

Material Safety Data Sheet**PROFESSIONAL BUILDER GEL**

Page 1 of 7

Section 1 – Identification**Product Name:** PROFESSIONAL BUILDER GEL**Chemical Name:** N/A**Family:** UV GELS**Product Use:** NAIL GEL

Brand: TONES

Manufacturer: Global Sources USA Corp

1580 W 38 Pl # 13 Hialeah Fl, USA

Information contact: 786-3665885

Product #: 4020084**Section 2 – 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 heightened 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 potential 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 temperatures, 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.

NOTE: Refer to Section 11, Toxicological Information for Details

Section 3 – Composition/Information on Ingredients

Chemical Identity	CAS Numbers	EINECS#	INCI Name	Exposure	Limits	Carcinogen	%
				OSHA TWA/STEL	ACGIH TWA/STEL		
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	20 ppm	Not Listed	2-5
Hydroxycyclohexyl phenyl ketone	947-19-3	213-426-9	Hydroxycyclohexyl phenyl ketone	N/E	N/E	Not Listed	0-1
D & C Violet #2	81-48-1	201-353-5	Violet 2 / CI60725	N/E	N/E	Not Listed	0-1
N/E – None Established	N/DA – No Data Available		* See section 16				
N/R – Not Reviewed	N/A – Not Available						

Polyurethane Acrylate Oligomer: Hazard Symbol: Xi Risk Phrases: R36/37/38 Safety Phrases: S14, S3/7, S62

Material Safety Data Sheet**PROFESSIONAL BUILDER GEL**

Page 2 of 7

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 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

Method:

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.

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.

Material Safety Data Sheet**PROFESSIONAL BUILDER GEL**

Page 3 of 7

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 Protection

Engineering Controls	Local exhaust recommended to control exposure which may result from operations generating aerosols and hot operations generating vapors.
----------------------	--

Personal Protective Equipment

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 A Clear, mobile viscous gel	Odor & Odor Threshold characteristic acrylate odor	pH NA	Specific Gravity (H ₂ O=1) : 1.10	Viscosity N/DA	% Volatile By Volume : < 0.5		
Boiling Point/ Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient Log Po/w	Vapor Pressure:	Vapor Density	Evaporati on Rate	Ignition	Solubility In Water (20°C)
N/A	N/A	N/A	(mm Hg) @ 20 C : < 0.01	N/DA	N/DA	N/DA	Insoluble
Flash Point (°F/°C) > 212 °F/100°C Setaflash		Flammable Limit (vol%) No Data		Auto-ignition Temperature (vol%) No Data			

Section 10 – Stability and Reactivity

Stability Normally Stable	Incompatibility (Materials to Avoid): Polymerization initiators including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron ,rust and string bases.
Hazardous Decomposition Products: Fumes produced when heated to decomposition may include: carbon monoxide, carbon dioxide.	Hazardous Polymerization: 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.
Conditions to Avoid: Storage >100°F, exposure to light, loss of dissolved air, loss of polymerization inhibitor, contamination with incompatible materials.	

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)

Material Safety Data Sheet**PROFESSIONAL BUILDER GEL**

Page 4 of 7

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 ecotoxicological and chemical fate properties have not been thoroughly investigated.

Do not allow to enter drinking water supplies, wastewater, or soil.

Section 13 – Disposal Considerations

Non-contaminated, properly inhibited product is not a RCRA hazardous waste. It is the generators 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
Emergency Response Guidebook (ERG) #:	N/A
IATA (DGR):	
Proper Shipping Name:	Non-Regulated Material
Class or Division:	N/A
UN or ID Number:	N/A
Packaging Instructions:	None
Emergency Response Guidance (ICAO)#:	N/A
IMO (IMDG):	
Proper Shipping Name:	Non-Regulated Material
Class or Division:	N/A
UN or ID Number:	N/A
Special Provisions & Stowage/Segregation:	None
Emergency Schedule (EmS)#:	N/A
Other Information:	Flash point >100°C

Material Safety Data Sheet**PROFESSIONAL BUILDER GEL**

Page 5 of 7

Section 15 – Regulatory Information**US Federal Regulations**

Clean Air Act: HAP/ODS	This product contains the following hazardous air pollutants (HAP), as defined by the U. S. Clean Air Act: <ul style="list-style-type: none"> • NONE This product contains no ODS's
Clean Water Act: Priority Pollutant	This product contains no chemicals listed under the U. S. Clean Water Act Priority Pollutant List.
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 a hazardous chemical under the OSHA Hazard Communication Standard. Its hazards are: <ul style="list-style-type: none"> • Immediate (acute) health hazard • Delayed (chronic) health hazard • Reactive hazard
RCRA	This product is not considered to be a hazardous waste under RCRA (40 CFR 261).
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 no chemicals regulated under Section 304 as extremely hazardous chemical for emergency release notification ("CERCLA" List).
SARA Title III: Section 311-312:	This product is considered hazardous under the OSHA Hazard Communication Standard and is regulated under Section 311-312 (40 CFR 370). Its hazards are: <ul style="list-style-type: none"> • Immediate (acute) health hazard • Delayed (chronic) health hazard • Reactive hazard
SARA Title III: Section 313:	This product contains no 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.
TSCA Section 8(b): Inventory:	This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements.
TSCA Significant New Use Rule:	None of the chemicals listed have a SNUR under TSCA.

State Regulations

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.
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

International Regulations

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.
---	---

Material Safety Data Sheet**PROFESSIONAL BUILDER GEL**

Page 6 of 7

Labeling according to EC directives – 1999/45/EC

European Community:

**Professional Builder Gel:**

- HAZARD SYMBOLS: **Xi: Irritant**
- RISK PHRASES: **R22: Harmful if swallowed, R36/38: Irritating to eyes and skin, R43: May cause sensitization by skin contact.**
- SAFETY PHRASES: **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.**

Section 16 – Other Information**EU Classes and Risk / Safety Phrases for Referenced Ingredients (See Section 2):****Hazard Symbol:**

Xn – Harmful substance or preparation

Xi – Irritant

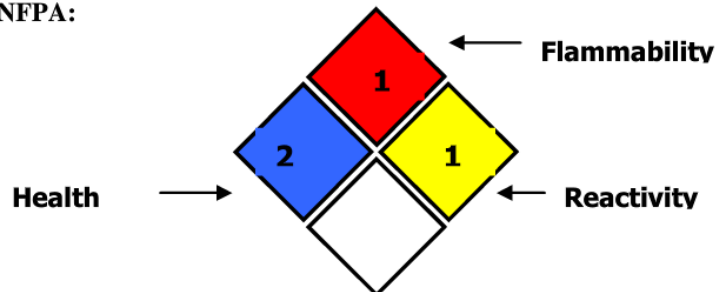
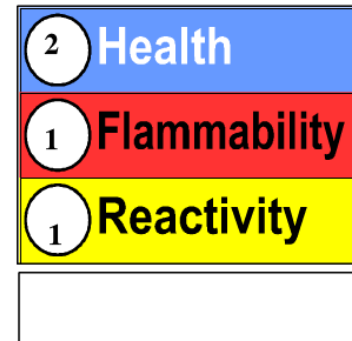
C – Corrosive substance or preparation

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)**NFPA:****HMIS:**

MSDS Prepared by:

BSQ

Revision History:	09/09/04 Initial Issue
	11/24/04 Section 2 contents and format changes throughout
	02/20/08 Format update, removal of incorrect chemical references
	04/30/08 Updated INCI name for Polyurethane Acrylate Oligomer. * Most Keystone gels are composed of oligomers made primarily from urethane methacrylates. Keystone is using the designation Di HEMA Trimethylhexyl Dicarbamate, the official INCI name of urethane dimethacrylate, which is substantially the equivalent of Polyurethane Acrylate Oligomer.
	11/04/08 Review and general format update
	11/26/08 Updated Risk and Safety Phrases
	12/09/08 Updated specific gravity
	03/18/09 Updated to meet Globally Harmonized System requirements. Added the EU address to section 1. Switched location of section 2 with section 3. Changed the title in sections 1, 8, and 13. Moved MSDS preparation to section 16.

Material Safety Data Sheet**PROFESSIONAL BUILDER GEL**

Page 7 of 7

	01/25/10	Added international emergency phone number to section 1
	04/14/11	Added D&C Violet #2 to Section 3.