MATERIAL SAFETY DATA SHEET

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Prep	pared to OSHA, ACC, ANSI, N	WHMIS & 2001	/58 EC Standa	irds	MSDS	S Revision: 1	.0	MSDS	Revision D	oate: 01/0	1/2005
			1 PRO	DUCT IDE	NTIFIC	CATION					
1.1	Product Name: BONDEX		1. 1 KO	DOCT IDE	1411111	CAHON					
1.2	Chemical Name:										
1.3	SOLVENT MIXTURE Synonyms:										
1.4	NA Trade Names: BB034, BB032, BB031, BB030										
1.5	Product Use: COSMETIC USE ONLY										
1.6	Manufacturer's Name: OPI PRODUCTS, INC.										
1.7	Manufacturer's Address: 13034 SATICOY STREET, NO	. HOLLYWOOI	D, CA 91605 US	SA							
1.8	Emergency Phone: CHEMTREC: (703) 527	'-3887									
1.9	Business Phone: (818) 759-2400										
		2 COI	MPOSITIOI	NEINCE	FDIFN	IT INFO	ΡΑΑ Δ ΤΙ	ON			
		2. 001	VII 0311101	I & IIIOK	LDILI	11 1141 01		OSURE LIM	ΠΑ INI 2TI	(ma/m³)	
						ACGIH	l - ppm		OSHA - pp		OTHER
	CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	PEL	STEL	IDLH	O III I
THY	L ACETATE	141-86-4	AH5425000	205-500-4	≤ 80.0	400	NE	400	NE	2000	400 TWA
METH MALE	ACRYOYLOXYETHYL EATE	51978-15-5	NA	257-569-5	≤ 10.0) NE	NE	NE	NE	NE	
HYDR	OXYETHYL METHACRYLATE	868-77-9	OZ4725000	212-782-2	≤ 10.0	10	NA	10	NA	NA	
	= Not Available; ND = Not De E: all WHMIS required inform				•						ns Used
			3. HAZ	ARD IDEN	NTIFIC	CATION					
3.1	Hazard Identification: NA										
3.2	Routes of Entry: Effects of Exposure:		Inhalation:	YES	A	Absorption:		YES	Ingestio	n:	YES
	INGESTION: If product is SKIN & EYES: Mildly to m watering. MINHALATION: Vapors of Symptoms vapors excessive depth.	noderately irri May be irritatir this product of overexposs seeding the lo	nay cause nat tating to the e ng to skin in so may be sligh ure can includ evels listed in drowsiness, di	eyes. Symptome sensitive in the sensitiv	oms of ndividu to the wheezir	overexposicals, especience, throcong, nasal continuity	ure may ally after at and c ongestio	r include in prolonge other tissun, and diff	redness, i d and/or es of the iculty bre	tching, irr repeated respirate athing. Ir	itation and contact. ory system. Inalation of
3.4	Symptoms of Overexposure: Symptoms of skin overe: Overexposure in eyes may	•			may in	ıclude redi	ness, itc	hing, and	l irritation	of affec	ted areas.
3.5	Overexposure in eyes may cause redness, itching and watering. Acute Health Effects: Mild to moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.										
ა.0	Chronic Health Effects: None known.										
3.7	Target Organs: Eyes, skin & respiratory sys	item.									

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4. FIRST AID MEASURES First Aid: 4.1 INGESTION: If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact 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: Splashes are not likely; however, 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 occurs, contact a physician. If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of SKIN: the effected area with soap and water. Do not wear contaminated clothing until after it has been properly cleaned. If irritation, redness or swelling persists, contact a physician immediately. Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention. 4.2 Medical Conditions Aggravated by Exposure: **HEALTH** 1 None known. **FLAMMABILITY** 3 REACTIVITY 1 PROTECTIVE EQUIPMENT A **EYES** 5. FIREFIGHTING MEASURES 5.1 Flashpoint & Method: -3°C (26°F) TCC 5.2 Autoignition Temperature: ND Flammability Limits: 5.3 2.2% Upper Explosive Limit (UEL): 11.4% Lower Explosive Limit (LEL): WARNING: Flammable! Keep away from heat, lit cigarettes, sparks & open flame. Keep container closed. When heated above the flashpoint, emits flammable vapors which, when mixed with air, can burn or ve explosive. Mists or sprays may be flammable at temperatures below the flashpoint. 5.5 Extinguishing Methods CO₂, Halon, Dry Chemical, Foam 5.6 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 travel to a source of ignition and flash back to a leaking or open container. First responders should wear eye protection. Structural firefighters must wear SCBAs and full protective equipment. Use a water spray or fog to reduce or direct vapors. Water may not be effective in actually extinguishing a fire involving this product. 6. ACCIDENTAL RELEASE MEASURES

6.1 Spills:

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.

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7. HANDLING & STORAGE INFORMATION Work & Hygiene Practices: Avoid prolonged contact with the product. Avoid breathing vapors of 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. 7.2 Storage & Handling Keep this material away from heat, sparks and open flame. 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. 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: 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 2 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. 8.3 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 None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., ≥ 1 gallon), wear rubber or impervious plastic gloves. 8.5 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. 9. PHYSICAL & CHEMICAL PROPERTIES Density: 0.902 92 Boiling Point: 172°F 9.3 Melting Point NA 9.4 Evaporation Rate: NΔ 9.5 Vapor Pressure NΑ 9.6 Molecular Weight: NA 9.7 Appearance & Color: Clear liquid with characteristic fragrant, fruity odor. Odor Threshold 9.8 99 Solubility: Slightly miscible with water. 9.10 рΗ NΑ 9.11 Viscosity Non-viscous. 9.12 Other Information: NA 10. STABILITY & REACTIVITY Stability 10.1 Stable under ambient conditions when stored properly (see Section 7, Storage and Handling) 10.2 Hazardous Decomposition Products: If exposed to extremely high temperatures, the products of thermal decomposition may include irritating vapors and carbon oxide gases (e.g., CO, CO2). 10.3 Hazardous Polymerization: May occur, if exposed to extremely high temperatures. Conditions to Avoid None reported. 10.5 Incompatible Substances: 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).

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		11. TOXICOLOGIO	CAL INFORMATION	
11.1	Toxicity Data:		duct, which are found in the	ological data. There are toxicology data scientific literature. These data have not
11.2	Acute Toxicity:	See Section 3.5		
11.3	Chronic Toxicity:	Chronic Toxicity: See Section 3.6		
11.4	Suspected Carcinogen:	No		
11.5	Reproductive Toxicity:	This product is not reported to o	ause reproductive toxicity in	humans.
	Mutagenicity:	This product is not reported to p	roduce mutagenic effects in	humans.
	Embryotoxicity:	This product is not reported to p	roduce embryotoxic effects	in humans.
	Teratogenicity:	This product is not reported to c	ause teratogenic effects in h	numans.
	Reproductive Toxicity:	This product is not reported to c	ause reproductive effects in	humans.
11.6	Irritancy of Product:	See Section 3.3		
11.7	Biological Exposure Indices:	NE		
11.8	Physician Recommendations:	Treat symptomatically.		
12.1	Environmental Stability:		AL INFORMATION It will slowly degrade over ti	me into a variety of organic compounds.
			Water solubility: 64,000 m	•
12.2	Effects on Plants & Animals:	There are no specific data avai	lable for this product.	
12.3	Effects on Aquatic Life:	There are no specific data av may be harmful or fatal to over		vever, very large releases of this product
		13. DISPOSAL C	ONSIDERATIONS	
13.1	Waste Disposal:	·		
		iccordance with appropriate Federa	l, state, and local regulations	3.
13.2	Special Considerations:			
	U.S. EFA WASIE NUMBER: DO	01 (characteristic - ignitable)		

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Prepared to OSHA, ACC, ANSI, WHMIS & 2001/58 EC Standards MSDS Revision: 1.0 MSDS Revision Date: 01/01/2005 14. TRANSPORTATION INFORMATION The basic description (proper shipping name, hazard class & division, ID Number, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR. CONSUMER COMMODITY, ORM-D (≤ 1.0 L) ORM-D UN1173, ETHYL ACETATE, 3, II (> 1.0 L) 14.2 IATA (AIR) CONSUMER COMMODITY, 9, ID8000 (≤ 0.5 L) UN1173, ETHYL ACETATE, 3, II (> 0.5 L) 14.3 UN1173, ETHYL ACETATE, 3, II, LTD QTY (≤ 1.0 L) UN1173, ETHYL ACETATE, 3, II (> 1.0 L) 14.4 TDGR (Canadian GND) MARK PACKAGE "LIMITED QUANTITY" or "QUANTITÉ LIMITÉE" or "LTD QTY" or "QUANT LTÉE" (≤ 1.0 L) UN1173, ETHYL ACETATE, 3, II (> 1.0 L) 14.5 ADR/RID (EU): UN1173, ETHYL ACETATE, 3, II, ADR, LTD QTY (≤ 1.0 L) 15. REGULATORY INFORMATION 15.1 SARA Reporting Requirements: SARA 304 (40 CFR Table 302.4) - Ethyl Acetate 15.2 SARA Threshold Planning Quantity There are no specific Threshold Planning Quantities for the components of this product. 15.3 The components of this product are listed on the TSCA Inventory. 15.4 CERCLA Reportable Quantity (RQ): Ethyl Acetate - 5000 lbs Other Federal Requirements: 15.5 This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics). 15.6 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. All components of this product, except Methacryoyloxyethyl Maleate (CAS No. 51978-15-5), are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List. Class B2 Flammable Liquid. State Regulatory Information Ethyl Acetate is covered under specific state criteria. No component of this product is listed on the California Proposition 65 lists. 15.8 67/548/EEC (European Union) Requirements: The primary component of this product is listed in Annex I of EU Directive 67/548/EEC: Ethyl Acetate: Flammable (F). R: 11-36/37/38 – Highly flammable. Irritating to eyes, respiratory system and skin. S: 2-16-23-29-33 – Keep out of the reach of children. Keep away from sources of ignition - No

smoking. Do not breathe gas, fumes, vapor or spray. Do not empty into drains. Take precautionary

measures against static discharges.

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	16. OTHER IN	IFORMATION	
16.1			
	Keep out of reach of children. Do not take internally. Keep awa	ly from heat and open flame).
16.2 Terms & Definitions:			
	See page 8 of this MSDS.		
16.3	3 Disclaimer:		
	This Material Safety Data Sheet is offered pursuant to OSH. government regulations must be reviewed for applicability to the information contained herein is reliable and accurate as of guaranteed and no warranties of any type, either expressed or to the specific product(s). If this product(s) is combined with a may be changed from time to time. Be sure to consult the lates	nis product. To the best of SI this date; however, accur implied, are provided. The other materials, all compone	hipMate's & OPI Products' knowledge, the racy, suitability or completeness are not information contained herein relates only
16.4	Prepared for: OPI Products, Inc. 13034 Saticoy Street No. Hollywood, CA 91605 USA (818) 759-2400 phone (818) 759-5770 fax http://www.opi.com/		
16.5	ShipMate, Inc. 18436 Hawthorne Boulevard, Suite 201 Torrance, CA 90504 310-360-3700 phone	late [®] ous Goods & Consulting	

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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
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
	compress	sions ar	nd bre	eathing to d	circulate blo	ood and p	rovide
	oxygen to	o the bo	ody.				

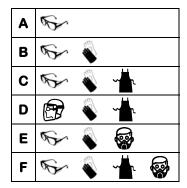
HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

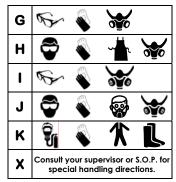
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard	
1	1 Slight Hazard	
2	2 Moderate Hazard	
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

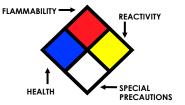
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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
-W-	Use No Water
ОХ	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
LC50	
	exposed animal
ppm	Concentration expressed in parts of material per
	million parts
TD _{lo}	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	DSL Canadian Domestic Substance List	
NDSL	NDSL Canadian Non-Domestic Substance List	
PSL	Canadian Priority Substances List	
TSCA	TSCA U.S. Toxic Substance Control Act	
EU	European Union (European Union Directive 67/548/EEC)	

EC INFORMATION:

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