MATERIAL SAFETY DATA SHEET

Page 1 of 7

MSDS-021

пср	arca to Osrii t,	ACC, ANSI, NOTISC, WHIVII	3 & 2001/30 EC Stario	arus I ivi	DD3 REVISION. 3.1	IVISDS	Revision Date. 09/13	7/2010
			1. PRODUCT	IDENTI	ICATION			
1.1	Product Name:							
	CLARITÉ	BY OPI LIQUID MO	NOMER					
1.2	Chemical Name:							
	METHACRYLAT	E SOLUTION						
1.3	Synonyms:							
	NA							
1.4	Trade Names: AO (801, 802,	804, 806, 807, 808, 880)						
1.5	Product Use:							
		L OR SUNDRY USE ONLY						
1.6	Manufacturer's Na							
	OPI PRODUCTS	•						
1.7	Manufacturer's Ac	ddress: Y STREET, NO. HOLLYWOOD	CA 0140E USA					
1.8	Emergency Phone		7, CA 71605 USA					
1.0		: : +1 (703) 527-3887 / +	F1 (8UU) 434-03UU	1				
1.9	Business Phone:	11 (703) 327-3007 /	11 (000) 424-7300					
1.9		400 / +1 (800)-341-9999						
Į.	11 (010) 707 2	400 / 11 (000) 041 7777						
			2. HAZARD	IDENITIE	ICATION			
			Z. HAZAKU	IDENIIL	ICATION			
2.1	Hazard Identificati		OUR CURSTANCE but	NOT D	NCEROUS COORS			
	NOHSC: 1088	s classified as a HAZARDO (2004) and ADG Code (Au		NOI as DA	INGEROUS GOODS (iccording	to the classification	criteria or
2.2	Routes of Entry:		Inhalation:	YES	Absorption:	YES	Ingestion:	YES
2.3	Effects of Exposure							
	INGESTION:	If product is swallowed, m	•	•	-			
	SKIN & EYES:	Moderately irritating to the						
		May be irritating to skin, rashes, welts, dermatitis)				can caus	e allergic skin reac	nons (e.g.,
	INHALATION:	-	· ·	_		d other tis	sues of the respirato	ary system
	INITIALATION.	Symptoms of overexposu						
		concentrated vapors can						
2.4	Symptoms of Over							
		skin overexposure may ir						
	redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.							
2.5	Acute Health Effect							
2.5		ation to eyes and skin nea	r affected areas Ada	ditionally t	iah concentrations o	f vapors c	an cause drowsiness	s dizziness
	headaches a			,,,	g			,,,
2.6	Chronic Health Effe	ects:						
		health effects are known.						
2.7	Target Organs:							
	Eyes, skin & re	spiratory system.						
NA =	Not Available:	ND = Not Determined; NE	= Not Established; C :	= Ceilina Li	mit; See Section 16 fc	r Addition	al Definitions of Term	s Used

NA = Not Available; ND = Not Determined; NE = Not Established; C = Ceiling Limit; See Section 16 for Additional Definitions of Terms Used NOTE: all WHMIS required information is included. It is located in appropriate sections based on the ANSI Z400.1-2004 format.

MATERIAL SAFETY DATA SHEET

Page 2 of 7

MSDS-021

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

MSDS Revision: 3.1

MSDS Revision Date: 09/15/2010

			0011500	TIAN	ODED:::::			T) C -				1			
		3.	COMPOS	ITION & IN	GREDIEN'	INFO	RMA	MOITA					(ma s: /:	- 3)	
							AC	GIH		NOHSO	LIMITS I	N AIR	mg/m) OSHA		
								om.		ppm			ppm		OTHER
	CHEMICAL NA	ME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES- TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH	
	OXYDIGLYCOL ACRYLATE		45103-58-0	KK5075000	256-190-2	≤ 80.0	NA	NA	NF	NF	NF	NA	NA	NA	
HYDR (HEM	OXYETHYL METH A)	IACRYLATE	868-77-9	OZ4725000	212-782-2	≤12.0	NA	NA	NF	NF	NF	NA	NA	NA	
GLYCOL HEMA-METHACRYLATE 97-90-5 OZ44000			OZ4400000	202-617-2	≤ 3.0	NA	NA	NF	NF	NF	NA	NA	NA		
DIHY	DROXYETHYL TO	LUIDINE	3077-12-1	NA	201-297-1	≤ 2.0	NA	NA	NF	NF	NF	NA	NA	NA	
DROA	METRIZOLE		2440-22-4	GO6860000	219-470-5	≤ 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
BUTYL (BHT)	LATED HYDROXY	TOLUENE	128-37-0	GO7875000	204-881-4	≤ 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
CI 60	730 (EXT. VIOLET	2)	4430-18-6	NA	224-618-7	≤ 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
				4. F	IRST AID I	MEASU	JRES								
4.2	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. 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. Remove contaminated clothing and wash thoroughly before reuse. If irritation, redness or swelling persists, consult a physician immediately. 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 irritation persists seek immediate medical attention. INHALATION: Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention. Medical Conditions Aggravated by Exposure: Pre-existing dermatitis, other skin conditions, and disorders of the target organs (eyes,														
	skin, respirator	., ., .,						_	REAC		BILIT TY				2 2
											IVE E	QUII	PMEI		- В
									EYES	S	KIN				
										•		•		•	
5.1	Flashpoint & Metho	od:		5. FIR	EFIGHTIN:	G MEA	ASUR	FS							
5.1	82 °C (180 °F),)												
5.2	Autoignition Tempe														
5.3	Flammability Limits:	:		Lower Explos	sive Limit (LEL):	<u> </u>	NE	l	Jpper	Explosi	ive Lim	it (UEL)): NE		
5.4	Fire & Explosion Ha. When involved		is product may		, ,		ases (e	e.g C0	D, CO ₂	, NO _∗).		· · · · ·	_		
5.5	Extinguishing Meth		. ,	J	p 222 .	9	(0	.g., 5	, 302	, 					
	Water, Foam,	CO ₂ , Dry Cho	emical											_	
5.6	Firefighting Proced First responde and MSHA/NIG entering storm contaminated	rs should we OSH-approv n drains, bo	ed self-contai dies of water,	ned breathing	apparatus. If	f possible sensitive	e, prev	ent run	off wa	ter fro	m				

MATERIAL SAFETY DATA SHEET

Page 3 of 7

MSDS-021

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

MSDS Revision: 3.1

MSDS Revision Date: 09/15/2010

6. ACCIDENTAL RELEASE MEASURES

6.1 Spil

Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment.

For small spills (e.g., <1 gallon) 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 & Hygiene Practices:

Avoid prolonged contact with this material. Limit inhalation of the vapors generated by this product. Use in a well-ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap & water after using this product. Do not eat, drink, or smoke while handling this product.

7.2 Storage & Handling:

Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from excessive heat, open flames, sparks, and other possible sources of ignition. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. Keep away from children at all times!

7.3 Special Precautions:

Local exhaust ventilation is recommended.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 Ventilation & Engineering Controls:

Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station).

8.2 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.

8.3 Eye Protection

Avoid eye contact. None required under normal conditions of use. However, may cause irritation in some sensitive individuals. When handling large quantities (e.g., ≥ 1 gallon), safety glasses with side shields should be used.

8.4 Hand 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.

8.5 Body Protection:

No apron required when handling small quantities.

When handling large quantities (e.g., \geq 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.

MATERIAL SAFETY DATA SHEET

Page 4 of 7 **MSDS-021**

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 3.1 MSDS Revision Date: 09/15/2010

	ared to OSHA, ACC, ANS					
		9. PHYSICAL & CHEMICAL PROPERTIES				
.1	Density:	0.918				
2	Boiling Point:	117°C (243°F)				
3	Melting Point:	NA NA				
4	Evaporation Rate:	NA NA				
5	Vapor Pressure:	NE NE				
6	Molecular Weight:	NE NE				
7	Appearance & Color:	Clear liquid with a mild acrylic odor.				
8	Odor Threshold:	NA				
9	Solubility:	Slightly soluble.				
10	Hq	NA				
11	Viscosity:	NE NE				
12	Other Information:	Vapor Density: > 1.0 (air = 1.0)				
12	Other Information.	Vapor Densily. > 1.0 (dii = 1.0)				
		10. STABILITY & REACTIVITY				
).1	Stability:	ambient conditions when stored properly.				
1.2	Hazardous Decomposition Produ					
		high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g				
	oxides of carbon & nitro					
.3	Hazardous Polymerization:					
	Will not occur.					
.4	Conditions to Avoid:					
).5		extreme temperatures, incompatible chemicals, strong light sources, sparks, flame.				
).5	Incompatible Substances: Strong oxides, peroxides or strong acids.					
	onong oxides, peroxides	or strong dotas.				
		11. TOXICOLOGICAL INFORMATION				
1.1	Toxicity Data:					
		een tested on animals to obtain toxicological data. There are toxicology data for the components of the dinthe scientific literature. These data have not been presented in this document.				
1.2	Acute Toxicity:					
	See Section 2.5					
1.3	Chronic Toxicity:					
	No long-term health effe	ects are known.				
.4	Suspected Carcinogen:					
1.5	No Reproductive Toxicity:					
.5		ed to produce reproductive toxicity in humans.				
	Mutagenicity:					
ŀ	This product is not report Embryotoxicity:	ed to produce mutagenic effects in humans.				
J	This product is not report	ed to produce embryotoxic effects in humans.				
-	Teratogenicity:	red to produce teratogenic effects in humans.				
-	This product is not report	ed to produce relatingenic enects in normalis.				
	This product is not report Reproductive Toxicity:	red to produce reproductive effects in humans.				
1.6	This product is not report Reproductive Toxicity:					
1.6	This product is not report Reproductive Toxicity: This product is not report					
	This product is not report Reproductive Toxicity: This product is not report Irritancy of Product: See Section 2.3 Biological Exposure Indices:					
1.6	This product is not report Reproductive Toxicity: This product is not report Irritancy of Product: See Section 2.3					

MATERIAL SAFETY DATA SHEET

Page 5 of 7

MSDS-021

Prep	epared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS	S Revision: 3.1	MSDS Revision Date: 09/15/2010
	12. ECOLOGICAL INFO	RMATION	
12.1	1 Environmental Stability:		
	This product will slowly volatile from soil. Components of this product will slo	owly decompose i	nto organic compounds.
12.2	2 Effects on Plants & Animals:		
	There is no specific data available for this product.		
12.3	·		
	There is no specific data available for this product. However, releases of		
	aquatic life. Aquatic toxicity data for components of this product are avail	iable, but are not p	resented in this MSDS.
	10 DICDOCAL CONCIDE	-DATIONIC	
	13. DISPOSAL CONSIDE	EKAHON3	
13.1	'	II C FDA Chamach	oriskia Wassia (DOO1 (flamensahla)
13.2	Dispose in accordance with local, state and Federal hazardous waste laws Special Considerations:	s. U.S. EPA Charact	eristic waste: DOUT (tiammable)
13.2	NA		
	III.		
	1 A TRANSPORTATION INC	C DAA A TI O NI	
	14. TRANSPORTATION INF	OKMATION	
	e basic description (ID Number, proper shipping name, hazard class & division		
	dditional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG	G, SCI, ADGR and the	ne CIDGR.
14.1			
14.2	NOT REGULATED 2 IATA (AIR):		
14.2	NOT REGULATED		
14.3			
	NOT REGULATED		
14.4			
	NOT REGULATED		
14.5	ADR/RID (EU):		
	NOT REGULATED		
14.6			
	NOT REGULATED		
14.7			
	NOT REGULATED		
	15 DECILIATORY INICOL	DAAATION	
	15. REGULATORY INFO	KMAIION	
15.1	SARA Reporting Requirements: NA		
15.2			
10.2	NA		
15.3			
	All components of this product are listed in the TSCA Inventory or are exem	ıpt.	
15.4	4 CERCLA Reportable Quantity (RQ):		
	NA		
15.5	· ·		
	This product complies with the appropriate sections of the Food and Drug A	Administration's 21	CFR subchapter G (Cosmetics).
15.6	ů .	D 4 446D6	
	This product has been classified according to the hazard criteria of the CPI the information required by the CPR. The components of this product are		
	of the components of this product are listed on the Priorities Substances List		issa: None
15.7	•		
	None of the ingredients in this mixture are found on any of the state criteria	lists.	
15.8	8 67/548/EEC (European Union) Requirements:		
	The primary component of this product is listed in Annex I of EU Directive 67		
	Hydroxyethyl Methacrylate: Irritant (Xi). R: 36/37/38-43 -Irritating to eyes,		
	May cause sensitization by skin contact. S: 2-9-29 – Keep out the reach of well-ventilated place. Do not empty into drains.	cniiaren. Keep co	niainer in a

MATERIAL SAFETY DATA SHEET

Page 6 of 7

MSDS-021

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

MSDS Revision: 3.1

MSDS Revision Date: 09/15/2010

16. OTHER INFORMATION

16.1 Other Information:

Precisely follow directions and MSDS (available through your supplier) for use. **Avoid skin contact**. If redness or other signs of adverse reaction occur, discontinue use immediately. Use only in a well ventilated area. A ventilation system that expels vapors to the outdoors is recommended. **Keep out of reach of children.** In case of emergency, contact your physician or local Poison Control Center immediately. FOR PROFESSIONAL USE ONLY!

16.2 Terms & Definitions:

Please see last page of this MSDS.

16.3 Disclaimer

This Material Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate's & OPI Products' knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.

16.4 Prepared for:

OPI Products, Inc. 13034 Saticoy Street No. Hollywood, CA 91605 USA +1 (818) 759-2400 phone +1 (818) 759-5770 fax http://www.opi.com/

 $0.9 \cdot 1$

16.5 Prepared by:

ShipMate, Inc. PO Box 787 Sisters, OR 97759-0787 USA Phone: +1 (310) 370-3600 Fax: +1 (310) 370-5700

e-mail: shipmate@shipmate.com



MATERIAL SAFETY DATA SHEET

Page 7 of 7

MSDS-021

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

MSDS Revision: 3.1

MSDS Revision Date: 09/15/2010

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

FIRST AID MEASURES:

CPR	Cardiop	ulmona	ry resu	uscitation -	method in	which a	person
	whose	heart	has	stopped	receives	manual	chest
	compre	ssions a	nd bre	eathing to d	circulate blo	ood and p	orovide
	oxygen	to the b	odv.				

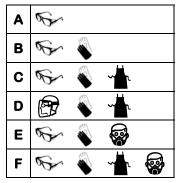
HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

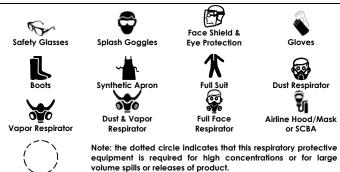
0	Minimal Hazard	
1	1 Slight Hazard	
2	Moderate Hazard	
3	3 Severe Hazard	
4	Extreme Hazard	



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

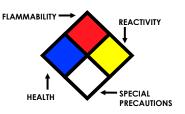
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition	Minimum temperature required to initiate combustion
Temperature	in air with no other source of ignition
LEL	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
-₩ -	Use No Water
OX	Oxidizer



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	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:

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)						

EC INFORMATION:

T.		M	*		9	×	X
С	E	F	N	0	T+	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful