

**UNIQUE BUILDER CLEAR GEL**

**Section 1 – Identification of the Substance/Preparation and of the Company/Undertaking**

Product Name: Unique Builder Clear Gel	MSDS Prepared By: ALD
Chemical Name: N/A	Supplier: Impression Beauty International U.A.E.
Family Name: UV Gels	Emergency Phone Numbers: (800) 535 -5053
Product Use: Nail Gel	(Please quote the MSDS number)
Product No. IM-GBC	Information Contacts: (971) 67453254/5

**Section 2- Composition/Information on Ingredients**

Chemical Identity	CAS Nos.	EINECS#	INCI Name	Exposure OSHA TWA/STEL	Limits ACGIH TWA/STEL	Carcinogen IARC/NTP/OSHA	%
Polyurethane Acrylate Oligomer	Exempt	N/E	Di-Hema Trimethylhexyl Dicarbamate*	N/E	N/E	Not Listed	85-95
Trimethylolpropane Trimethacrylate esters	3290-92-4	221-950-4	Trimethylolpropane Trimethacrylate	N/E	N/E	Not Listed	5-10
Methacrylic Acid	79-41-4	201-204-4	Methacrylic Acid	N/E	20ppm	Not Listed	2-5
Hydroxycyclohexyl phenyl ketone	947-19-3	213-426-9	Hydroxycyclohexyl phenyl ketone	N/E	N/E	Not Listed	0-1

N/E - None Established  
N/R - Not Reviewed  
N/DA - No Data Available  
N/A - Not Applicable

**Polyurethane Acrylate Oligomer:** Hazard Symbol: Xi Risk Phrases: R36/37/38 Safety Phrases: S14, S3/7, S62  
**Trimethylolpropane Trimethacrylate Esters:** Hazard Symbol: Xi Risk Phrases: R36/37/38 Safety Phrases: S26  
**Methacrylic Acid:** Hazard Symbols – Xn, C Risk Phrases – R21/22, R35 Safety Phrases – S26, S36/37/39, S45

See Section 16 for Risk and Safety Phrase Key

**Section 3 Hazards Identification**

**EMERGENCY OVERVIEW**

**This information is based on findings from related or similar materials**

- May be slightly toxic
- May cause moderate skin injury (reddening & swelling)
- May cause slight burn in eye
- May cause slight respiratory tract irritation upon inhaling elevated amounts of this material

**Potential Health Effects, Signs and Symptoms of Exposure:**

Primary Route of Entry	Although no specific information is available, please use highened caution when handling this material.
Eye	Contains some materials that are essentially nonirritating, however contact may cause moderate irritation. Signs of irritation may include a burning sensation, tearing, redness, or swelling. Product contains Methacrylic acid, which has been known to cause corneal damage in full strength applications.
Skin	Causes moderate skin irritation (such as reddening and swelling) and/or sensitization. Prolonged contact may cause blister formation (burns). Methacrylic acid is a known skin sensitizer.
Ingestion	This material is expected to be a moderate ingestion hazard. May cause slight corrosion of tissue in the esophagus and digestive tract.
Inhalation	Low volatility makes vapor inhalation unlikely. However, aerosols or vapors which may be generated at elevated processing temperature may cause respiratory tract irritation. Symptoms of irritation may include coughing, nasal irritation, mucous production, and shortness of breath.
Sub-Chronic Effects	No specific information available

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NOTE: Refer to Section 11, Toxicological Information for Details

**Section 4- First Aid Measures**

First Aid for Eye	If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently for 15 min. with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.
First Aid for Skin	Remove contaminated clothing and wash contact area with soap and water for 15 minutes.
First Aid for Inhalation	In case of exposure to a high concentration of vapor or mist, remove person to fresh air. If breathing has stopped, administer artificial respiration and seek medical attention
First Aid for Ingestion	If appreciable quantities are swallowed, give lukewarm water (pint) if victim is completely conscious/alert. Do not induce vomiting, risk of damage to lungs exceeds poisoning risk. Seek emergency medical attention.

**Section 5- Fire Fighting Measures**

Flash Point(°F/°C)	Flammable Limit(vol%)	Auto-ignition Temperature(vol%)
> 212°F/100°C Setaflash	No Data	No Data

<b>Method:</b>	
Extinguishing Media	Use carbon dioxide or dry chemical for small fires; aqueous foam or water for large fires
Fire Fighting Instructions	Remove all ignition sources. Wear self-contained breathing apparatus and complete personal protective equipment when entering confined areas where potential for exposure to vapors or products of combustion exists.
Unusual Hazards	High temperatures and fire conditions may cause rapid and uncontrolled polymerization which can result in explosions and the violent rupture of storage vessels or containers. Avoid the use of a stream of water to control fires since frothing can occur.

**Section 6- Accidental Release Measures**

Spill or Release Procedures	Spontaneous polymerization can occur. Eliminate ignition sources. Use eye and skin protection. Place leaking containers in a well ventilated area. Dike and recover large spills. Soak up small spills with inert solids (such as vermiculite, clay) and sweep/shovel into disposal container. Wash spill area with strong detergent and water solution; rinse with water, but minimize water use during clean-up. Do not flush to sewer! US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802. EU Regulations require the consultation of Directive 98/24/EC. Dispose and report per regulatory requirements if necessary. Please prevent washings from entering waterways.
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**Section 7- Handling and Storage**

Handling	Ground and bond containers when transferring material. Avoid contact with skin and eyes, and clothing. Use with adequate ventilation and avoid breathing in vapor. Keep container closed when not in use. Avoid contact with heat, sparks and flame. Remove all contaminated clothing, shoes, belts and other leather goods immediately. Incinerate leather goods (including shoes). Wash contaminated clothing thoroughly before reuse. Wash skin thoroughly with soap and water after handling. Solvents should not be used to clean skin because of increased penetration potential. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks, or open flames. Material is UV light sensitive, avoid prolonged exposure to light/heat.
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Storage	Keep away from heat, sparks, and flame. Store in a tightly closed container. Store in a cool, dry, well-ventilated place, away from any type of light. Store at temperatures below 100°F/38°C.
Explosion Hazard	High temperatures and fire conditions may cause rapid and uncontrolled polymerization which can result in explosions and the violent rupture of storage vessels or containers.

**Section 8- Exposure Controls/Personal Protective Equipment**

Engineering Controls	Engineering Controls Local exhaust recommended to control exposure which may result from operations generating aerosols and hot operations generating vapors.
<b>Personal Protective Equipment</b> General	General To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132), or European Standard EN166 be conducted before using this product . Provide eye wash stations and safety showers. Wear impervious clothing to prevent ANY contact with this product, such as gloves, apron, boots, or whole body suit. Nitrile rubber is better than PVC. A safety shower and eye wash facility should be readily available.
Eye/ Face Protection	Chemical splash goggles. Contact lenses should not be worn
Skin Protection	Impervious gloves (Butyl rubber, Neoprene, and/or Nitrile).
Respiratory Protection	A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain limited circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by nuisance level organic vapor dust masks can be used, however the use of the respirator is limited. Follow OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.

**Section 9- Physical and Chemical Properties**

Appearance	Odor & Odor Threshold	pH	Specific Gravity	Viscosity	%Volatile		
A Clear, mobile viscous gel	characteristic acrylate odor	NA	(H2O=1) : 1.10	N/DA	By Volume : < 0.5		
Boiling Point/ Freezing Point	Decomposition/ Temperature	Octanol/Water Partitioning Coefficient Log Po/w	Vapor Pressure:	Vapor Density	Evaporation Rate	Ignition	Solubility In Water (20°C)
N/A	N/A	N/A	(mm Hg) @ 20°C: < 0.01	No Data	No Data	No Data	Insoluble
Flash Point(°F/°C)		Flammable Limit(vol%)		Auto-ignition Temperature(vol%)			
> 212°F/100°C Setaflash		No Data		No Data			

**Section 10- Stability and Reactivity**

<b>Stability:</b> Normally Stable	<b>Incompatibility (Materials to Avoid):</b> Polymerization initiators including peroxides, strong oxidizing agents, copper, copper alloys,
<b>Hazardous Decomposition Products:</b> Fumes produced when heated to	

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decomposition may include : carbon monoxide, carbon dioxide	carbon steel, iron, rust and string bases.
<b>Conditions to Avoid:</b> Storage >100°F/38°C , exposure to light, loss of dissolved air, loss of polymerization inhibitor, contamination with incompatible materials.	<b>Hazardous Polymerization:</b> May occur -- Uncontrolled polymerization may cause rapid evolution of Heat and increased pressure that could result in violent rupture of sealed storage vessels or containers.

**Section 11- Toxicological Information**

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation - skin	Irritation - Eye
Oral (Rat) LD50: <1 g/kg	Dermal(Rabbit) LD50: >2 g/kg	No information available	No information available	Eye (Rabbit): 0.67 (Scale 0-110)

Since this product contains a very low concentration of active components, the primary toxicological information is derived from the oligomers. Further hazardous properties cannot be excluded. The product should be handled with care when dealing with chemicals.

Sensitization	Mutagenicity	Sub-chronic Toxicity
No information available	Test positive as a mutagen on laboratory animals	No information available
RTECS#: 79-41-4: OZ2975000 AMES TEST (oligomers): Neg		

**Section 12- Ecological Information**

Ecotoxicological Information				
Acute Toxicity to Fish	Acute Toxicity to Invertebrates	Acute Toxicity to Algae	Bioconcentration	Toxicity to Sewage Bacteria
No information available	No information available	No information available	No information available	No information available

**Chemical Fate Information**

Biodegradability	No information available
Chemical Oxygen Demand	No information available

To the best of our knowledge, the ecotoxocological and chemical fate properties have not been thoroughly investigated Do not allow to enter drinking water supplies, wastewater, or soil.

**Section-13 Disposal Consideration**

Non-contaminated, properly inhibited product is not a RCRA hazardous waste. It is the genrators responsibility to determine what is classified as a hazardous waste. Comply with all federal, state, and local regulations. Dispose of diking materials and absorbent in compliance with State, Local, and Federal regulations. Residual vapors may explode on ignition; do not cut, drill, or weld on or near the container. Mix with compatible chemical which is less flammable and incinerate.

**Section 14- Transport Information**

DOT (49 CFR 172)	
Proper Shipping Name:	Non-Regulated Material
Identification Number	N/A
Marine Pollutant:	No
Special Provisions:	None
<b>Emergency Response Guidebook (ERG) #:</b>	N/A
<b>IATA (DGR):</b>	
Proper Shipping Name	Non-Regulated Material
Class or Division	N/A



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UN or ID Number	N/A
Packaging Instructions:	None
<b>Emergency Response Guidance (ICAO)#:</b>	N/A
<b>IMO (IMDG):</b>	
Proper Shipping Name	Non-Regulated Material
Class or Division:	N/A
UN or ID Number:	N/A
Special Provisions & Stowage/Segregation	None
<b>Emergency Schedule (Ems)#:</b>	N/A
<b>Other Information</b>	<b>Flash point = &gt;100°C</b>
<b>Section 15- Regulatory Information</b>	
<b>US Federal Regulations</b>	
Clean Air Act: HAP/ODS	This product contains the following hazardous air pollutants (HAP), as defined by the U. S. Clean Air Act: • NONE This product does not contain any Class1 or Class 2 ODS.
Clean Water Act: HS/Priority Pollutant	This product contains the following Hazardous Substances as defined by the CWA: • NONE This product does not contain any substances that are a Priority Pollutant or Toxic Pollutant under the CWA.
FDA: Food Packaging Status	This product has not been cleared by the FDA for use in food packaging and /or other applications as an indirect food additive
Occupational Safety and Health Act	This product is considered to be hazardous under the OSHA Hazard Communication Standard. Its hazard are: • IMMEDIATE (acute) HEALTH HAZARD • Delayed (chronic) health hazard • Reactive hazard
RCRA	This product contains the following RCRA codes under EPA's Resource, Conservation and Recovery Act (40 CFR Part 261): • NONE
SARA Title III: Section 302 (TPQ)	This product contains no chemicals regulated under Sec. 302 as extremely hazardous substances that carry a TPQ.
SARA Title III: Section 302 (RQ)	This product contains chemicals regulated under Section 304 as extremely hazardous chemicals for emergency release notification ("CERCLA" List): • NONE
SARA Title III: Section 311-312	This product is considered to be hazardous under the OSHA Hazard Communication Standard and is regulated under Section 311-312 ( 40 CFR 370 ). Its hazards are: • IMMEDIATE (acute) HEALTH HAZARD • Delayed (chronic) health hazard • Reactive hazard
SARA Title III: Section 313:	This product contains the following chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 • NONE
TSCA Section 8(b): Inventory: TSCA Significant New Use Rule	This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements. None of the chemicals listed have a SNUR under TSCA
<b>State Regulations</b>	
CA Right-to-Know Law: California No Significant Risk Rule	Methacrylic Acid CAS #79-41-4 NONE
MA Right-to-Know Law:	Methacrylic Acid CAS #79-41-4
NJ Right-to-Know Law:	Methacrylic Acid CAS #79-41-4

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PA Right-to-Know Law:	Methacrylic Acid CAS #79-41-4
FL Right-to-Know Law:	Methacrylic Acid CAS #79-41-4
MN Right-to-Know Law:	Methacrylic Acid CAS #79-41-4

<b>International Regulations</b>	
CDSL: Canadian Inventory (on Canadian Transitional List)	Trimethylolpropane Trimethacrylate esters CAS #3290-92-4 is on the DSL list. WHMIS = n/da Methacrylic Acid CAS #79-41-4 is on the DSL list. WHMIS = E Hydroxycyclohexyl phenyl ketone CAS#947-19-3 DSL List: No information available WHMIS = n/da

<b>Labeling according to EC Directives - 1999/45/EC</b>	
European Community:	<b>Unique Builder Clear Gel</b>
 	<ul style="list-style-type: none"> <li>HAZARD SYMBOLS: <b>Xi: Irritant</b></li> <li>RISK PHRASES: <b>R22: Harmful if swallowed, R36/38: Irritating to eyes and skin, R43: May cause sensitization by skin contact.</b></li> <li>SAFETY PHRASES: <b>S18: Handle and open container with care, S24/25: avoid contact with skin and eyes, S36/37: Wear suitable protective clothing and gloves, S38: in case of insufficient ventilation, wear suitable respiratory equipment.</b></li> </ul>

**Section 16 - Other Information**

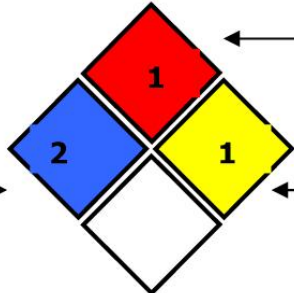

**EU Classes and Risk / Safety Phrases for Referenced Ingredients (See Section 2): Hazard Symbol:**

**Hazard Symbol:**  
Xn – Harmful substance or preparation  
C – Corrosive substance or preparation

**Risk Phrases:**  
R21/22 Harmful in contact with skin and if swallowed; R35 Causes severe burns; R36/37/38 Irritating to eyes, respiratory system and skin

**Safety Phrases:**  
S3/7 Keep container tightly closed in a cool place; S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice; S36/37/39 Wear suitable protective clothing, gloves and eye/face protection; S45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible); S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

**Hazard Rating System (Pictograms)**

<b>NFPA:</b>		<b>HMIS:</b>	
			
	<p>Health →</p> <p>← Flammability</p> <p>← Reactivity</p>		

Revision History:	<p>09/09/04 Initial Issue</p> <p>11/24/04 Section 2 contents and format changes throughout</p> <p>02/20/08 Format update, removal of incorrect chemical references</p> <p>04/30/08 Updated INCI name for Polyurethane Acrylate Oligomer</p> <p>* Most iBi gels are composed of oligomers made primarily from urethane methacrylates. iBi is using the designation Di HEMA Trimethylhexyl Dicarbamate, the official INCI name of urethane dimethacrylate, which is substantially the equivalent of Polyurethane Acrylate Oligomer.</p> <p>11/04/08 Review and general format update</p>
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# IMPRESSION BEAUTY INTERNATIONAL

## Material Safety Data Sheet

MSDS#: KIG090904-PBG

### UNIQUE BUILDER CLEAR GEL

	11/26/08 Updated Risk and Safety Phrases 12/09/08 Updated specific gravity
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