MATERIAL SAFETY DATA SHEET

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MSDS-035

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 3.1

			1. PRODUCT	IDENITI				
	Desidential		I. FRODUCI	IDENIII	TCATION			
1.1	Product Name: MACH 5							
1.2	Chemical Name:							
1.3	Synonyms: NA							
1.4	Trade Names: NA 491, NA 49	72, NA 493, NA 494						
1.5	Product Use:	L OR SUNDRY USE ONLY						
1.6	Manufacturer's No	ıme:						
1.7	Manufacturer's Ac		. CA 91605 USA					
1.8	Emergency Phone							
1.9	Business Phone:	2400 / +1 (800)-341-9999						
			2. HAZARD	DENTIF	CATION			
2.1		on: is classified as a HAZARDC (2004) and ADG Code (Aus		NOT as DA	NGEROUS GOODS o	Iccording	to the classification	criteria of
2.2	Routes of Entry:	· · · ·	Inhalation:	YES	Absorption:	YES	Ingestion:	YES
2.3	Effects of Exposure INGESTION: SKIN & EYES:	r If product is swallowed, m Warning! This product will Symptoms of overexposu sensitive individuals, espe	bond skin instantly. re may include redi	Vapor of tl ness, itchin	his product may be r g, irritation and wat	nildly to m	oderately irritating to	the eyes.
		Vapors of this product n Symptoms of overexposur vapors can cause central	e can include cougl nervous system dep	hing, whee ression (e.g	zing, nasal congestic 1., drowsiness, dizzine	on, and difi ess, headad	iculty breathing. Inh ches, nausea).	y system. alation of
2,4	CLOTHING: Symptoms of Over	May undergo rapid polym	erization on contact	with clothi	ng, releasing heat. S	<u>kin burns n</u>	nay result.	
2.4	Symptoms of	skin overexposure in sou of vapor in eyes may caus				ching, and	l irritation of affecte	ed areas.
2.5	Acute Health Effect Mild to moder	ate irritation to skin near aff	ected areas.					
	include redne	product may be mildly to r ss, itching, irritation and wa	tering.				mptoms of overexpo	sure may
2.6	Chronic Health Effe	nigh concentrations of vapo	ors can cause drowsi	ness, dizzin	ess, headaches and	nausea.		
2.0	None known.							
2.7	Target Organs:							
	Eyes, skin & re	spiratory system.						
NIA -			lot Establish	lot Found: 6		a allow bit f		
		ND = Not Determined; NE = N AlS required information is incl						is of Terms

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			3	. COMPO	DSITION &	ING	REDIE	INTS							
									EXPO	SURE LI	MITS IN	I AIR (I	mg/m ³)	
							AC	ACGIH		NOHSC			OSHA		
							pp	pm		ppm	-		ppm		OTHER
	CHEMICAL NA	ME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES- TWA	ES- Stel	ES- PEAK	PEL	STEL	IDLH	
ETHYL	-2 CYANOACR	YLATE	7085-85-0	UD3330050	230-391-5	≤ 90.0	(0.2)	NE	NF	NF	NF	NE	NE	NE	
ISOPR	OPYL CYANOA	CRYLATE	10586-17-1	NA	234-188-2	≤ 10.0	NE	NE	NF	NF	NF	NE	NE	NE	
L				4. FII	RST AID M	EASU	RES								
4.1	First Ald:														
	INGESTION:				product has be ater or milk. N										
					emergency nu										
					ce that was sw			o un o	, in the second					maren	ai ir ab
	SKIN:	+			Do not pull. P			ng ace	etone,	(use lu	ıkewar	m wai	ler onl	y for p	roduct
		removal, if s	skin bonding l	nas occurred	near the eyes). If irrit	tation of	occurs	and p	roduc	t is on	the sk	in, rins	e thor	oughly
					rough washing	of the	affecte	ed are	a with :	soap o	ind wa	ter. If	irritatio	n, redi	ness or
			sists, contact o		-										
	EYES:	and closing	eyelids to ens	ediately. Do ure thorough i	not try to ope irrigation. If irri	n the e tation p	ye. Hu persists,	, conto	n cool Ict a pl	water hysicic	tor at in.	least	15 min	utes ol	bening
	INHALATION:	Remove vic	tim to fresh air	at once. If br	eathing stops,	perform	n artific	cial res	piratio	n. See	k imm	ediate	medio	al atte	ention.
	CLOTHING:	May bond s	kin to clothing	g and may rel	lease heat, ca	using b	urns.	Cool	burned	area	immed	liately	with c	old we	ater. If
		clothing adi	neres to skin, c	lo not pull; pe	el slowly unde	r lukew	arm wo	ater. (Consul	a phy	slcian	for tre	atmen	l of bu	ns.
4.2	Medical Condition	ns Aggravated by	Exposure:						HEA	LTH					2
	None known.								FLA/	MMA	BILIT	Y			1
									REA	CTIV	ITY				2
									PRO	TECI	IVE I	EQUI	PME	NT	Α
									EYES	ľ					
				5. FIRE	FIGHTING	MEA	SURE	S							
5.1	Flashpoint & Method < 83°C (181°F)														
5.2	Autoignition Temp														
	ND														
5.3	Flammability Limits	:		Lower Explos	sive Limit (LEL):		ND		Upper	Explo	sive Lin	nit (UEL):	N	D
5.4	Fire & Explosion Ha														
			occur at very	high tempera	tures.										
5.5	Extinguishing Meth														
	CO ₂ , Halon, D								_			5	\mathcal{A}^{1}	N	
5.6	Firefighting Proceed			anito roadily a	and decomposition		aduca	ovido	ofea	hon a	nd		2	2	>
	When involved nitrogen and l of ignition and	hydrogen cyd		of this produc	ct are heavier									Ý	
	First responde equipment. U	rs should we se a water sp	ar eye protec	tion. Structure	al firefighters m ect vapors. Wa								\sim		
	exingerantly		a nie prodoci												

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6.1

7.2

Splls:

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6. ACCIDENTAL RELEASE MEASURES

Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., <1 gatlon) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows) and secure all sources of ignition. Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse.

For spills ≥ 1 gallon, deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Use ONLY non-sparking tools for recovery and cleanup. Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

7. HANDLING & STORAGE INFORMATION

7.1 Work & Hyglene Practices: Avoid prolonged or repeated skin contact. Avoid breathing vapors of this product. Use eye protection when using this product. Use in a well-ventilated location (e.g., local exhaust ventilation, fans). After use, wash hands and exposed skin with soap & water. Do not eat, drink or smoke while handling product.

Open containers slowly on a stable surface. Keep container closed tightly when not in use. Empty container may contain residual amounts of this product; therefore, empty containers should be handled with care.

 Store containers in a cool, dry location, away from direct sunlight, other light sources, or sources of intense heat. Ideal storage temperatures: 5-10 °C. Store away from incompatible materials (see Section 10, Stability and Reactivity).

 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 Ventilation & Engineering Controls:

Storage & Handling:

Use in a well ventilated location (e.g., local exhaust ventilation, fans).

Respiratory Protection:
 No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, E.C. member states, or Australia.
 Eve Protection:

Safety glasses with side shields should be used with this product. This product is irritating to the eyes.
 8.4 Hand Protection:
 Warning! This product will bond skin instantly. Therefore, the use of latex or rubber gloves is recommended. If necessary, refer to U.S.

 Warning! This product will bond skin instantly. Therefore, the use of latex or rubber gloves is recommended. If necessary, refer to U.S.

 OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. member states.

 8.5
 Body Protection:

No apron required when handling small quantities.

When handling large quantities (e.g., ≥ 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.

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1 Devity: 1.04 2 Devity: 1.04 2 Matthey frace: ND 3 Matthey frace: ND 4 Exponention State: ND 5 Matthey frace: ND 6 Matthey frace: ND 7 Mathey frace: ND 7 Mathey frace: ND 7 Mathey frace: ND 7 Mathey: Statubule in water. 7 Mathey: ND 7 Other Mathey: Low viscosity. 7 Other Mathey: ND 7 Mathey: Statubule in water. 7 No property (see Section 7, Storage and Handling). 7 Statubule Decompatitive frace: 7 Mathey: Statubule in water. 7 Statubule Decompatitive frace: ND 7 Statubule Decompatitive frace: ND 7 Statubule Decompatitive frace: ND 7 Statubule Decomatitive frace: ND <t< th=""><th></th><th></th><th>9. PHYSICAL & CHEMICAL PROPERTIES</th></t<>			9. PHYSICAL & CHEMICAL PROPERTIES						
9.3 Saling Felds: > 309°F (> 149°C) 9.3 Matting Frank ND 9.3 Matting Frank ND 9.4 Eresponden Robe: ND 9.4 Eresponden Robe: ND 9.4 Madeacide Weight: NA 9.4 Madeacide Weight: NA 9.5 Solutily: Insoluble In water. 9.10 Pri NA 9.11 Nointy: Low Vaccally. 9.12 Order Hweinster: Vagor density > 3 @ 20°C (48°F) (air = 1); Polymetizes In water. 9.11 Macadas Eventorial Matting Notice. Vagor density > 3 @ 20°C (48°F) (air = 1); Polymetizes In water. 9.12 Order Hweinstein Vagor density > 3 @ 20°C (48°F) (air = 1); Polymetizes In water. 9.13 Solutily: Stable under ambient conditions when stored property (see Section 7, Storage and Handling). 10.1 Barados Beoconstain Modals. Eposure 10 or contecl With Reperclures, storag light sources or Incompatible materials. 10 Incontock worde Exposure 10 or contecl With water and	0.1	Dondha							
Matting heads: Not 43 Amportion Rate: ND 44 Reparation Rate: ND 54 Vector Previous < 0.2 mm Hg 54 Matting heads: ND 54 Matting heads: ND 54 Matting heads: ND 54 Matting heads: ND 55 Clear to slightly yellow liquid. Thixotropic get with sharp, inflating acrylic odor. 56 Matting heads: ND 56 Salutility: Insoluble in water. 51 Vacor Previous: Vacor Previous: 53 Salutility: Use viscosity. 54 Other Intermotiv: Vagor density > 3 @ 20°C (& 68°P) (air = 1); Polymetrizes in water. 51 Salutility: Salutility: Salutility:									
94 Expandion Role: ND 13 Vapor Thesuse: < 0.2 mm Hg 14 Modecular Weight: NA 15 Modecular Weight: NA 16 Modecular Weight: Insoluble in water. 17 Pirit NA 18 Over Invendet ND 19 Soublity: Insoluble in water. 10 Pirit NA 10 Viceolry: Low Viscosity. 11 Viceolry: Vapor density > 3 @ 20°C (48°F) (air = 1); Polymertzes in water. 10. Stability: Stability: Stability: 10. Stability: Stability: Stability: 10. Stability: Stability: Stability: 11. Conditions when stored property (see Section 7, Storage and Handling). Meadow Decompatition modula: 10. Stability: Stability: Stability: 11. Meadow Decompatition Inducto: Meadow Decompatition Products in Meadow Decompatition Products: 10. Stability: Stability: Meadow Decompa	-								
93 Vacor Phasuae: < 0.2 mm Hg 64 Medinular Weight: NA 74 Adventum Keight: NA 75 Odd Themodel: ND 76 Odd Themodel: ND 76 Odd Themodel: ND 76 Odd Themodel: ND 76 Odd Themode: ND 77 Stocklik: Insoluble in water. 78 Odd Themode: Vacority: 79 pit NA 70 pit NA 70 pit NA 70 Pit NA 70 Stocklik: Low Vacosity. 71 Vacority: Na 71 Stocklik: Na 72 Other whomediate: Vacority: Stocklik: 73 Posterio Advect: Vacority: Stocklik: 74 Condition: Na 75 Stocklik: Na 76 Stocklik: Na 76 <td< th=""><th></th><th></th><th></th></td<>									
Modes/der Weight NA 12 Modes/der Weight NA 12 Approximate & Color: C Clear to slightly yellow liquid. Thixotropic gel with sharp, initialing acrylic odor. 12 Order Threwood: ND 13 Sociality: Insolubble in water. 14 NA Low viscosity. 151 Viscosity. Low viscosity. 151 Viscosity. Low viscosity. 151 Viscosity. Na 151 Viscosity. Na 152 Viscosity. Na 153 Stable under ambient conditions when stored property (see Section 7, Storage and Handling). 154 Hicardow biocompatile moducts: If exposed to extimety high temperatures, the products of thermal decomposition may include initiating vapors and carbon oxide gases and hydrogen cyanide (e.g., CO, Co, NCN). 154 Heardow branchem Heardow branchem 164 Conditions koud: Exposure to or contact with extreme temperatures, strong light sources or incompatible materials. 156 Hooremothe koud: Exposure to archact with extreme temperatures, super solid color (s.g., hydrochloric or mutitalic acids), or strong bases (e.g., hydrochloric									
9.3 Appendance & Coid: Clear to slightly yellow liquid. Thizotropic get with sharp, initialing acrylic ador. 9.4 Order Trentoid: ND 9.5 Soudily: Insoluble In water. 9.10 Pit NA 9.11 Vacatly: Low viscosity. 9.12 Order Instruction Vagor density > 3 @ 20°C (65°F) (afr = 1); Polymerizes In water. 9.12 Order Instruction Vagor density > 3 @ 20°C (65°F) (afr = 1); Polymerizes In water. 9.12 Stability: Stability: Stability: 9.13 Stability: Stability: Stability: 9.14 Hardook Decomposition Products: If exposed to exthermely high temperatures, the products of thermal decomposition may include Initiating vapors and carbon oxide gases and hydrogen cryonalde (e.g., C.O., C.O., LCA). 10.3 Macardos: Polymetation: May occur, if exposed to externely high temperatures or exposed to moisture. 10.4 Carditions to Avadi: Exposure to or contact with extreme temperatures, strong light sources or incompatible materials. 10.5 The product is incompatible with strong oxiditizes (e.g., peroxides, superoxides), strong acids (e.g., hydrochloric or muniatic acids), or strong bases (e.g., hye, polassium hydroxide). 10.5 Toxidry Date: The product his nor									
Odar Threshold; ND 93 Odar Threshold; ND 94 Solutify: Insolubble in water. 95 Odar Threshold; ND 94 Solutify: Insolubble in water. 91 Viscolity: Low viscosity. 91 Viscolity: Low viscosity. 91 Odar Internation: Vapor density > 3 @ 20°C (68°F) (air = 1); Polymerizes in water. 91 Otar Internation: Vapor density > 3 @ 20°C (68°F) (air = 1); Polymerizes in water. 91 Otar Internation: Vapor density > 3 @ 20°C (68°F) (air = 1); Polymerizes in water. 91 Otar Internation: Vapor density > 3 @ 20°C (68°F) (air = 1); Polymerizes in water. 91 Otar Internation: Vapor density = 20°C (68°F) (air = 1); Polymerizes in water. 91 Hazadou Deensnotitien Product: Iteration and polydogen cyanide (e.g., CO, CO, L(CN)). 92 Condens to Avido: Exposed to externetly high temperatures or exposed to molsture. May occur, if exposed to externetly high temperatures or exposed to molsture. 92 Poromphilis Butarinee: The product is international decompositien international. 92 Porout is internat									
Insclube in water. 910 pit 911 NA 912 Other information: Vapor density > 3 @ 20°C (68°F) (at = 1); Polymertzes in water. 912 Other information: Vapor density > 3 @ 20°C (68°F) (at = 1); Polymertzes in water. 913 Stability under ambient conditions when stored property (see Section 7, Storage and Handling). 914 Hexadous Decomposition Product: 915 Hexadous Decomposition Product: 916 exadous Decomposition Product: 917 Hexadous Prometation: May accur, if exposed to extremely high temperatures, the products of thermal decomposition may include inflating vapors and carbon oxide gases and hydrogen cyclosed to extremely high temperatures or exposed to moisture. 916 Caratters to avaidate estimation: May accur, if exposed to extremely high temperatures, strong light sources or incompatible materials. 917 Incompatible Substreame: This product his not been tested on animals to obtain toxicological data. There are toxicology data for the components of this product, which are found in the scientific literature. These data have not been presented in this document. 918 Separation 2.6 Separation 2.6 919 Storage toxic is not been tested on animals to obtain toxicological data. There are toxicology data for the components of this pr									
9/10 pH NA 9/11 Vicosity: Low viscosity. 9/12 Other information: Vapor density > 3 @ 20°C (68°F) (air = 1); Polymerizes in water. 9/12 Stability: Stability: 9/13 Stability: Stability: 9/14 Stability: Stability: 9/15 Stability: Stability: 9/16 Intervision when stored property (see Section 7, Storage and Handling). 9/17 Haradous Decompation Products: 10/12 Haradous Decompation Products: 11 exposed to extremely high temperatures or exposed to moisture. 10/2 Condition Evade: 2 Exposure to or contact with extreme temperatures, strong light sources or incompatible materials. 11 Foreignetic Evaders: 11 Toxicly Evader: 11.1 Toxicly Evader: 11.1 Toxicly Evader: 11.1 Toxicly Evader: 11.2 Autor toxicly: 2 See Section 2.5 11.3 Evader Evader: 11.4 Subpected Contract with extreme temperature: 11.4 Toxicly Evader: 11.1 Toxicly Evader: 12 Autoratory: 2 See Section 2.6 3									
Instrumentary Low viscosity. 9.12 Chertiformattary Vapor density > 3 @ 20°C (68°F) (air = 1); Polymerizes in water. 9.12 Othertiformattary Vapor density > 3 @ 20°C (68°F) (air = 1); Polymerizes in water. 9.13 Stability: Stability: Stability: 9.14 Macaday: Reactions when stored property (see Section 7, Storage and Handling). 102 Heardow Decompatition Products: If exardow Decompatition Products: 11 Readow Decompatition Products: If exardow Decompatition Products: 11 Readow Decompatition Products: If exardow Decompatition Products: 11 Readow Decompatition Products: If exardow Decompatition Products: 12 Heardow Decompatition Products: If exardow Decompatition Products: 13 Incompatitie Subatrone: This product Is incompatitie with strong oxidizers (e.g., peroxides, superoxides), strong acids (e.g., hydrochloric or mutatic acids), or strong bases (e.g., iye, potassium hydroxide). 11.1 Toxitic Nation Product Is not been tested on animals to obtain toxicological data. There are toxicology data for the components of this product has not been tested on animals to obtain foxicological data. 11.2 Fordic Isotary: See Section 2.6 <			Insoluble in water.						
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10. Topol centry / 00 20 C (centry) / 00 20 C (centry) (centry) / 00 models 10. Stability: Stability: Stability: Stability: Stability: Stability: Stability: Stability: Stability: Stability: Stability: Stability: Stability: 10. Stability: Stability: Stability: Stability: Stability: 10. Stability: Stability: Stability: 10. Stability: 10. Stability: 10. Stability: 10. Stability: 10. Stability: 11. Total (e.g., control (e.g., control (e.g., control (e.g., control (e.g., peroxides, superoxides), strong acids (e.g., hydrochloric or murialic acids), or strong bases (e.g., lye, potassium hydroxide). 11.1 Totadity bala: 11.2 Acute Totacity: 1			Low viscosity.						
10.1 Stable under ambield conditions when stored property (see Section 7, Storage and Handling). 10.1 Heardow Decomposition Products: If exposed to extremely high temperatures, the products of thermal decomposition may include irritating vapors and carbon oxide gases and hydrogen cynalde (e.g., CO, CO2, HCN). 10.3 Heardow Polymeterion: 10.4 Condition to Avada: Exposure to or contact with extreme temperatures, strong light sources or incompatible materials. 10.5 Incompatible Subtrace: 11.6 This product is incompatible with strong oxiditizers (e.g., peroxides, superoxides), strong acids (e.g., hydrochioric or muriatic acids), or strong bases (e.g., lye, potassium hydroxide). 11.1 Toxicity Data; This product has not been tested on animals to obtain toxicological data. There are toxicology data for the components of this product, which are found in the scientific literature. These data have not been presented in this document. 11.2 Acute foradary: See Section 2.6 11.3 Convoltative Toxidaty: See Section 2.6 11.4 Mutagerichty: This product is not reported to cause reproductive toxicity in humans. Mutagerichty: This product is not reported to cause reproductive toxicity in humans. Terratogative NE Protect cardinger: NE Thesproductive Toxicity in humans. </th <th>9.12</th> <td>Other Information:</td> <td>Vapor density > 3 @ 20°C (68°F) (air = 1); Polymerizes in water.</td>	9.12	Other Information:	Vapor density > 3 @ 20°C (68°F) (air = 1); Polymerizes in water.						
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10.2 Hearadou Decomposition freducts: If exposed to extremely high temperatures, the products of thermal decomposition may include initiating vapors and carbon oxide gases and hydrogen cyanide (e.g., CO, CO, NON). 103 Hacardou Polymetration: May accur, if exposed to extremely high temperatures or exposed to molsture. 104 Conditions to Avdid: Exposure to or contact with extreme temperatures, strong light sources or incompatible materials. 105 Incompatible Substance: This product is incompatible with strong oxidizers (e.g., peroxides, superoxides), strong acids (e.g., hydrochloric or muriatic acids), or strong bases (e.g., lye, potassium hydroxide). 105 Incompatible Substance: This product is not been tested on animals to obtain toxicological data. There are toxicology data for the components of this product, which are found in the scientific literature. These data have not been presented in this document. 112 Acute Toxicity: See Section 2.5 113 Cronot broathy: See Section 2.6 114 Supecided Cardingen: NE 115 Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans. Entreproductive: This product is not reported to cause teratogenic effects in humans. Entreproductive: This product is not reported to cause teratogenic effects in humans. Entreproductive Toxicity: This product is not reported to cause teratogenic effects in humans. Entreproductive Tablety: This product is not reported to cause teratogenic effects in humans. Entreproductive Toxicity: This product is not reported to cause teratogenic effects in humans. Entreproductive Toxicity: This product is not reported to cause teratogenic effects in humans. Entreproductive Table	10.1	Stability:							
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	D.T	MATERIAL SAFETY DATA SHEET		Page 5 of 7
	I ·P·I	MAIERIAL SAFEIT DATA SHEET		MSDS-035
Prep	ared to OSHA, AC	C, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 3.1 MSDS R	evision Da	te: 08/27/2010
		12. ECOLOGICAL INFORMATION		
12.1	Environmental Stability:			
12.2	Effects on Plants & Anir	lowly volatile from soil. Components of this product will slowly decompose into organic nais:	compound	as.
	There are no spec	ific data available for this product.		
12.3	Effects on Aquatic Life: There are no spe overexposed aqu	ecific data available for this product; however, very large releases of this product latic life.	may be l	harmful or fatal to
		13. DISPOSAL CONSIDERATIONS		
13.1	Waste Disposal:	13. DISI OSAL CONSIDERATIONS		
	,	ust be in accordance with federal, state, and local regulations.		
13.2	Special Considerations			
	NA			
		14. TRANSPORTATION INFORMATION		
		D Number, proper shipping name, hazard class & division, packing group) is shown for enformation may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.	each mode	e of transportation.
14.1	49 CFR (GND):			
14.2	NOT REGULATED		-	
14.2	IATA (AIR): NOT REGULATED		_	
14.3	IMDG (OCN):			
14.4	TDGR (Canadlan GND)		4	
	NOT REGULATED	•		
14.5	ADR/RID (EU):			
14.6	MEXICO (SCT):		-	
147	NOT REGULATED		_	
14.7	ADGR (AUS): NOT REGULATED			
15.1	SARA Reporting Require	15. REGULATORY INFORMATION		
13.1		51 (G) 112		
15.2	SARA Threshold Plannin	g Quantity:		
15.3	NA TSCA Inventory Status:			
		of this product are listed on the TSCA Inventory.		
15.4	CERCLA Reportable Qu	antily (RQ):		
15.5	NA Other Federal Regulren	nents:		
	This product com	plies with the appropriate sections of the Food and Drug Administration's 21 CFR subcha	pter G (Co	smetics).
15.6	Other Canadian Regul			
	the information re	been classified according to the hazard criteria of the CPR and the MSDS contains all of equired by the CPR. The components of this product are listed on the DSL/NDSL. None ts of this product are listed on the Priorities Substances List.		
15.7	State Regulatory Inform			
15.8	67/548/EEC (European	dlents in this mixture are listed on any state criteria lists. Union) Requirements:		
		ponent of this product is listed in Annex I of EU Directive 67/548/EEC:		1
	cause sensitization contact with eyes	ate: Irritant (Xi). R: 36/37/38-43 - Irritating to eyes, respiratory system and skin. May on by skin contact. S: 24/25-26-46 - Avoid contact with skin and eyes. In case of s, rinse immediately with plenty of water and seek medical advice. If swallowed, seek		
	medical advice li	nmediately and show this MSDS or container label.		

MATERIAL SAFETY DATA SHEET

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 3.1

16.	OTHER	INFORMATION
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16.1	Other Information:	
	Do not store near eye drops. Eye Irritant Instantly. If skin bonds, do not pull - pe reach of children.	. If eye contact occurs, flush immediately with water and seek medical attention. Bonds skin el apart gently using acetone. Avoid contact with fabrics as heat may occur. Keep out of
16.2	Terms & Definitions:	
	Please see last page of this MSDS.	
16.3	Disclaimer:	
	government regulations must be review information contained herein is reliable guaranteed and no warranties of any ty	ered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other ed for applicability to this product. To the best of ShipMate's & OPI Products' knowledge, the e and accurate as of this date; however, accuracy, suitability or completeness are not /pe, either expressed or implied, are provided. The information contained herein relates only ct(s) is combined with other materials, all component properties must be considered. Data sure to consult the latest edition.
16,4	Prepared for:	
	OPI Products, inc.	
	13034 Saticoy Street No. Hollywood, CA 91605 USA	$0 \cdot \mathbf{P} \cdot \mathbf{I}$
	+1 (818) 759-2400 phone	U'I'I
	+1 (818) 759-5770 fax	-
	http://www.opi.com/	
16.5	Prepared by: ShlpMate, Inc. P.O. Box 787 Sisters, OR. 97759-0787 +1 (310) 360-3700 phone +1 (310) 360-5700 fax http://www.shipmate.com/	ShipMate Dangernus Goods Training & Consulting

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MSDS Revision Date: 08/27/2010

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a MSDS. 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
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard

HEALTH

PERSONAL PROTECTION RATINGS:



OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

volume spills or releases of product.

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition	Minimum temperature required to initiate combustion						
Temperature	in air with no other source of ignition						
LEL							
	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						
	by volume, that will explode or ignite in the presence of						
	an ignition source						

HAZARD RATINGS:

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



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals s					
LC₅o	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					
TDIo, LDIo, & LDo or	Lowest dose (or concentration) to cause lethal or					
TC, TCo, LCio, & LCo	toxic effects					
IARC	International Agency for Research on Cancer					
NTP	National Toxicology Program					
RTECS	Registry of Toxic Effects of Chemical Substances					
BCF	Bioconcentration Factor					
TLm	Median threshold limit					
log Kow or log Koc	Coefficient of Oil/Water Distribution					

REGULATORY INFORMATION:

Canadian Workplace Hazardous Material Information System				
U.S. Department of Transportation				
Transport Canada				
U.S. Environmental Protection Agency				
Canadian Domestic Substance List				
Canadian Non-Domestic Substance List				
Canadian Priority Substances List				
U.S. Toxic Substance Control Act				
European Union (European Union Directive 67/548/EEC)				

EC INFORMATION:

		na Solar Solar					
С	E	F	N	0	T+	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxldizing	Toxic	Imitant	Harmful