



SAFETY DATA SHEET

SECTION 1 PRODUCT IDENTIFICATION

Product Name: Bottled Builder

Chemical Name: POLYURETHANE (METH)ACRYLATE PREPOLYMER RESIN BLEND

Product Use: PROFESSIONAL USE ONLY

Manufacturer's Name: Glittergasm Australia

Manufacturer's Address: 4 Queens Parade Brighton QLD 4017

Phone: 0490 387 854

Emergency Phone Number: Poisons Information Australia: 13 11 26

SECTION 2 HAZARD IDENTIFICATION

Hazard Identificaton:			
<p>WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. AVOID SKIN CONTACT DUE TO SENSITIZING POTENTIAL. CAUSES EYE IRRITATION. Hazard Statements (H):H317 - May cause an allergic skin reaction. H320 - Causes eye irritation. Precautionary Statements (P): P261 - Avoid breathing fumes/gas/vapors/spray. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves. P302 + P352 - IF ON SKIN - wash with soap and warm water. P305 + P351 + P338 - IF IN EYES - Rinse continually with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing. P333 + P313 - If skin reaction or a rash occurs, get medical attention. P337 + P313 - If eye irritation persists, P321 - for specific first aid treatment (see section 4 of this Safety Data Sheet). P363 - Wash contaminated clothing before reuse. P501 - Dispose of contents/container to a licensed treatment, storage or disposal facility (TSDF)</p>			
Routes of Entry:	Inhalation: Yes	Absorption: Yes	Ingestion: Yes
Effects of Exposure:			
INGESTION:	If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression.		
EYES & SKIN:	The liquid may produce eye discomfort and is capable of causing temporary impairment of vision and/or transient eye inflammation, ulceration. The vapor is discomforting to the eye. Splashes may cause severe eye irritation, possible corneal burns and eye damage. Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to the skin, especially after prolonged contact. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.		
INHALATION:	Vapors of this product may be moderately irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion and difficulty breathing. Inhalation of concentrated vapors can cause central nervous system depression (e.g., drowsiness, headaches, nausea). Odor may give some warning of exposure but odor fatigue may occur.		
Symptoms of Overexposure:	Symptoms of skin overexposure may include redness, itching and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.		
Acute Health Effects:	Moderate irritation to eyes near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.		
Chronic Health Effects:	The material may cause an allergic reaction for some sensitive individuals.		
Target Organs:	Eyes, skin		



SECTION 3 COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS INAIR (mg/m3)								
					ACGIH		NOHSC			OSHA			
					ppm		ppm			ppm			
TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	OTHER					
Bis-HEA Poly(propylene glycol)- 53 / IPDI copolymer	NA	NA	NA	20-60	NA	NA	NA	NF	NF	NA	NA	NE	
Bis-HEA Poly(propylene glycol)- 53 / IPDI copolymer	82339-16-0	NA	NA	20-60	NA	NA	NF	NF	NF	NA	NA	NA	
Bis-HEMA Trimethylhexamethylene Diisocyanate	NA	NA	NA	10-30	NA	NA	NF	NF	NF	NA	NA	NA	
Isobutyl Methacrylate	97-86-9	NA	NA	5-25	NA	NA	NF	NF	NF	NA	NA	NA	
PEG-4 Dimethacrylate	50657-38-0	NA	NA	5-25	NA	NA	NF	NF	NF	NA	NA	NA	
Tripropylene glycol diacrylate	42978-66-5	NA	NA	5-25	NA	NA	NF	NF	NF	NA	NA	NA	
1-Hydroxycyclohexyl phenyl ketone	947-19-3	NA	213-426-9	0.1-5	NA	NA	NF	NF	NF	NA	NA	NA	
Ttrimethylbenzoyl Phenylphosphine	162-881-26-7	NA	423-340-5	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
	Skin Sens. 1; Aquatic Chronic 4; H317, H413												
MAY ALSO CONTAIN:													
CI 77891 (Titanium Dioxide)	13463-67-7	XR2275000	236-675-7	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
CI 15850 (Red 6)	17852-98-1	NA	241-806-4	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
CI 47005 (Yellow 10)	8004-92-0	NA	305-897-5	≤1.0	NA	NA	NF	NF	NF	NA	NA	NA	
** Due to trade secret information, more detailed concentrations of the ingredients cannot be provided.													

SECTION 4 FIRST AID MEASURES

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 & SKIN:	If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If problem persists, seek immediate medical attention. If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water followed by a thorough washing of the affected area with plenty of soap and water. Remove all contaminated clothing including footwear and wash thoroughly before reuse. If irritation, redness or swelling persists, consult a physician immediately
INHALATION:	Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention.

Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin conditions and disorders of the target organs (eyes, skin)	HEALTH	1
		FLAMMABILITY	0
		PHYSICAL HAZARDS	0
		PROTECTIVE EQUIPMENT	B
		EYES SKIN	



SECTION 5 FIREFIGHTING MEASURES

Flashpoint & Method:		> 100 °C (> 212 °F)	
Autoignition Temperature:		NA	
Flammability Limits:		Lower Explosive Limit (LEL): NA	Upper Explosive Limit (UEL): NA
Fire & Explosion Hazards:	When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO2 and Nox)		
Extinguishing Methods:		Water, Foam, CO2, Dry Chemical	
Fire Fighting 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		

SECTION 6 ACCIDENTAL RELEASE MEASURES



Spills:	<p>Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., , 1 gallon [3.785 liters]) wear appropriate personal protective equipment (e.g., goggles & gloves). Maximize ventilation (open doors and windows). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. For large spills (e.g., > 1 gallon [3.785 liters]) deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Expose spilled material to UV light source for 2-5 minutes. Lift cured material from substrate and repeat until very little residue remains. Remove remaining spilled material with absorbent material and place into appropriate closed container(s). Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with warm, soapy water. Remove any contaminated clothing and wash before reuse. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.</p>
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SECTION 7 HANDLING AND STORAGE INFORMATION

Work & Hygiene Practices:	<p>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 and water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink or smoke while handling this product.</p>
Storage & Handling:	<p>Use and store in a cool, dry, well ventilated location. Keep away from excessive heat. 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!</p>
Special Precautions:	<p>Do not store where temperatures can exceed 50 °C (122 °F)</p>



SECTION 8 EXPOSURE CONTROLS & PERSONAL PROTECTION

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)	
Respiratory Protection:	No special respiratory protections 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, application U.S. State regulations or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC Member States or Australia	
Eye Protection:	Wear protective eyewear (e.g., safety glasses with side shields) 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	
Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., >1 gallon [3.785 liters]), wear nitrile or impervious gloves	
Body Protection:	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	

SECTION 9 PHYSICAL & CHEMICAL PROPERTIES

Density:	1.1
Boiling Point:	NA
Melting Point:	ND
Evaporation Rate:	NA
Vapor Pressure:	ND
Moecular Weight:	NA
Appearance & Colour:	Clear or pigmented liquid
Odor Threshold:	NE
Solubility:	Not Soluble
pH:	NA
Viscosity:	approximately 15,000 cps
Other Information:	NA

SECTION 10 STABILITY & REACTIVITY

Stability:	Relatively stable under ambient conditions when stored properly.
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 and nitrogen).
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Exposure or contact to extreme temperatures, incompatable chemicals, strong light sources, sparks and flame.
Incompatable Substances:	Strong oxidizers, peroxides, strong acids or alkalis.



SECTION 11 TOXICOLOGICAL INFORMATION

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:	Moderate irritation to eyes near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.
Chronic Toxicity:	The material may cause an allergic reaction for some sensitive individuals
Suspected Carcinogen:	The ingredients of this product are not listed as carcinogens by the National Toxicology Program and have not been evaluated by the Internail Agency for Research on Cancer or the American Conference of Government Industrial Hygenists.
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.
Teratogenicity:	This product is not reported to cause teratogenic effects in humans.
Irritancy of Product: Effects of Exposure:	
INGESTION:	If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression.
EYES & SKIN:	The liquid may produce eye discomfort and is capable of causing temporary impairment of vision and/or transient eye inflammation, ulceration. The vapor is discomforting to the eye. Splashes may cause severe eye irritation, possible corneal burns and eye damage. Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to the skin, especially after prolonged contact. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.
INHALATION:	Vapors of this product may be moderately irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion and difficulty breathing. Inhalation of concentrated vapors can cause central nervous system depression (e.g., drowsiness, headaches, nausea). Odor may give some warning of exposure but odor fatigue may occur
Biological Exposure Indicies:	NE
Physician Recommendations:	Treat symptomatically

SECTION 12 ECOLOGIAL INFORMATION

Environmental Stability:	This product will slowly volatile from soil. Components of this product will slowly decompose into organic compounds.
Effects on Plants & Animals:	There is no specific data available for this product on plant life.
Effects on Aquatic Life:	There is no specific data available for this product on aquatic life.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal:	Dispose in accordance with local, state and Federal waste laws.
Special Considerations:	This material becomes an inert plastic upon prolonged exposure to sources of UV light and sunlight. Disposal of inert plastics is safer for the environment and is more easily handled for disposal according to local, state and Federal regulations





SECTION 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, ADR and the CTDGR.


49 CFR (GRD):	NOT REGULATED
IATA (AIR):	NOT REGULATED
IMDG (OCN):	NOT REGULATED
TDGR (Canadian GND):	NOT REGULATED
ADR/RID (EU):	NOT REGULATED
MEXICO (SCT):	NOT REGULATED
ADGR (AUS):	NOT REGULATED

SECTION 15 REGULATORY INFORMATION

SARA Reporting:	NA	
SARA Threshold Planning Quantity:	NA	
TSCA Inventory Status:	All components of this product are listed in the TSCA Inventory or are exempt	
CERCLA Reportable Quantity (RQ):	NA	
Other Federal Requirements:	This products complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).	
Other Canadian Regulations:	This product has been classified according to the hazard criteria of the CPR and the SDS 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 on the Priorities Substances List	
State Regulatory Information:	Ingredients in this mixture are found on the following state criteria lists: Titanium Dioxide is listed on the following state criteria list(s): Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposure List (WA). Benzophenone is listed on the following state criteria list(s): MN. No toher ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnisota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI)	
67/548/EEC (European Union), Australian NOHSC:2011 (2003), and GHS Requirements:	The primary cononents of this product are not listed in Annex 1 of EU Directive 67/548/EEC. Irritant (Xi). Risk Phrases (R): 36/37/38 - Irritating to eyes, respiratory system and skin. Safety Phrases (S): 2-23-29 - Keep out of reach of Children. Do not breath gas, fumes, vapor or spray. Do not empty into drains.	



SECTION 16 OTHER INFORMATION

Other Information:	WARNING! MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. Avoid breathing fume, gas, mist, vapors, spray. Wear protective gloves and eye/face protection. IF ON SKIN - Wash with soap and water. IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - get medical advice/attention. Do not take internally. Keep away from heat and open flame. KEEP OUT OF THE REACH OF CHILDREN
Terms & Definitions:	Please see last page of this SDS.
Disclaimer:	This Safety Data Sheet (SDS) 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 Glittergasms knowledge, the information contained herein is reliable and accurate as of the date it was prepared; 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.
Prepared for and by: Glittergasm Australia 4 Queens Parade Brighton QLD 4017 PH: 0490 387 854	



DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
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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

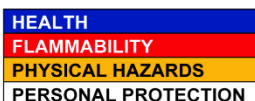
FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
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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	
B	
C	
D	
E	
F	

G	
H	
I	
J	
K	
X	Consult your supervisor or SOPs for special handling directions.



OTHER STANDARD ABBREVIATIONS:

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

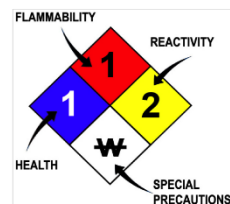
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion 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
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD ₀₁	Lowest dose to cause a symptom
TCLO	Lowest concentration to cause a symptom
TD ₀₁ , LD ₀₁ , & LD ₀₁ or TC, TC ₀₁ , LC ₀₁ , & LC ₀₁	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
TL _m	Median threshold limit
log K _{ow} or log K _{oc}	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)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

C	E	F	N	O	T	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:

GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment