$\mathbf{O} \cdot \mathbf{P} \cdot \mathbf{I}$ MATERIAL SAFETY DATA SHEET

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MSDS-246

Prep	ared to OSHA, ACC, ANSI, NO	OHSC, WHMIS	& 2001/58 EC :	Standards	MSDS R	evision	: 1.0		MSDS	Revision	on Dat	e: 03/2	21/201	1
			1. PROD	UCT IDEN	ITIFIC	ATIO	N							
1.1	Product Name: GELCOLOR BY OPI	- ALL SHA												
1.2	Chemical Name: SOLVENT MIXTURE													
1.3	Synonyms:													
1.4	Trade Names:													
1.5	GC ### (Various Colors) Product Use:													
1.6	COSMETIC USE ONLY Manufacturer's Name:													
	OPI PRODUCTS, INC.													
1.7	Manufacturer's Address: 13034 SATICOY STREET, NO. I	HOLLYWOOD,	CA 91605 USA											
1.8	Emergency Phone:		. (000) 404											
1.9	CHEMTREC: +1 (703) 52 Business Phone:	27-3887 / +	1 (800) 424-	9300										
1.7	+1 (818) 759-2400 / +1 (800)	-341-9999												
			2. HAZA	RD IDEN	TIFICA	TION	J							
2.1	Hazard Identification:													
	This product is classified as 1008 (2004) and ADG Code				SEROUS (GOODS	acco	rding t	o the o	classific	cation	criterio	of No	OHSC:
2.2	Routes of Entry:		Inhalation:	YES	Ab	sorptio	n:	YES		Inge	estion:	YES	;	
	irritating to sk INHALATION: Vapors of th Symptoms of vapors exce	cin in some ser his product m overexposure eding the leve	mptoms of oversitive individually be slightly e can include els listed in Serowsiness, dizzi	als, especial y irritating to coughing, w ction 2 (Con	ly after potential the	orolong ose, thr nasal and li	ed and oat all conge	d/or re nd oth estion,	peated er tiss and di	d contous ues of	act. the re breatl	espirat hing. I	ory sy	/stem. tion of
2.4	Symptoms of Overexposure: Symptoms of skin overexpomay cause redness, itching			lude redness	, itching	, and i	rritatio	n of a	fected	areas	. Ove	rexpo	sure ir	eyes
2.5	Acute Health Effects:	ana watering	•											
	Mild to moderate irritation t dizziness, headaches and n		din near affect	ed areas. A	dditiona	lly, higl	h cond	entrat	ions of	vapor	s can	cause	drows	siness,
2.6	Chronic Health Effects: None known.													
2.7	Target Organs:													
	Eyes, skin and respiratory sy	rstem.												
		3 COM	POSITION	& INGRE	DIFNT	INFC)RM	ΔΤΙΩ	N					
				l III	DIE!				URE LIA	AITS IN	AIR (m	ng/m³))	
						ACC		ı	NOHSC			OSHA		
						рр	m	ES-	ppm ES-	ES-		ppm		OTHER
	CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	TWA	STEL	PEAK	PEL	STEL	IDLH	
	MA TRIMETHYLHEXYL RBAMATE	72869-86-4	NA	276-957-5	≤ 60.0	NA	NA	NF	NF	NF	NA	NA	NA	
HEMA		868-77-9	OZ4725000	212-782-2	≤ 20.0	NA	NA	NF	NF	NF	NA	NA	NA	
	OXYPROPYL METHACRYLATE	27813-02-1	UD3422500	248-666-3	≤ 15.0	NA	NA	NF	NF	NF	NA	NA	NA	
	THYLBENZOYL NYLPHOSPHINE OXIDE	75980-60-8	NA	278-355-8	≤ 10.0	NA	NA	NF	NF	NF	NA	NA	NA	

NA = Not Available; ND = Not Determined; NE = Not Established; NF = Not Found; 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 Z400.1-2010 format.

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3. C	OMPOSITI	ON & INC	REDIENT	INFO	RMA	TION	l- co	ntinu	Jed				
									MITS IN	AIR (n	ng/m³))	
					AC	GIH	l	NOHSC			OSHA		
					pp	m	FC	ppm	FC		ppm	I	OTHER
CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES- TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH	
HYDROXYCYCLOHEXYL PHENYL KETONE	947-19-3	NA	213-426-9	< 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
POLYSILICONE-13	158451-77-5	NA	NA	< 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
MAY CONTAIN – (Colorants, Shimm	ners, & Color B	lend Compon	ents)	0.0-5.0									
MICA	12001-26-2	VV8760000	310-127-6	NA	NA	NA	(2.5)	NF	NF	30	NA	NA	RESP FRAC
CALCIUM ALUMINUM BOROSILICATE	65997-17-3	NA	266-046-0	NA	NA	NA	NF	NF	NF	NA	NA	NA	
CALCIUM SODIUM BOROSILICATE	NA	NA	NA	NA	NA	NA	NF	NF	NF	NA	NA	NA	
TIN OXIDE	18282-10-5	XQ400000	242-159-0	NA	NA	NA	NF	NF	NF	NA	NA	NA	
SILICA	7631-86-9	VV7565000	231-545-4	NA	(10)	NA	NF	NF	NF	(6)	NA	NA	
RED 6 (CI 15850)	5858-81-1	NA	227-497-9	NA	NA	NA	NF	NF	NF	NA	NA	NA	
RED 7 (CI 15850)	5281-04-9	QJ1975000	226-109-5	NA	NA	NA	NF	NF	NF	NA	NA	NA	
CI 17200 (RED 33)	3567-66-6	NA	222-656-9	NA	NA	NA	NF	NF	NF	NA	NA	NA	
CI 19140 (YELLOW 5)	1934-21-0	UQ6400000	217-699-5	NA	NA	NA	NF	NF	NF	NA	NA	NA	
CI 42090 (BLUE1)	3844-45-9	BQ4725000	223-339-8	NA	NA	NA	NF	NF	NF	NA	NA	NA	
CI 45410 (RED 27)	13473-26-2	NA	236-747-6	NA	NA	NA	NF	NF	NF	NA	NA	NA	
CI 60725 (VIOLET 2)	81-48-1	CB7700000	201-353-5	NA	NA	NA	NF	NF	NF	NA	NA	NA	
CI 73360 (RED 30)	2379-74-0	NA	219-163-6	NA	NA	NA	NF	NF	NF	NA	NA	NA	
CI 75470 (CARMINE)	1390-65-40	FH8891000	215-724-4	NA	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77007 (ULTRAMARINES)	1302-83-6	NA	215-111-1	NA	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77120 (BARIUM SULFATE)	7727-43-7	CR0600000	231-784-4	NA	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77163 (BISMUTH OXYCHLORIDE)	7787-59-9	EB2700000	232-122-7	NA	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77491 (IRON OXIDES)	1309-37-1	NO740000	215-168-2	NA	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77492 (IRON OXIDES)	51274-00-1	NA	257-098-5	NA	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77499 (IRON OXIDES)	1317-61-9	NA	215-277-5	NA	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77510 (FERRIC FERROCYANIDE)	14038-43-8	LJ8200000	237-875-5	NA	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77742 (MANGANESE VIOLET)	10101-66-3	NA	236-591-9	NA	NA	NA	NF	NF	NF	NA	NA	NA	
CI 77891 (TITANIUM DIOXIDE)	13463-67-7	XR2275000	236-675-5	NA	10	NA	NF	NF	NF	10	NA	NA	
SYNTHETIC WAX	8002-74-2	RV0350000	232-315-6	NA	NA	NA	NF	NF	NF	NA	NA	NA	
ISOPROPYL TITANIUM TRIISOSTEARATE	61417-49-0	NA	262-774-8	NA	NA	NA	NF	NF	NF	NA	NA	NA	
HYDROGENATED POLYISOBUTENE	40921-86-6	NA	NA	NA	NA	NA	NF	NF	NF	NA	NA	NA	
PALMITIC ACID	57-10-3	RT4550000	200-312-9	NA	NA	NA	NF	NF	NF	NA	NA	NA	
PHENOXYETHANOL	122-99-6	KM0350000	204-589-7	NA	NA	NA	NF	NF	NF	NA	NA	NA	
BENZOIC ACID	65-85-0	DG0875000	200-618-2	NA	NA	NA	NF	NF	NF	NA	NA	NA	
PEG-12 DIMETHICONE	68937-54-2	NA	NA	NA	NA	NA	NF	NF	NF	NA	NA	NA	
				_									

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		3. C0	OMPOSITI	ON & ING	REDIENT	INFO	RMAI	ION	- co	ntin	ued				
								EXPOSURE LIMITS IN AIR (mg/m³)							
							ACC		NOHSC			OSHA			
							pp	m		ppm			ppm		OTHER
						%			ES-	ES-	ES-				
	CHEMICAL NA	•	CAS No.	RTECS No.	EINECS No.	70	TLV	STEL	TWA	STEL	PEAK	PEL	STEL	IDLH	
	CONTAIN – (Col nued)	orants, Shimm	ners, & Color B	lend Compon	ents	0.0-5.0									
SYNTI	HETIC FLUORPHL	OGOPITE	12003-38-2	NA	234-426-5	NA	NA	NA	NF	NF	NF	NA	NA	NA	
BUTYL	ACETATE		123-86-4	AF7350000	204-658-1	≤55.0	150	200	150	200	NF	200	200	1700	150 TWA
ETHYL	ACETATE		141-78-6	AH5425000	205-500-4	≤50.0	400	400	200	400	NF	NA	NA	2000	400 TWA
NITRO	CELLULOSE		9004-70-0	QW0970000	NA	≤ 25.0	(10)	NE	NF	NF	NF	(10)	NE	NE	
ISOPE	OPYL ALCOHOL	-	67-63-0	NT8050000	200-661-7	< 10.0	400	500	400	500	NF	400	500	2000	400 TWA
GLYC	C ACID/NEOPEN OL/TRIMELLITIC DLYMER		28407-73-0	NA	NA	NA	NA	NA	NF	NF	NF	NA	NA	NA	
STEAR	ALKONIUM HEC	TORITE	94891-33-5	NA	275-126-4	NA	NA	NA	NF	NF	NF	NA	NA	NA	
DIAC	ETONE ALCOHO	L	123-42-2	SA91000000	204-626-7	NA	NA	NA	NF	NF	NF	NA	NA	NA	
	OPHENONE-1		131-56-6	DJ0700000	205-029-4	NA	NA	NA	NF	NF	NF	NA	NA	NA	
	CACID		77-92-9	GE7350000	201-069-1	NA	NA	NA	NF	NF	NF	NA	NA	NA	
TALC (CONTAINING NO ASBESTOS FIBERS)		O ASBESTOS	14807-96-6	VV8780000	238-877-9	NA	2	NA	2.5	NF	NF	2	NA	1000	TOTAL DUST
			•		•		l.								
				4. FIR	ST AID M	EASU	RES								
4.1	First Aid: 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. If irritation occurs, contact a physician. SKIN: If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the effected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately. If spilled on clothes, remove clothes immediately. Remove gel with N.A.S. 99 ®. DO NOT REUSE clothes unless they have been thoroughly laundered.														
1.5	INHALATION:		m to fresh air	at once.											
4.2	Medical Conditions None known.	s Aggravated by E	exposure:						HEAL	.TH					1
									FLAN	۸MA	BILIT'	Y			3
									PHYS	CIA	L HA	ZARI	DS		0
									PRO1	<u> ECT</u>	IVE E	QUI	PMEI	NT	Α
									EYES						

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5. FIREFIGHTING MEASURES

Flashpoint & Method: 5.1

> -4 °C (24 °F) estimated. Autoignition Temperature

5.2

5.3

NA Flammability Limits:

Lower Explosive Limit (LEL):

NE

Upper Explosive Limit (UEL):

NF

5.4 Fire & Explosion Hazards

WARNING: Flammable! Keep away from heat, lit cigarettes, sparks & open flame. Keep container closed.

Extinguishing Methods 5.5

HazChem Code: 3YE

Hazard Identification Number: 33 CO₂, Halon, Dry Chemical, Foam

5.6 Firefighting Procedures

When involved in a fire, this product will ignite readily and decompose to produce carbon oxides.

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.

HAZCHEM CODE: 3[Y]E



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 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

Work & Hygiene Practices: 7.1

> 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 and 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. Store away from incompatible materials (see Section 10).

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.

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		8. EXPOSURE CONTROLS & PERSONAL PROTECTION
3.1	Ventilation & Engineering Cont	
5. 1	When working with larg	ge quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans). Ensure that a r washbasin is available in case of exposure to eyes.
3.2	Respiratory Protection:	
	protection authorized	protection is required under typical circumstances of use or handling. If necessary, use only respirator per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state regulations, or the appropriate sprovinces, E.C. member states, or Australia.
3.3	Eye Protection:	
		of this product, splash or safety glasses may be worn. If necessary, refer to U.S. OSHA 29 CFR §1910.133 the European Standard EN166.
.4	Hand Protection:	
		onged & repeated skin contact will occur during use of this product, wear latex or rubber gloves for routing ary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. member states.
3.5	Body Protection:	
		ction is required under typical circumstances of use and handling. If necessary, refer to appropriate standard mber states, or U.S. OSHA.
		9. PHYSICAL & CHEMICAL PROPERTIES
0.1	Density:	1.100-1.300
.2	Boiling Point:	NA NA
.3	Melting Point:	NE NE
4	Evaporation Rate:	NA NA
.5	Vapor Pressure:	
.6	,	NA
	Molecular Weight:	NE
.7	Appearance & Color:	Viscous liquid, various colors
.8	Odor Threshold:	ND
.9	Solubility:	Insoluble
.10	рН	NA NA
.11	Viscosity:	1500 cPs to 5000 cPs
.12	Other Information:	NA NA
		10. STABILITY & REACTIVITY
0.1	Stability:	
	Stable under ambient o	onditions when stored properly (see Section 7, Storage and Handling).
0.2	Hazardous Decomposition Proc	ducts:
	If exposed to extremel gases (e.g., CO, CO ₂).	y high temperatures, the products of thermal decomposition may include irritating vapors and carbon oxid
0.3	Hazardous Polymerization:	
	•	to extremely high temperatures.
0.4	Conditions to Avoid: This product is incompostrong bases (e.g., lye,	atible with strong oxidizers (e.g., peroxides, superoxides), strong acids (e.g., hydrochloric or muriatic acids), o potassium hydroxide).
10.5	Incompatible Substances:	p = 1 = 2 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1
0	None known.	
	1	

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 1.0 MSDS Revision Date: 03/21/2011 11. TOXICOLOGICAL INFORMATION 11.1 Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product, which are found in scientific literature. These data have not been presented in this document. 11.2 See Section 2.5 11.3 Chronic Toxicity See Section 2.6 11.4 Suspected Carcinogen: This product contains Isopropyl Alcohol which is not carcinogenic to humans but is listed as a Group 3 carcinogen by the IARC. 11.5 Reproductive Toxicity This product is not reported to produce reproductive effects in humans. Mutagenicity: This product is not reported to produce mutagenic effects in humans. Embryotoxicity This product is not reported to produce embryotoxic effects in humans. Teratogenicity: This product is not reported to cause teratogenic effects in humans. This product is not reported to cause reproductive effects in humans. Irritancy of Product: See Section 2.3 11.7 Biological Exposure Indices: Physician Recommendations: 11.8 Treat symptomatically. 12. ECOLOGICAL INFORMATION 12.1 Environmental Stability: The components of this product will slowly degrade over time into a variety of organic compounds. Specific environmental data available for the components of this product are as follows: Ethyl Acetate: K_{OC} = 0.73. Water solubility: 64,000 mg/l. Bioconcentration Factor = 4-14. Bioconcentration is not anticipated to be significant. This compound can be removed from contaminated environments from volatilization, and biodegradation. This compound's half-life in water is 6.1 hours. Butyl Acetate: Koc = 1.82. Water solubility: 120 parts H₂O at 25°C (77°F). Bioconcentration Factor = 4-14. Bioconcentration is not anticipated to be significant. This compound can be removed from contaminated environments from volatilization, and biodegradation. This compound's half-life in water is 6.1 hours. Isopropyl Alcohol: Log Kow = 0.05-0.14. Isopropyl alcohol occurs naturally; it is generated during microbial degradation of plant and animal wastes. When released on land or water, it is apt to volatilize and biodegrade. The estimated half-life in water is 5.4 days. Isopropyl alcohol is not expected to bioconcentrate. 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, very large releases of this product may be harmful or fatal to overexposed aquatic life. 13. DISPOSAL CONSIDERATIONS 13.1 Waste Disposal: Waste disposal must be in accordance with appropriate Federal, state, and local regulations. 13.2 Special Considerations: U.S. EPA WASTE NUMBER: D001 (characteristic - ignitable)

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14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation.

Add	itional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.	
14.1	49 CFR (GND): EXCEPTED QUANTITY (49 CFR §173.4a) (≤ 30 ml) CONSUMER COMMODITY, ORM-D (≤ 1.0 L) UN1263, PAINT RELATED MATERIAL, 3, II (> 1.0 L)	
14.2	IATA (AIR): EXCEPTED QUANTITY (AIR SHIPPER § 4.1.2) (≤ 30 ml) CONSUMER COMMODITY, 9, ID8000 (≤ 0.5 L) UN1263, PAINT RELATED MATERIAL, 3, II (> 0.5 L)	-
14.3	IMDG (OCN): EXCEPTED QUANTITY (2008 IMO § 3.5.1) (≤ 30 ml) UN1263, PAINT RELATED MATERIAL, 3, II, LTD QTY (≤ 1.0 L) UN1263, PAINT RELATED MATERIAL, 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) UN1263, PAINT RELATED MATERIAL, 3, II (> 1.0 L)	_
14.5	ADR/RID (EU): UN1263, PAINT RELATED MATERIAL, 3, II, ADR	-
14.6	MEXICO (SCT): UN1263, PRODUCTOS PARA PINTURA, 3, II, CANTIDAD LIMITADA (≤ 1.0 L)	
14.7	ADGR (AUS):	-



15. REGULATORY INFORMATION

15.1	SARA Reporting Requirements:
------	------------------------------

SARA 304 (40 CFR Table 302.4) – Butyl Acetate, Ethyl Acetate

UN1263, PAINT RELATED MATERIAL, 3, II, LTD QTY (≤ 1.0 L)

15.2 SARA Threshold Planning Quantity:

There are no specific Threshold Planning Quantities for the components of this product.

15.3 TSCA Inventory Status:

The components of this product are listed on the TSCA Inventory.

15.4 CERCLA Reportable Quantity (RQ)

Butyl Acetate: 2270 kg; 5000 lbs.; Ethyl Acetate: 2270 kg; 5000 lbs.

15.5 Other Federal Requirements:

This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).

15.6 Other Canadian Regulations:

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List. Class B2 Flammable Liquid.



15.7 State Regulatory Information:

Ingredients in this mixture on found on the following state criteria lists:

California OSHA Hazardous Substances List Delaware Air Quality Management List Massachusetts Hazardous Substances List

Minnesota Hazardous Substances List New Jersey Right to Know Hazardous Substances List

New York List of Hazardous Substances

Pennsylvania Hazardous Substances List

Washington Permissible Exposure Limits for Air Contaminants

Wisconsin Hazardous Substances List

Butyl Acetate, Ethyl Acetate, Isopropanol, Titanium dioxide

Butyl Acetate, Nitrocellulose, Ethyl Acetate

Butyl Acetate, Nitrocellulose, Ethyl Acetate, Isopropanol,

Silica, Talc

Butyl Acetate, Ethyl Acetate, Isopropanol, Silica

Isopropanol, Talc

Butyl Acetate, Ethyl Acetate

Butyl Acetate, Ethyl Acetate, Isopropanol, Silica, Talc

Butyl Acetate, Ethyl Acetate, Isopropanol

Ethyl Acetate

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15. REGULATORY INFORMATION - continued

15.8 67/548/EEC (European Union) Requirements:

The primary component of this product is not listed in Annex I of EU Directive 67/548/EEC:

<u>Hema:</u> (Xi) Irritant. R: 43 May cause sensitization by skin contact. S: 2-26-28 Keep out of reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap and water.

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.

<u>Butyl Acetate</u>: Flammable (F). R: Flammable. S: 9-16-33 - Keep container in a well-ventilated place. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

<u>Isopropanol</u>: Flammable (F). R: 11-36/37 – Highly flammable. Irritating to eyes and respiratory system. S: 2-7-16-24/25/26 – Keep out of the reach of children. Keep container tightly closed. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

HEMA XI R43

HAZCHEM CODE: 3[Y]E



16. OTHER INFORMATION

16.1 Other Information

EXTREMELY FLAMMABLE! Keep away from heat or flame. Use only as directed. Avoid eye contact. If contact occurs, flush eye thoroughly with running water. Use only in a well-ventilated area. If redness or other signs of adverse reaction occur, discontinue use immediately. Keep container closed. Store in a cool place. **KEEP OUT OF REACH OF CHILDREN.**

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:

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16.5 Prepared by:

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MATERIAL SAFETY DATA SHEET

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MSDS-246

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 1.0

MSDS Revision Date: 03/21/2011

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	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	rovide
	ovvden	to the h	odv				

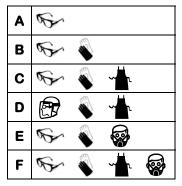
HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

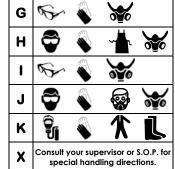
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

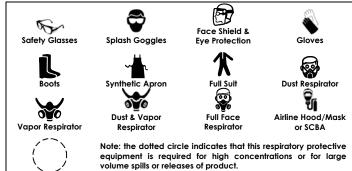
0	Minimal Hazard					
1	1 Slight Hazard					
2	Moderate Hazard					
3	Severe Hazard					
4	Extreme Hazard					



PERSONAL PROTECTION RATINGS:







OTHER STANDARD ABBREVIATIONS:

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

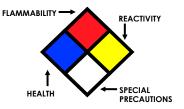
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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	2 Moderate Hazard						
3	Severe Hazard						
4	Extreme Hazard						
ACD	Acidic						
ALK	Alkaline						
COR	Corrosive						
-W-	-₩- 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 _{lo}	Lowest dose to cause a symptom						
TCLo	Lowest concentration to cause a symptom						
TD _{Io} , LD _{Io} , & LD _o or TC, TC _o , LC _{Io} , & LC _o	Lowest dose (or concentration) to cause lethal or 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:

The Table		M	*		Q	X	X
С	E	F	N	0	T+	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful