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# **SAFETY DATA SHEET**

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

SDS Revision: 4.1

SDS Revision Date: 2/8/2016

1. PRODUCT & COMPANY IDENTIFICATION				
.1	Product Name:	OPI COMPETITION ENHANCED COLOR TECHNOLOGY MONOMER		
.2	Chemical Name:	Methacrylate Solution		
.3	Synonyms:	Competition Formula 3000 E.C.T. Liquid; Competition Enhanced Color Technology Monomer		
1.4	Trade Names:	AE E02, E04, E08, E06, E07, E09		
1.5	Product Use:	Professional Use Only		
1.6	Distributor's Name:	OPI Products, Inc.		
1.7	Distributor's Address:	13034 Saticoy Street, No. Hollywood, CA 91605 USA		
1.8	Emergency Phone:	CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300 (CCN 16377)		
1.9	Business Phone / Fax:	+1 (818) 759-2400 / +1 (818) 759-5776		

#### 2. HAZARDS IDENTIFICATION

2.1 Hazard Identification:

This product is classified as a hazardous substance and as dangerous goods according to the classification criteria of NOHSC: 1008 (2004) and ADG Code (Australia).

DANGER! HIGHLY FLAMMABLE LIQUID AND VAPOR. MAY BE HARMFUL IN CONTACT WITH SKIN. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES SERIOUS EYE IRRITATION. MAY CAUSE RESPIRATORY IRRITATION.

Classification: Flam. Liq. 2; Acute Tox. 5; Skin Sens. 1A; Eye Irrit. 2A; SOT SE 3

<u>Hazard Statements</u> (H): H225 – Highly flammable liquid and vapor. H313 – May be harmful in contact with skin. H317 – May cause an allergic skin reaction. H319 – Causes serious eye irritation. H335 – May cause respiratory irritation.

Precautionary Statements (P): P210 – Keep away from heat/sparks/open flame/hot surfaces – No Smoking. P233 – Keep container tightly closed. P243 – Take precautionary measures against static discharge. P261 – Avoid breathing fume/mist/vapors/spray. P264 – Wash exposed skin areas thoroughly with soap and water after handling. P272 – Contaminated work clothing should not be allowed out of the workplace. P280 – Wear protective gloves/eye protection/face protection. P302+P352 – IF ON SKIN: Wash with soap and water. P305+P351+P338 – IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. P333+P313 – If skin irritation or a rash occurs – Get medical advice/attention. P321 – For specific first aid treatment (See Section 4 of this Safety Data Sheet). P363 – Wash contaminated clothing before reuse. P370+P378 – In case of fire, CO<sub>2</sub>, Halon (if permitted), dry chemical, or foam for extinction. P403+P235 – Store in a well-ventilated place. Keep cool. P501 – Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF).



### 3. COMPOSITION & INGREDIENT INFORMATION

	<u> </u>	00	<del></del>				•						
								EXPO	SURE LI	MITS IN	AIR (mg	g/m³)	
					AC	GIH		NOHSC			OSHA		
					pp	m		ppm			ppm		
							ES-	ES-	ES-				
CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	TWA	STEL	PEAK	PEL	STEL	IDLH	OTHER
ETHYL METHACRYLATE	97-63-2	OZ4550000	202-597-5	60-100	(15)	NA	NF	NF	NF	(10)	NA	NA	
ETHTEMETHACKTLATE	Flam. Liq. 2, SI	kin Irrit. 2, Skin Se	ens. 1, Eye Irrit. 2	2, STOT S	E 3; H2	25, H31	5, H31	7, H319	9, H335				
HYDROXYPROPYL	27813-02-1	UD3442500	248-666-3	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
METHACRYLATE	Skin Sens. 1; E	ye Irrit 2; STOT	SE 3; H317, H3	19, H335									
GLYCOL HEMA-METHACRYLATE	97-90-5	OZ4400000	202-617-2	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
GLYCOL HEMA-METHACKYLATE	Skin Sens. 1, STOT SE 3; H317, H335												
DIMETHYLTOLYLAMINE	99-97-8	XU5803000	202-805-4	0.1-1.0	NA	NA	NF	NF	NF	NA	NA	NA	
DIVIETHTETOLTLAWIINE													
DROMETRIAZOLE	2440-22-4	GO6860000	219-470-5	0.1-1.0	NA	NA	NF	NF	NF	NA	NA	NA	
DROME I RIAZULE													
VIOLET 2	81-48-1	CB7700000	201-353-5	0.1-1.0	NA	NA	NF	NF	NF	NA	NA	NA	
VIOLETZ		•			•	,	•	,	•	,	,	•	

## 4. FIRST AID MEASURES

4.1	First Aid:	Ingestion:	If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk <b>IMMEDIATELY</b> . If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact Rocky Mountain Poison Control Center at 1-303-623-5716 or the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.
		Eyes:	If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. IF problem persists, seek immediate medical attention.
		Skin:	If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the affected area with plenty of soap and water. Do not wear contaminated clothing until after it has been properly cleaned. If irritation, redness or swelling persists, consult a physician immediately.
		Inhalation:	Remove victim to fresh air at once. If breathing stops, perform artificial respiration at once. Seek immediate medical attention.

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 4.1 SDS Revision Date: 2/8/2016

1.2	Effects of Exposure:	SURES - cont'd Ingestion: If product is swallowed, may cause nausea, vomit	ting and/or diarrhea and central r	nervous system				
-	2.100.0 0. 2.4000.0.	Ingestion: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression.  Eyes: Irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering.						
		Skin: May be irritating to skin in some sensitive individuals, e	. 0.	•				
		Inhalation: Vapors of this product may be slightly irritating to the						
		system. Symptoms of overexposure can include co	oughing, wheezing, nasal congestio	n, and difficult				
		breathing. Inhalation of vapors exceeding the level Information) can cause central nervous system de						
		nausea).	pression (e.g., drowsiness, dizzine	ss, rieadaches				
.3	Symptoms of Overexposure:	Symptoms of skin overexposure may include redness, itching, and						
		may cause redness, itching and watering. The product can cause a upon prolonged or repeated exposure.	allergic skin reactions (e.g., rashes, w	elts, dermatitis				
4	Acute Health Effects:	Moderate irritation to eyes and skin near affected areas. Addit	tionally, high concentrations of var	ors can caus				
		drowsiness, dizziness, headaches and nausea.						
.5	Chronic Health Effects:	None known						
7	Target Organs:  Medical Conditions	Eyes, Skin, Respiratory System.  Pre-existing dermatitis, other skin conditions, and disorders of the	LIEALTH					
.,	Aggravated by Exposure:	target organs (eyes, skin, and respiratory system).	HEALTH	2				
			FLAMMABILITY	3				
			PHYSICAL HAZARDS	2				
			PROTECTIVE EQUIPMENT	В				
			EYES SKIN					
		5. FIREFIGHTING MEASURES	2					
1	Fire & Explosion Hazards:	DANGER! HIGHLY FLAMMABLE LIQUID AND VAPOR. Keep a						
		sparks & open flame. Keep container closed.	away nom neat, it olgarettee,					
2	Extinguishing Methods:	CO <sub>2</sub> , Halon (if permitted), Dry Chemical or Foam.		•				
3	Firefighting Procedures:	This product is a Class IB flammable liquid. When involved in a fire, this product will ignite readily						
		and decompose to produce carbon oxides. Vapors of this product are heavier than air and may						
			are heavier than air and may	232				
		travel to a source of ignition and flash back to a leaking or open cont	t are heavier than air and may tainer.	2 2				
		travel to a source of ignition and flash back to a leaking or open cont First responders should wear eye protection. Structural firefighte protective equipment. Use a water spray or fog to reduce or dire	t are heavier than air and may tainer.  tars must wear SCBAs and full	2 2				
		travel to a source of ignition and flash back to a leaking or open cont First responders should wear eye protection. Structural firefighte protective equipment. Use a water spray or fog to reduce or dire effective in actually extinguishing a fire involving this product.	t are heavier than air and may tainer.  tars must wear SCBAs and full	2 2				
		travel to a source of ignition and flash back to a leaking or open cont First responders should wear eye protection. Structural firefighte protective equipment. Use a water spray or fog to reduce or dire effective in actually extinguishing a fire involving this product.  HazChem Code: 3WE	t are heavier than air and may tainer.  tars must wear SCBAs and full	2 2				
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		travel to a source of ignition and flash back to a leaking or open cont First responders should wear eye protection. Structural firefighte protective equipment. Use a water spray or fog to reduce or dire effective in actually extinguishing a fire involving this product.  HazChem Code: 3WE Hazard Identification Number: 33  6. ACCIDENTAL RELEASE MEASU	tare heavier than air and may tainer.  ers must wear SCBAs and full ect vapors. Water may not be	2 2				
5.1	Spills:	travel to a source of ignition and flash back to a leaking or open cont First responders should wear eye protection. Structural firefighte protective equipment. Use a water spray or fog to reduce or dire effective in actually extinguishing a fire involving this product.  HazChem Code: 3WE Hazard Identification Number: 33  6. ACCIDENTAL RELEASE MEASU  Before cleaning any spill or leak, individuals involved in spill cle	tare heavier than air and may tainer.  ers must wear SCBAs and full ect vapors. Water may not be	2 2 2 sonal Protectiv				
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	Spills:  Work & Hygiene Practices:	travel to a source of ignition and flash back to a leaking or open cont First responders should wear eye protection. Structural firefighte protective equipment. Use a water spray or fog to reduce or dire effective in actually extinguishing a fire involving this product. HazChem Code: 3WE Hazard Identification Number: 33  6. ACCIDENTAL RELEASE MEASI  Before cleaning any spill or leak, individuals involved in spill cle Equipment. For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate pers Maximize ventilation (open doors and windows) and secure all s absorbent material and place into appropriate closed container(s) for local, state and federal regulations. Wash all affected areas and soap. Remove any contaminated clothing and wash thoroughly befor For large spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unprot material (e.g., sand or earth). Use ONLY non-sparking tools for recrecovery or disposal and solid diking material to separate containers promptly and wash affected skin areas with soap and water. Keep and open bodies of water.  7. HANDLING & STORAGE INFORM Avoid prolonged contact with this material. Avoid breathing the	tare heavier than air and may tainer.  Its must wear SCBAs and full lect vapors. Water may not be lect vapors. Remove spille sources of ignition. Remove spille loor disposal. Dispose of properly in a loot outside of container with plenty of vapore reuse. Rected individuals. Dike and contain covery and cleanup. Transfer liquid is for proper disposal. Remove contains and cleaning runoffs out of materials.	oggles, gloves of material with accordance with accordance with a spill with ine to containers from inated clothin nunicipal sewer the containers from the containers				
		travel to a source of ignition and flash back to a leaking or open cont First responders should wear eye protection. Structural firefighte protective equipment. Use a water spray or fog to reduce or dire effective in actually extinguishing a fire involving this product. HazChem Code: 3WE Hazard Identification Number: 33  6. ACCIDENTAL RELEASE MEASI  Before cleaning any spill or leak, individuals involved in spill cle Equipment. For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate pers Maximize ventilation (open doors and windows) and secure all s absorbent material and place into appropriate closed container(s) for local, state and federal regulations. Wash all affected areas and soap. Remove any contaminated clothing and wash thoroughly before arge spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unprotent material (e.g., sand or earth). Use ONLY non-sparking tools for recrecovery or disposal and solid diking material to separate containers promptly and wash affected skin areas with soap and water. Keep and open bodies of water.  7. HANDLING & STORAGE INFORM Avoid prolonged contact with this material. Avoid breathing the ventilated location (e.g., local exhaust ventilation, fans). Wash expo	tare heavier than air and may tainer.  It is must wear SCBAs and full act vapors. Water may not be the vapors. Water may not be some protective equipment (e.g., go sources of ignition. Remove spille or disposal. Dispose of properly in a coutside of container with plenty of voter reuse.  It is the vapors of the vapor disposal. Dike and contain covery and cleanup. Transfer liquid as for proper disposal. Remove contains of spills and cleaning runoffs out of materials.	oggles, gloves and material wit accordance wit warm water an an spill with ine to containers from inated clothin nunicipal sewer use in a wel ap & water after				
		travel to a source of ignition and flash back to a leaking or open cont First responders should wear eye protection. Structural firefighte protective equipment. Use a water spray or fog to reduce or dire effective in actually extinguishing a fire involving this product. HazChem Code: 3WE Hazard Identification Number: 33  6. ACCIDENTAL RELEASE MEASI  Before cleaning any spill or leak, individuals involved in spill cle Equipment. For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate pers Maximize ventilation (open doors and windows) and secure all s absorbent material and place into appropriate closed container(s) for local, state and federal regulations. Wash all affected areas and soap. Remove any contaminated clothing and wash thoroughly befor For large spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unprot material (e.g., sand or earth). Use ONLY non-sparking tools for recrecovery or disposal and solid diking material to separate containers promptly and wash affected skin areas with soap and water. Keep and open bodies of water.  7. HANDLING & STORAGE INFORM Avoid prolonged contact with this material. Avoid breathing the	tare heavier than air and may tainer.  It is must wear SCBAs and full act vapors. Water may not be the vapors. Water may not be some protective equipment (e.g., go sources of ignition. Remove spille or disposal. Dispose of properly in a coutside of container with plenty of voter reuse.  It is the vapors of the vapor disposal. Dike and contain covery and cleanup. Transfer liquid as for proper disposal. Remove contains of spills and cleaning runoffs out of materials.	oggles, gloves and material wit accordance wit warm water an an spill with ine to containers furninated clothin nunicipal sewel.  Use in a wel ap & water after				
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11.3

11.4

11.5

Acute Toxicity

Chronic Toxicity

Suspected Carcinogen:

See Section 4.4

See Section 4.5

No

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SAFETY DATA SHEET SDS-024 Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 4.1 SDS Revision Date: 2/8/2016 8. EXPOSURE CONTROLS & PERSONAL PROTECTION Exposure Limits ACGIH NOHSC OTHER ppm (mg/m<sup>3</sup>) FS. FS. STEL STEL CHEMICAL NAME(S) TWA STEL PEAK PFI IDLH ETHYL METHACRYLATE (15) NF NF NF NA (10) NA NA 8.2 Ventilation & Engineering When working with large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans). Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes 8.3 Respiratory Protection: No special respiratory protection is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR §1910.134, applicable U.S. State regulations, or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC member States, or Australia. Eye Protection: Avoid eye contact. None required under normal conditions of use. However, may cause irritation in some sensitive individuals. Depending on the use of this product, splash or safety glasses may be worn. If necessary, refer to U.S. OSHA 29 CFR §1910.133, Canadian standards, or the European Standard EN166. When handling large quantities (e.g., ≥ 1 gallon), safety glasses with side shields should be used. AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL. If anticipated that prolonged & Hand Protection: 8.5 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 AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL. However, no special body Body Protection: 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: Clear, colorless liquid 9.2 Mild acrylic odor 9.3 Odor Threshold: NA 9.4 :Ha NA 9.5 Melting Point/Freezing Point: NA 9.6 Initial Boiling Point/Boiling 117 °C (243 °F) Range: 9.7 Flashpoint: 21 °C (70 °F), closed cup 9.8 Upper/Lower Flammability NΑ 9.9 Vapor Pressure NA Vapor Density: 9.10 > 1.0 (air = 1.0)9.11 Relative Density: 0.918 9.12 Solubility Slightly soluble 9.13 Partition Coefficient (log Pow): NA 9.14 Autoignition Temperature: NA 9.15 Decomposition Temperature: NA 9.16 Viscosity: NA Other Information: 9.17 NA 10. STABILITY & REACTIVITY Stability: 10.1 Relatively stable under ambient conditions when stored properly. 10.2 Hazardous Decomposition If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic Products: gases (e.g., oxides of carbon & nitrogen). Hazardous Polymerization: 10.3 Will not occur. 10.4 Conditions to Avoid: Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks, flame 10.5 Incompatible Substances: Strong oxides, peroxides or strong acids 11. TOXICOLOGICAL INFORMATION Absorption: YES Ingestion: YES 11.1 Routes of Entry: 11.2 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. This data has not been presented in this document

0.61

# **SAFETY DATA SHEET**

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 4.1 SDS Revision Date: 2/8/2016 11. TOXICOLOGICAL INFORMATION - cont'd 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. However, animal mutation data are available for the components of this product Embryotoxicity: This product is not reported to produce embryotoxic effects in humans. Teratogenicity: This product is not reported to produce teratogenic effects in humans. Reproductive Toxicity: This product is not reported to produce reproductive effects in humans Irritancy of Product: 11.7 See Section 4.3 Biological Exposure Indices: 11.8 NE 119 Physician Recommendations: Treat symptomatically. 12. ECOLOGICAL INFORMATION 12.1 Environmental Stability This product will slowly volatile from soil. Components of this product will slowly decompose into organic compounds. 12.2 Effects on Plants & Animals: There are no specific data available for this product. 12.3 Effects on Aquatic Life: There are no specific data available for this product. However, releases of large volumes may be harmful or fatal to overexposed aguatic life. Aquatic toxicity data for components of this product are available, but are not presented in this SDS. 13. DISPOSAL CONSIDERATIONS 13.1 Waste Disposal: Waste disposal must be in accordance with appropriate Federal, state, and local regulations. Special Considerations U.S. EPA Characteristic Waste: D001 (characteristic - ignitable) 13.2 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) UN2277, ETHYL METHACRYLATE, STABILIZED, 3, II, LTD QTY (IP VOL ≤ 1.0 L) or CONSUMER COMMODITY, ORM-D - until 01/01/2021 IATA (AIR): 14 2 UN2277, ETHYL METHACRYLATE, STABILIZED, 3, II ID8000, CONSUMER COMMODITY, 9 (IP VOL ≤ 0.5 L) IMDG (OCN): 14.3 UN2277, ETHYL METHACRYLATE, STABILIZED, 3, II, LTD QTY (IP VOL ≤ 1.0 L) TDGR (Canadian GND): 14.4 UN2277, ETHYL METHACRYLATE, STABILIZED, 3, II, LTD QTY (IP VOL ≤ 1.0 L); or "LIMITED QUANTITY" or "QUANTITÉ LIMITÉE" or "LTD QTY" or "QUANT LTÉE" (≤ 1.0 L) 14.5 ADR/RID (EU): UN2277, ETHYL METHACRYLATE, STABILIZED, 3, II, LTD QTY (IP VOL ≤ 1.0 L) 14.6 SCT (MEXICO): UN2277, ETIL METACRILATO, STABILIZADO, 3, II, CANTIDAD LIMITADA (IP VOL ≤ 1.0 L) 14.7 ADGR (AUS): UN2277, ETHYL METHACRYLATE, STABILIZED, 3, II, LTD QTY (IP VOL ≤ 1.0 L) 15. REGULATORY INFORMATION SARA Reporting 15.1 This product does not contain any substances subject to SARA Title III, Section 313 reporting requirements. Requirements 15.2 SARA Threshold Planning There are no specific Threshold Planning Quantities for the components of this product. Quantity: TSCA Inventory Status: 15.3 The components of this product are listed on the TSCA Inventory. CERCLA Reportable Quantity 15.4 Ethyl Methacrylate: 454 kg (1,000 lbs) 15.5 Other Federal Requirements: This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G

This product has been classified according to the hazard criteria of the CPR and the Safety Data Sheet 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 B2, D2B (Flammable Liquid, Other Toxic Effects)

(Cosmetics).

15.6

Other Canadian Regulations:

# $O \cdot P \cdot I$

# **SAFETY DATA SHEET**

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

SDS Revision: 4.1

SDS Revision Date: 2/8/2016

		15. REGULATORY INFORMATION – conf	
15.7	State Regulatory Information:	Ethyl Methacrylate is found on the following state criteria lists: Florida Hazardous Substances List (MA), Pennsylvania Right-to-Know List (PA), (WI)  Dimethyltolyamine is listed on the following state criteria list: NJ, PA.	
		Glycol Hema-Methacrylate is listed on the following state criteria list: NJ, PA	L.
		No other ingredients in this product, present in a concentration of 1.0% or gi	
		criteria lists: California Proposition 65 (CA65), Delaware Air Quality Mana List (FL), Massachusetts Hazardous Substances List (MA), Michigan Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), Nennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WI).	gement List (DE), Florida Toxic Substances Critical Substances List (MI), Minnesota New York Hazardous Substances List (NY),
15.8	Other Requirements:	The primary components of this product are listed in Annex I of EU Directive	
		Ethyl Methacrylate: Flammable, Irritant (F, Xi). Risk Phrases (R): 11-36/37 Irritating to eyes, respiratory system and skin. Safety Phrases (S): 2-16-23 reach of children. Keep away from sources of ignition - No smoking. Do vapor or spray. Do not empty into drains. Take precautionary measures aga Glycol Hema-Methacrylate: Irritant (Xi). Risk Phrases (R) 37-43 – Wear suffice use a water spray or fog to reduce or direct vapors. Water may not extinguishing a fire involving this product. Safety Phrases (S) 2-24-37 shildren. Avaid contact with eyes. Wear suitable gloves	-29-33 – Keep out of the not breathe gas, fumes, inst static discharges. litable gloves. In case of the effective in actually
		children. Avoid contact with eyes. Wear suitable gloves.	
		40 OTHER INCORMATION	
		16. OTHER INFORMATION	
		CAUSE AN ALLERGIC SKIN REACTION. CAUSES SERIOUS EYE IR IRRITATION. Use only as directed. Discontinue use if irritation develops. surfaces – No Smoking. Keep container tightly closed. Take precautional breathing fume/mist/vapors/spray. Wash exposed skin areas thoroughly protective gloves/eye protection/face protection. IF ON SKIN: Wash w continuously with water for several minutes. Remove contact lenses if prese irritation or a rash occurs – Get medical advice/attention. Store in a well-v directions and Safety Data Sheet (available through your supplier) for use. of adverse reaction occur, discontinue use immediately. Use only in a we expels vapors to the outdoors is recommended. KEEP OUT OF REACH ONLY!	Keep away from heat/sparks/open flame/hot ry measures against static discharge. Avoid with soap and water after handling. Wear with soap and water. IF IN EYES: Rinse ent and easy to do – continue rinsing. If skin entilated place. Keep cool. Precisely follow Avoid skin contact. If redness or other signs ell-ventilated area. A ventilation system that
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.	
16.3	Disclaimer:	This Safety Data Sheet is offered pursuant to OSHA's Hazard Communical government regulations must be reviewed for applicability to this product. The information contained herein is reliable and accurate as of this date; however, is not guaranteed and no warranties of any type, either expressed or implied herein relates only to the specific product(s). If this product(s) is comproperties must be considered. Data may be changed from time to time.	to the best of ShipMate's & OPI's knowledge, owever, accuracy, suitability or completeness ed, are provided. The information contained abined with other materials, all component
16.4	Prepared for:	OPI Products, Inc.  13034 Saticoy Street  No. Hollywood, CA 91605 USA  Tel: +1 (818) 759-2400  Fax: +1 (818) 759-5776  http://www.opi.com	I
16.5	Prepared by:	ShipMate, Inc.	
		P.O. Box 787	
		P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600  Tel: +0 (310) 370-3600	nte"
		Tel: +1 (310) 370-3600	oods
	1	Fax: +1 (310) 370-5700 Training & Co	
		http://www.shipmate.com	nsuting

