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# **MATERIAL SAFETY DATA SHEET**

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MSDS-077

Prep	Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 200	1/58 EC Standards   MS	SDS Revision: 2.6	MSDS	Revision Date: 02/09/	2010			
	1 <b>.</b>	PRODUCT IDENT	IFICATION						
1.1	1.1 Product Name:								
	POLISH REMOVER								
1.2	1.2 Chemical Name;								
	ACETONE SOLUTION								
1.3	1.3 Synonyms:								
1.4	1.4 Trade Names: AL 401, AL 403, AL 404, AL406, AL 407, AL 409								
1.5									
_[	PROFESSIONAL OR SUNDRY USE ONLY								
1.6	1.6 Manufacturer's Name:								
	OPI PRODUCTS, INC.								
1.7									
1.8	13034 SATICOY STREET, NO. HOLLYWOOD, CA 91	1605 USA							
1.0	CHEMTREC: +1 (703) 527-3887 / +1 (80	0) 424-9300							
1.9									
	+1 (818) 759-2400 / +1 (800) 341-9999								
						_			
		. HAZARD IDENTI	FICATION						
2.1									
	This product is classified as a HAZARDOUS SUBS (2004) and ADG Code (Australia). Flammable L		US GOODS according	to the cla	ssification criteria of	NOHSC:1088			
2,2		ation: YES	Absorption;	YES	Ingestion:	YES			
2.3		anorn, 120	/ Absorption,	110	ingosnon.	123			
	INGESTION: If product is swallowed, may car	use nausea, vomiting and	d/or diarrhea and cer	tral nervo	s system depression				
	EYES & SKIN: The liquid may produce eye dis								
	inflammation, ulceration. The v corneal burns and eye damag								
	itching, irritation and watering.								
	allergic skin reactions (e.g., rash								
	INHALATION: Vapors of this product may be								
	Symptoms of overexposure car concentrated vapors can caus								
	Odor may give some warning of			ai Owaii ie 35,	dizziriess, riedddcir	es, naosea).			
2.4									
	Symptoms of skin overexposure may include re								
	exposure.	se allergic skin reaction	s (e.g., rashes, welts	, dermatit	s) upon prolonged	or repeated			
2.5									
	Moderate irritation to eyes and skin near affect headaches and nausea.	ted areas. Additionally,	high concentrations	of vapors	can cause drowsine	ss, dizziness,			
2.6									
		dermatitls condition. Nor	ne known						
2.7		The material may accentuate any pre-existing dermatitis condition. None known  Target Organs:							
	Eyes, skin & respiratory system.								
	Eyes, skin & respiratory system.								
	NA = Not Available; ND = Not Determined; NE = Not Estal NOTE: all WHMIS required information is included. It is loa		=			f Terms Used			

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**EYES** 

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		3. CO	MPOSITIO	N & INGR	EDIEN	TINE	ORA							
							0111			LIMITS	IN AIR			
		1					GIH om		NOHSO ppm	٠		OSHA ppm		OTHER
								ES-	ES-	EŞ-		Ppiii		OTHER
	CHEMICAL NAME(S)	CA\$ No.	RTECS No.	EINECS No.	%	TLV	STEL	TWA	STEL	PEAK	PEL	STEL	IDLH	
ACET	ONE	67-64-1	AL3150000	200-662-2	≤ 90.0	500	750	500	1000	NF	1000	1000	NE	
AQU	A (WATER)	7732-18-5	ZC0110000	231-191-2	≤ 25.0	NA	NA	NF	NF	NF	NA	NA	NA	
	LHEXYL IOXYCINNAMATE	5466-77-3	NA	226-775-7	≤ 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
ALOE EXTR	EBARBADENSIS LEAF ACT	85507-69-3	NA	287-390-8	≤ 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
FRAG	RANCE (PARFUM)	NA	NA	NA	≤ 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
AMY	L CINNAMAL	122-40-7	GD6850000	204-541-5	< 1.0	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGE
LIMO	NENE	5989-27-5	GW6360000	227-813-5	< 1.0	NE	NE	NF	NF	NF	NE	NE	NE	ALLERGE
CI 61570 (GREEN 5) CI 47000 (YELLOW 1)		4403-90-1	DB5044000	224-546-6	< 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
		8003-22-3	GE5925000	232-318-2	< 1.0	NA	NA	NF	NF	NF	NA	NA	NA	
			-1,	\ <u></u>										
			4. F	IRST AID	MEASI	JRES								
4.1	patient is nearest F ingested SKIN & EYES: If product eyelid(s) attention. washing	d, do not induct vomiting, control Control Control Condition of the etc. If irritation of the affected roughly before a victim to fresh a	ce vomiting! It inve to offer vocal to the substance of t	f product has vater or milk. emergency ince that was some copious amous seek immed ct is on the sty of soap anon, redness or	been sw Never sumber. Swallower ounts of iate med kin, rinse d water. swelling	vallowe give w Provid d. lukewe lical at thoro Remo persist	ater of the and the arm we tention ughly ve all as, cons	r milk estima ater fo n. If pr with lu contar sult a p	to an te of ti r at le oblem ikewai ninate bhysici	uncon he tim east 15 n persis rm wa d clott an imr	scious e at w i minu its, see ter, fol ning, ir	person hich the des. Cook ik imm llowed noludir ely.	on. Co he ma Open o nediate I by a ng foot	ontact the iterial was and close e medica thorough twear and
4.2	Medical Conditions Aggravated						8	HEALTH					1	
	Pre-existing dermatitis, ( skin, respiratory system)		tions, and disc	orders of the to	arget org	ans (e	yes, 📳	FLAN	17.0	BILIT	Υ		100	3
								REA	CTIV	ITY			1	0
								PRO	TECT	IVE	EQUI	PMF	NT	В
							- 1							

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## 5. FIREFIGHTING MEASURES

5.1 Flashpoint & Method:

14 °C (57 °F)

5.2 Autolgnition Temperature:

NA

5.3 Flammability Limits:

Lower Explosive Limit (LEL):

2.5

Upper Explosive Limit (UEL):

12.8

Fire & Explosion Hazards:

This product is an extremely flammable liquid. When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO<sub>2</sub>, NO<sub>x</sub>). Extinguish all nearby sources of ignition as vapors may travel and flash back.

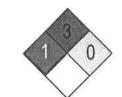
5.5 Extinguishing Methods:

HazChem Code: 2YE

Hazard Identification Number: 33 Water, Foam, CO<sub>2</sub>, Dry Chemical

5.6 Firefighting Procedures:

First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH-approved self-contained breathing apparatus. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before returning to service.



## 6. ACCIDENTAL RELEASE MEASURES

6.1 Spllls:

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

## 7. HANDLING & STORAGE INFORMATION

7.1 Work & Hyglene Practices:

Avoid prolonged contact with this material. Avoid breathing 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. If necessary, use a moisturizer after washing. 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. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. Keep away from children at all times!

7.3 Special Precautions:

None.

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MSDS-077

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 2.6 MSDS Revision Date: 02/09/2010 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). 82 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 294.4-93 and applicable standards of Canadian Provinces, EC member States, or Australia. Eye Protection: Wear protective eyewear (e.g., safety glasses with side-shield) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants. None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g.,  $\geq 1$  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: 9.1 0.78 - 0.869.2 Bolling Point: 133 °F 9.3 Melting Point: ND 9.4 Evaporation Rate: < 1.0 (n-BuAc = 1.0)9.5 Vapor Pressure: ND 9.6 Molecular Welaht: NE 9.7 Appearance & Color: Green, translucent liquid with a fragrant, mint-like odor. 9.8 Odor Threshold: NE Solubility: 9.9 Soluble in water. 9.10 На NA Viscosity: < 500 cPs 9.12 Other Information: NA 10. STABILITY & REACTIVITY 10.1 Relatively stable under ambient conditions when stored properly. 10.2 Hazardous Decomposition Products If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon & nitrogen). Hazardous Polymerization: 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 oxidizers, peroxides, acids, alkalis or potassium t-butoxide.

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 2.6 MSDS Revision Date: 02/09/2010 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. Acute Toxicity: 11.2 See Section 2.5 11.3 Chronic Toxicity: See Section 2.6 11.4 Suspected CarcInogen: No 11.5 Reproductive Toxicity: This product is not reported to cause reproductive toxicity 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. This product is not reported to cause teratogenic effects in humans. Reproductive Toxicity: This product is not reported to cause reproductive effects in humans. 11.6 Irritancy of Product: See Section 2.3 11.7 Biological Exposure Indices: NE 11.8 Physician Recommendations: Treat symptomatically. 12. ECOLOGICAL INFORMATION 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 available, but are not presented in this MSDS. Effects on Plants & Animals: 12.2 There is no specific data available for this product. 12.3 Effects on Aquatic Life: There is no specific data available for this product. Releases of large volumes may be harmful or fatal to overexposed aquatic life. Aquatic toxicity data for components of this product are available, but are not presented in this MSDS. 13. DISPOSAL CONSIDERATIONS Waste Disposal: 13.1 Dispose in accordance with local, state and Federal hazardous waste laws. 13.2 Special Considerations: U.S. EPA Characteristic Waste: D001 (ignitability)

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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. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADGR and the CTDGR.

14.1	49 CFR (GND): CONSUMER COMMODITY, ORM-D
	UN1090, ACETONE SOLUTIONS, 3, II (> 1.0 L)
14.2	IATA (AIR): CONSUMER COMMODITY, 9, ID8000 (≤ 0.5 L)
	UN1090, ACETONE SOLUTIONS, 3, II (> 0.5 L)
14.3	IMDG (OCN): UN1090, ACETONE SOLUTIONS, 3, II, LTD QTY (≤ 1.0 L)
	UN1090, ACETONE SOLUTIONS, 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)
	UN1090, ACETONE SOLUTIONS, 3, II (> 1.0 L)
14.5	ADR/RID (EU): UN1090, ACETONE SOLUTIONS, 3, II, ADR, LTD QTY (≤ 1.0 L)
	UN1090, ACETONE SOLUTIONS, 3, II, ADR (> 1.0 L)
14.6	SCT (MEXICO):
	UN1090, SOLUCIONES DE ACETONA, 3, II, CANTIDAD LIMITADA (≤ 1.0 L)
14.7	ADGR (AUS):
	UN1090, ACETONE SOLUTIONS, 3, II, LTD QTY (≤ 1.0 L)





## 15 REGULATORY INFORMATION

	15. REGULATORI INTORMATION	
15.1	SARA Reporting Requirements:	
	NA NA	
15.2	SARA Threshold Planning Quantity:	
	NA	
15.3	TSCA Inventory Status:	
	All components of this product are listed in the TSCA Inventory or are exempt.	
15.4	CERCLA Reportable Quantity (RQ):	
	Acetone – 5000 lbs; 2270 kg.	
15.5	Other Federal Requirements:	
	This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subch	apter 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:	

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

California OSHA Hazardous Substances List	t Aceto	ne
Delaware Air Quality Management List	Aceto	ne
Massachusetts Hazardous Substances List	Aceto	ne
Minnesota Hazardous Substances List	Aceto	ne
New York List of Hazardous Substances	Aceto	ne
Pennsylvania Hazardous Substances List	Aceto	ne
Washington Permissible Exposure Limits for	Air Contaminants Aceto	ne
Wisconsin Hazardous Substances List	Aceto	ne

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.

Acetone: Highly Flammable (F+). R: 11-36-66-67 – Highly flammable. Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapors may cause drowsiness and dizziness. S: 9-16-23-33 - Keep container in a well-ventilated place. Keep away from sources of ignition - No smoking. Do not breathe gas, fumes, vapor or spray. Take precautionary measures against static discharges. HAZCHEM CODE: 2[Y]E. Poisons Schedule Number: \$5



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Prep	epared to OSHA, ACC, ANSI, NOHSC, WHMIS & 200	01/58 EC Standards   MSDS Revision; 2.6   MSDS Revision Date: 02/09/2010							
-		A OTHER INCORMATION							
		16. OTHER INFORMATION							
16.1									
		ernally. Store in a cool, dry place. Keep away from heat and open flame.							
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	OPI Products, Inc.	·P·I							
16.5	Prepared by:	ShipMate'  Changerous Goods  Training & 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
---------	----------------------------------

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

ACGIH	American Conference on Governmental Industrial Hygienists				
TLV	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
	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



### PERSONAL PROTECTION RATINGS:

A	8			
В	8			
С	8		4	
D			~ L	
E	5			
F	5	100	~	





Full Suit





Gloves

Dust & Vapor

Alrline Hood/Mask Full Face Respirator

Note: the dotted circle indicates that this respiratory protective equipment is required for high concentrations or for large volume spills or releases of product.

## 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	

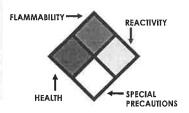
### NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

### FLAMMABILITY LIMITS IN AIR:

Autolgnition	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				
<del>-W</del> -	Use No Water				
OX	Oxidizer				



### TOXICOLOGICAL INFORMATION:

LD <sub>50</sub>	Lethal Dose (solids & liquids) which kills 50% of the exposed animals s  Lethal concentration (gases) which kills 50% of the exposed animal				
LC <sub>50</sub>					
ppm	Concentration expressed in parts of material per million parts				
TD <sub>lo</sub>	Lowest dose to cause a symptom				
TCLo	Lowest concentration to cause a symptom				
TD <sub>lo</sub> , LD <sub>lo</sub> , & LD <sub>o</sub> or TC, TC <sub>o</sub> , LC <sub>lo</sub> , & LC <sub>o</sub>	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:

	學家	1.37%	*	8	<b>₩</b> ,		×
С	E	F	N	0	T+	ΧI	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful