

# odyssey nail systems. MATERIAL SAFETY DATA SHEET

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**CHEMICAL NAME:** COPOLYMER

**PRODUCT NAME:** VIP Clear

**TRADE NAME:** **Brilliance Clear**

**PRODUCT USE:** Organic Process Chemical

**MANUFACTURER:** Odyssey Nail Systems  
**ADDRESS:** 6498 Wilcrest Dr  
Houston, TX 77072

**24 HR. EMERGENCY TELEPHONE:** CHEMTREC: 1-800-424-9300

**PREPARED BY:** Teri Allen, HEALTH & SAFETY DEPARTMENT  
**PHONE:** 1-610-497-9000 During Business Hours  
1-610-497-9000, Then Press 6 At All Other Times

**PREPARATION/UPDATE DATE:** 1/3/07  
**PRINT DATE:** 12/9/09

## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

### FOR POLYMER:

ITEM	CHEMICAL NAME	CAS NUMBER:	WT/WT %
01	Ethyl Methacrylate	9003-42-3	65-99
02	Methacrylate Polymer	9011-14-7	0-35
03	Dibenzoyl Peroxide	94-36-0	0-1

ITEM	ACGIH		OSHA		Company Recommendation	SKIN
	TLV-TWA	TLV-STEL	PEL TWA	PEL CEILING		
01	10 mg/m <sup>3</sup>	NE	15 mg/m <sup>3</sup>	NE	10 mg/m <sup>3</sup>	NE
02	NA	NA	NA	NA	NA	NA
03	10 mg/m <sup>3</sup>	NE	15 mg/m <sup>3</sup>	NE	10 mg/m <sup>3</sup>	NE
04	10 mg/m <sup>3</sup>	NE	15 mg/m <sup>3</sup>	NE	10 mg/m <sup>3</sup>	NE
05	5 mg/m <sup>3</sup>	NE	5 mg/m <sup>3</sup>	NE	5 mg/m <sup>3</sup>	NE

See Section 16 for Abbreviations.

<b>SECTION 3 - HAZARDS IDENTIFICATION</b>
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**EMERGENCY OVERVIEW:**

<p>WARNING:</p> <p>For Polymer:</p> <p>For Polymer:</p> <p>Eyes:</p> <p>Skin</p> <p>Respiratory Tract</p> <p>For Benzoyl Peroxide:</p> <p style="padding-left: 20px;">Acute Hazards:</p> <p style="padding-left: 20px;">Eyes:</p> <p style="padding-left: 20px;">Ingestion:</p> <p style="padding-left: 20px;">Inhalation:</p> <p style="padding-left: 20px;">Skin:</p> <p>Chronic Hazards:</p> <p style="padding-left: 20px;">Skin:</p> <p>Medical Conditions Aggravated by Exposure:</p>	<p>For Polymer:</p> <p>Eyes:</p> <p>Skin</p> <p>Respiratory Tract</p> <p>Eyes:</p> <p>Ingestion:</p> <p>Inhalation:</p> <p>Skin:</p> <p>Skin:</p>	<p>May irritate eyes, skin and respiratory tract.</p> <p>OSHA classifies this material as Particulates, Not Otherwise Classified.</p> <p>May be irritated by gross overexposure, no matter how generated. Keep dust out of eyes.</p> <p>May be irritated by gross overexposure, no matter how generated. May cause dryness.</p> <p>May be irritated by gross overexposure, no matter how generated.</p> <p>May cause severe irritation or damage.</p> <p>Considered to be non-toxic. May produce muscular weakness.</p> <p>May cause irritation of nose, throat and lungs.</p> <p>Non-irritating.</p> <p>Non-irritating. Prolonged and/or repeated skin contact may cause irritation, defatting, dermatitis and sensitization.</p> <p>May be at increase risk if dermally exposed to this material.</p>
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**CARCINOGENICITY:**

IARC lists Benzoyl Peroxide as not classifiable as to carcinogenicity to humans. None of the other components of this material are listed by IARC, NTP, OSHA, or ACGIH as carcinogens.

**PRIMARY ROUTES OF ENTRY:**

Inhalation, Skin or Eyes.

<b>SECTION 4 - FIRST AID MEASURES</b>
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**EMERGENCY AND FIRST AID PROCEDURES:**

<p>EYES:</p> <p>INGESTION:</p> <p>INHALATION:</p> <p>SKIN:</p> <p>CLOTHING:</p> <p>TREATMENT:</p>	<p>Flush with water for 15 minutes, including under eyelids. Get medical help if discomfort persists.</p> <p>Rinse mouth out with water. Call doctor if amount was large.</p> <p>Remove to fresh air. Get medical help if discomfort persists.</p> <p>Wash with soap and water. Get medical help if discomfort persists.</p> <p>Remove contaminated clothing. Wash thoroughly before reuse.</p> <p>Treat symptoms conventionally, after thorough decontamination.</p>
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**SECTION 5 - FIRE FIGHTING MEASURES**

<b>FLASH POINT:</b>	304 °C, 580 °F
<b>FLAMMABLE LIMIT, AIR VOL% LOWER:</b>	NA
<b>UPPER:</b>	NA
<b>AUTOIGNITION TEMPERATURE:</b>	NE
<b>EXTINGUISHER METHOD:</b>	Water, carbon dioxide, dry chemical.
<b>FIRE AND EXPLOSION HAZARDS:</b>	Methacrylate Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust.
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	Avoid extinguishing methods which may generate dust clouds. Water stream can disperse dust into air, producing a fire hazard and possible explosion hazard if exposed to ignition source.
<b>EXPLOSION HAZARD:</b>	Firefighters should wear self-contained breathing apparatus.
<b>SENSITIVE TO MECHANICAL IMPACT:</b>	No.
<b>SENSITIVE TO STATIC DISCHARGE:</b>	No.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

<b>ACCIDENTAL RELEASE:</b>	Isolate hazard area and deny entry to unnecessary or unprotected personnel. Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when cleaning up spills.
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**SECTION 7- HANDLING AND STORAGE**

<b>PRECAUTIONS FOR HANDLING:</b>	Use in well ventilated areas. Avoid contact with skin, eyes and clothing. Avoid breathing dust. Use good personal hygiene and housekeeping.
<b>PRECAUTIONS FOR STORAGE:</b>	Store in cool dry place away for incompatible materials. Keep container closed to prevent water absorption and contamination.
<b>INDUSTRIAL HYGIENE PRACTICES:</b>	Wash face and hands thoroughly with soap and water after use and before eating, drinking, smoking or applying cosmetics.

**SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION**

<b>VENTILATION:</b>	Use good, local exhaust at processing equipment, including buffers, sanders, grinders and polishers.
<b>RESPIRATORY PROTECTION:</b>	Use type for Particulates Not Otherwise Classified, if needed.
<b>EYE PROTECTION:</b>	Safety glasses or chemical splash goggles.
<b>PROTECTIVE GLOVES:</b>	Impervious, nitrile, if hot plastic is handled.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Provide eyewash, safety shower and impervious clothing are recommended. High temperature processing equipment should be well ventilated.

<b>SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES</b>
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<b>APPEARANCE:</b>	Fine pink powder.
<b>ODOR:</b>	Faint odor in bulk.
<b>pH:</b>	ND
<b>ODOR THRESHOLD:</b>	ND
<b>BOILING POINT:</b>	NA
<b>FREEZING POINT:</b>	ND
<b>VISCOSITY:</b>	NA
<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1):</b>	1.25
<b>VAPOR PRESSURE:</b>	NA
<b>PERCENT VOLATILE W/W%:</b>	NA
<b>VAPOR DENSITY (AIR=1):</b>	NA
<b>EVAPORATION RATE (BuAc =1):</b>	3.0
<b>SOLUBILITY IN WATER:</b>	Insoluble.
<b>COEFFICIENT OF WATER/OIL DISTRIBUTION:</b>	ND

<b>SECTION 10 - STABILITY AND REACTIVITY</b>
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<b>CONDITIONS TO AVOID:</b>	Heating above 240 °C, 464 °F.		
<b>INCOMPATIBILITY (MATERIALS TO AVOID):</b>	Strong oxidizing agents.		
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Methacrylate Monomer and Oxides of Carbon when burned.		
<b>HAZARDOUS POLYMERIZATION:</b>	MAY OCCUR:	WILL NOT OCCUR:	X
<b>STABILITY:</b>	UNSTABLE:	STABLE:	X

<b>SECTION 11- TOXICOLOGICAL PROPERTIES</b>
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**TARGET ORGANS:**

For Polymer:	None Listed.
For Benzoyl Peroxide:	Skin and Eyes.

**SENSITIVITY DATA:**

For Benzoyl Peroxide:	
Eyes Rabbit:	Severely irritating.
Skin Rabbit:	Non-irritating/4H.

**MUTAGENICITY DATA:**

For Polymer:	None Listed.	
For Benzoyl Peroxide:	Ames Test:	Negative
Human Cell Types	DNA Damage:	100 µ mol/L.
Mouse Cell Types	DNA Damage:	1 µ mol/L.
Human Cell types	DNA Inhibition:	56 µ mol/L.
Rat Liver	Unscheduled DNA Synthesis:	100 p mol/L.
Human Cell Types	Test Systems Other:	56 µ mol/L.

<b>SECTION 11- TOXICOLOGICAL PROPERTIES CONTINUED</b>
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**MUTAGENICITY DATA CONTINUED:****REPRODUCTIVE TOXICITY DATA:**

For Polymer: None Listed.

**TUMOROGENIC DATA:**

For Polymer: None Listed.

For Benzoyl Peroxide:

Skin Mouse TD<sub>Lo</sub>: 24 gm/kg/30W.

**TOXICITY DATA:**

For Polymer: None Listed.

For Benzoyl Peroxide:

Inhalation Rat LC<sub>50</sub>: 24.3 mg/L/4hr.

Intraperitoneal Mouse LD<sub>Lo</sub>: 250 mg/kg.

Oral Rat LD<sub>50</sub>: 7710 mg/kg.

<b>SECTION 12 - ECOLOGICAL INFORMATION</b>
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**AQUATIC TOXICITY:**

For Polymer: None Listed.

For Benzoyl Peroxide:

Inhalation Rat LC<sub>50</sub>: 24.3 mg/L/4hr.

Intraperitoneal Mouse LD<sub>Lo</sub>: 250 mg/kg.

Oral Rat LD<sub>50</sub>: 7710 mg/kg.

**ECOLOGICAL TOXICITY:**

For Polymer: Not Known.

**BIOACCUMULATION:**

For Benzoyl Peroxide: Chemical fate is not known.

**ENVIRONMENTAL FATE:**

For Benzoyl Peroxide: 28 Day Biodegradation Study: Almost 60% in a closed bottle test.

<b>SECTION 13 - DISPOSAL CONSIDERATIONS</b>
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**WASTE DISPOSAL METHOD:**

Dispose in a landfill or incinerate according to Federal, State, and Local regulations.

**DISPOSAL OF EMPTY CONTAINERS:**

Reuse of empty drums or containers is not recommended. Employees should be advised of the potential hazards, due to residual material, associated with empty containers. It is our policy to discourage the reuse of empty containers and to dispose of all empty containers properly, in accordance with Federal, State and Local regulations.

<b>SECTION 14 - TRANSPORTATION</b>
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**DOT/UN SHIPPING NAME:** SYNTHETIC GUM RESIN GRANULAR, NOIBN  
**DOT/UN CLASS:**  
**NA/UN NUMBER:**  
**PACKING GROUP:**  
**NAERG:**  
**LABEL:**  
**NMFC ITEM #:** 59420  
**SCHEDULE B:** 3906.90.6000  
**IMDG CLASS:**  
**IMDG PG:**  
**CERCLA RQ:**

<b>SECTION 15 - REGULATORY INFORMATION</b>
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ITEM	TSCA	EINECS	CERCLA	CAA	CWA	RCRA	SARA 313	MAK
03	X	X						
04	X	X						
05	X	X					X	5 mg/m <sup>3</sup>

ITEM	AUSTRALIA	CANADA	CHINA	JAPAN	KOREA	PHILIPPINE
05		X				

ITEM	CA65	FL	MA	MI	MN	NJ	NY	PA	WA
05		X	X		X	X		X	X

**TSCA:** FOR USE IN FDA REGULATED PRODUCTS ONLY

**CANADIAN WHMIS:** This product has been classified in accordance with the hazardous criteria of the CPR and the MSDS contains all the information required by the CPR. All of the components of this material are listed on the Canadian DSL.

**RISK STATEMENTS:** R36/37/38 – Irritating to eyes, respiratory system and skin.  
R43 – May cause sensitization by skin contact

**SAFETY STATEMENTS:** S3 – Keep in a cool place.  
S7 – Keep container tightly closed.  
S9 – Keep container in a well ventilated place.  
S16 – Keep away from sources of ignition – No Smoking.  
S20 – When using do not eat or drink.  
S33 – Take precautionary measures against static discharges.  
S37/39 – Wear suitable gloves and eye/face protection.

<b>SECTION 16 - OTHER INFORMATION</b>
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**HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS) RATING:**

HEALTH:	1
FLAMMABILITY:	1
REACTIVITY:	0
PERSONAL PROTECTIVE EQUIPMENT:	Gloves and Safety Glasses or Chemical Splash Goggles.

**NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD IDENTIFICATION RATING:**

HEALTH:	1
FLAMMABILITY:	1
REACTIVITY:	0

**ABBREVIATIONS:**

NA	Not Applicable	ND	Not Determined
NE	Not Established	CPR	Controlled Products Regulation

ppm	parts per million	G	Gallon
mg	Milligram	L	Liter
gm	Gram	mol	Mole
kg	Kilogram	μ	Micro
mm	Millimeter	p	Pico
Pa	Pascals		

LC	Lethal Concentration	LD	Lethal Dose
TC	Toxic Concentration	TD	Toxic Dose
BOD	Biological Oxygen Demand	COD	Chemical Oxygen Demand
Lo	Lowest	ThOD	Theoretical Oxygen Demand
TLm	Threshold Limit		

H	Hours	M	Months
D	Days	Y	Years
W	Weeks	min	Minutes

OSHA Occupational Safety and Health Administration  
 ACGIH American Conference of Governmental Industrial Hygienist  
 IARC International Agency for Research for Cancer  
 TLV Threshold Limit Value  
 PEL Permissible Exposure Limit  
 NOEL No Observed Effect Level  
 NOAEL No Observed Adverse Effect Level

**SECTION 16 - OTHER INFORMATION CONTINUED**

Prepared By: \_\_\_\_\_ Health, Safety and Environment

Reviewed By: \_\_\_\_\_ Technical Review

Reviewed By: \_\_\_\_\_ Senior Company Officer

Issue Date: \_\_\_\_\_

THIS MATERIAL SAFETY DATA SHEET IS PREPARED IN COMPLIANCE WITH FEDERAL REGULATIONS (29 CFR 1910.1200), THE COMMONWEALTH OF PENNSYLVANIA REGULATIONS (TITLE 34. CHAPTERS 301-323) AND CANADIAN WHMIS REGULATIONS, ANY APPLICABLE STATE AND LOCAL REGULATIONS SHOULD BE CONSULTED. THE ABOVE INFORMATION MAY BE BASED IN PART ON INFORMATION PROVIDED BY COMPONENT SUPPLIERS AND IS BELIEVED TO BE CORRECT AS OF THE DATE HEREOF. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OF THESE DATA, THE RESULTS TO BE OBTAINED FROM THE USE OF THE MATERIAL, OR THE HAZARDS CONNECTED WITH SUCH USE. SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL AND WITH WHICH WE MAY BE UNFAMILIAR, AND SINCE DATA MADE AVAILABLE SUBSEQUENT TO THE DATE HEREOF MAY SUGGEST MODIFICATION OF THE INFORMATION, WE ASSUME NO RESPONSIBILITY FOR THE RESULT OF ITS USE. THIS INFORMATION AND MATERIAL IS FURNISHED ON THE CONDITION THAT THE PERSON RECEIVING IT SHALL MAKE HIS/HER OWN DETERMINATION AS TO THE SUITABILITY OF THE MATERIAL FOR HIS/HER PARTICULAR PURPOSE AND ON THE CONDITION THAT HE/SHE ASSUME THE RISK OF HIS/HER USE THEREOF.