million parts						
TD _{Io} Lowest dose to cause a symptom						
TCLo Lowest concentration to cause a symptom						
TD _{Io} , LD _{Io} , & LD _o or	LD _o or Lowest dose (or concentration) to cause lethal or toxic effects					
TC, TC _o , LC _{io} , & LC _o						
IARC	International Agency for Research on Cancer					
NTP	National Toxicology Program					
RTECS	Registry of Toxic Effects of Chemical Substances					
BCF	Bioconcentration Factor					
TLm	Median threshold limit					
log 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
NOHSC	National Occupational Health and Safety Commission (Australia)
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)
HMIS-III	National Paint & Coatings Association Hazardous Materials Identification System

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

\bigcirc	۲	٨	Q	(Ţ)	۲			
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:

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

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

			\Diamond			\Leftrightarrow		
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environ- ment