# **SAFETY DATA SHEET**

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

SDS Revision Date: 2/8/2016

### **DEFINITION OF TERMS**

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

#### **GENERAL INFORMATION:**

CAS No.	Chemical Abstract Service Number

#### **EXPOSURE LIMITS IN AIR:**

ACGIH	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

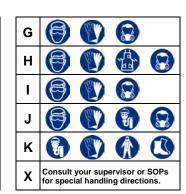
#### HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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

**FLAMMABILITY PHYSICAL HAZARDS** PERSONAL PROTECTION

### PERSONAL PROTECTION RATINGS:

Α			
В			
С		THE STATE OF THE S	
D			
Е			
F			







Splash Goggles



**Full Face Respirator** 



Mask Respirator

Dust & Vapor Half-







Full Face Respirator

Airline Hood/Mask or SCBA

### OTHER STANDARD ABBREVIATIONS:

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

#### 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:**

Minimal Hazard				
1	Slight Hazard			
2	Moderate Hazard			
3	Severe Hazard			
4	Extreme Hazard			
ACD	Acidic			
ALK	Alkaline			
COR	Corrosive			
W	Use No Water			
ох	Oxidizer			
TREFOIL	Radioactive			
•				



#### TOXICOLOGICAL INFORMATION:

LD <sub>50</sub>	Lethal Dose (solids & liquids) which kills 50% of the exposed animals s
LC <sub>50</sub>	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD <sub>io</sub>	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD <sub>Io</sub> , LD <sub>Io</sub> , & LD <sub>o</sub> or	Lowest dose (or concentration) to cause lethal or toxic effects
TC, TC <sub>o</sub> , LC <sub>io</sub> , & LC <sub>o</sub>	
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL <sub>m</sub>	Median threshold limit
log Kow or log Koc	Coefficient of Oil/Water Distribution

#### **REGULATORY INFORMATION:**

WHMIS	Canadian Workplace Hazardous Material Information System				
DOT	U.S. Department of Transportation				
TC	Transport Canada				
EPA	U.S. Environmental Protection Agency				
DSL	Canadian Domestic Substance List				
NDSL	Canadian Non-Domestic Substance List				
PSL	Canadian Priority Substances List				
TSCA	U.S. Toxic Substance Control Act				
EU	European Union (European Union Directive 67/548/EEC)				
WGK	WGK Wassergefährdungsklassen (German Water Hazard Class)				

### WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

0	<b>(*)</b>	<b>(4)</b>	(3)	$\odot$	(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

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

		M	*		<b>\$</b>	×	×
С	E	F	N	0	Т	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

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

			$\Diamond$			$\diamondsuit$		<b>(</b>
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment