

MATERIAL SAFETY DATA SHEET

GM-501 PIT FILL PROFESSIONAL GRADE RESIN

MSDS DATE: 04/17/2015

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: GM-501 PIT FILL PROFESSIONAL GRADE RESIN
 SYNONYMS:
 PRODUCT CODES:

MANUFACTURER: GLASS MECHANIX, LLC
 DIVISION: 350 W 2700 S, SALT LAKE CITY, UT 84115
 ADDRESS:

EMERGENCY PHONE: 800-826-8523
 CHEMTREC PHONE:
 OTHER CALLS:
 FAX PHONE:

CHEMICAL NAME: PROPRIETARY
 CHEMICAL FAMILY: PROPRIETARY
 CHEMICAL FORMULA: PROPRIETARY

PRODUCT USE: GLASS MECHANIX
 PREPARED BY:

SECTION 1 NOTES:**SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS****INGREDIENT:**

POLYURETHANE OLIGOMER

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
PROPRIETARY	--	10 - 20	NONE
	<u>ppm</u>	<u>mg/m3</u>	
OSHA PEL-TWA:	NE	NE	
OSHA PEL STEL :	NE	NE	
OSHA PEL CEILING:	NE	NE	
ACGIH TLV-TWA:	NE	NE	
ACGIH TLV STEL:	NE	NE	
ACGIH TLV CEILING:	NE	NE	

INGREDIENT:

HIGH BOILING METHACRYLATE

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
PROPRIETARY	--	20 - 30	NONE
	<u>ppm</u>	<u>mg/m3</u>	
OSHA PEL-TWA:	NE	NE	
OSHA PEL STEL :	NE	NE	
OSHA PEL CEILING:	NE	NE	
ACGIH TLV-TWA:	NE	NE	
ACGIH TLV STEL:	NE	NE	
ACGIH TLV CEILING:	NE	NE	

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INGREDIENT:

HIGH BOILING ACRYLATE

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
PROPRIETARY	--	10 - 20	NONE
	<u>ppm</u>	<u>mg/m3</u>	
OSHA PEL-TWA:	NE	NE	
OSHA PEL STEL :	NE	NE	
OSHA PEL CEILING:	NE	NE	
ACGIH TLV-TWA:	NE	NE	
ACGIH TLV STEL:	NE	NE	
ACGIH TLV CEILING:	NE	NE	

INGREDIENT:

PHOTOINITIATOR

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
947-19-3	--	1 - 4	NONE
	<u>ppm</u>	<u>mg/m3</u>	
OSHA PEL-TWA:	NE	NE	
OSHA PEL STEL :	NE	NE	
OSHA PEL CEILING:	NE	NE	
ACGIH TLV-TWA:	NE	NE	
ACGIH TLV STEL:	NE	NE	
ACGIH TLV CEILING:	NE	NE	

INGREDIENT:

ACRYLIC ACID

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
79-10-7	--	1 - 5	NONE
	<u>ppm</u>	<u>mg/m3</u>	
OSHA PEL-TWA:	NE	NE	
OSHA PEL STEL :	NE	NE	
OSHA PEL CEILING:	NE	NE	
ACGIH TLV-TWA:	2	NE	
ACGIH TLV STEL:	2	NE	
ACGIH TLV CEILING:	2	NE	

INGREDIENT:

HIGH BOILING (METH) ACRYLATE

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
PROPRIETARY	--	25 - 35	NONE
	<u>ppm</u>	<u>mg/m3</u>	
OSHA PEL-TWA:	NE	NE	
OSHA PEL STEL :	NE	NE	
OSHA PEL CEILING:	NE	NE	
ACGIH TLV-TWA:	NE	NE	
ACGIH TLV STEL:	NE	NE	
ACGIH TLV CEILING:	NE	NE	

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INGREDIENT:

HIGH BOILING (METH) ACRYLATE

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
PROPRIETARY	--	10 - 20	NONE
	<u>ppm</u>	<u>mg/m3</u>	
OSHA PEL-TWA:	NE	NE	
OSHA PEL STEL :	NE	NE	
OSHA PEL CEILING:	NE	NE	
ACGIH TLV-TWA:	NE	NE	
ACGIH TLV STEL:	NE	NE	
ACGIH TLV CEILING:	NE	NE	

SECTION 2 NOTES:

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

ROUTES OF ENTRY: INHALATION: SKIN; INGESTION

POTENTIAL HEALTH EFFECTS

EYES: POSSIBLE EYE IRRITATION ON CONTACT

SKIN: POSSIBLE SKIN IRRITATION ON CONTACT

INGESTION: UNKNOWN

INHALATION: INHALATION OF VAPORS IN AN UNVENTILATED AREA MAY OVER TIME INDUCE HEADECHES

ACUTE HEALTH HAZARDS: PROLONGED OR REPEATED CONTACT WITH SKIN MAY CAUSE THE FOLLOWING: SKIN SENSITIZATION; ALLERGIC CONTACT DERMATITIS. CONTACT WITH EYES MAY CAUSE REDNESS AND IRRITATION.

CHRONIC HEALTH HAZARDS: UNKNOWN

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: UNKNOWN

CARCINOGENICITY

OSHA: NO

ACGIH: NO

NTP: NO

IARC: NO

OTHER: NO

SECTION 3 NOTES:

SECTION 4: FIRST AID MEASURES

EYES: FLUSH EYES WITH WATER for 15 MINUTES, IF SYMPTOMS PERSIST GET MEDICAL ATTENTION.

SKIN: WASH SKIN WITH SOAP AND WATER. IF SYMPTOMS PERSIST GET MEDICAL ATTENTION.

INGESTION: UNKNOWN.

INHALATION: REMOVE AFFECTED PERSON TO FRESH AIR, IF SYMPTOMS PERSIST GET MEDICAL ATTENTION.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES:

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SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: NOT ESTABLISHED
(% BY VOLUME) LOWER: NOT ESTABLISHED

FLASH POINT:

F: >200°

C: >94°

METHOD USED:

AUTOIGNITION TEMPERATURE:

F: NOT ESTABLISHED

C: NOT ESTABLISHED

NFPA HAZARD CLASSIFICATION

HEALTH:

FLAMMABILITY:

REACTIVITY:

OTHER:

HMIS HAZARD CLASSIFICATION

HEALTH:

FLAMMABILITY:

REACTIVITY:

PROTECTION:

EXTINGUISHING MEDIA: WATER SPRAY, DRY CHEMICAL OR CO²

SPECIAL FIRE FIGHTING PROCEDURES: NONE

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

HAZARDOUS DECOMPOSITION PRODUCTS: TOXIC FUMES MAY OCCUR UPON EXPOSURE TO HEAT OR FLAME

SECTION 5 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: DIKE AREA TO PREVENT SPREADING, ABSORB ON VERMICULITE, SAND, OR INERT ABSORBING MATERIAL.

SECTION 6 NOTES:

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: AVOID STORAGE OVER 100° F, EXPOSURE TO LIGHT, LOSS OF DESOLVED AIR, CONTAMINATION WITH INCOMPATIBLE MATERIALS.

OTHER PRECAUTIONS: AVOID PROLONGED OR REPETED BREATHING OF VAPORS. AVOID SKIN OR EYE CONTACT, WEAR IMPERVIOUS GLOVES AND CLOTHING, WEAR EYE PROTECTION.

SECTION 7 NOTES:

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: NA

VENTILATION : POSITIVE LOCAL FRESH AIR EXHAUST.

RESPIRATORY PROTECTION: NOT NECESSARY IN NORMAL USE.

EYE PROTECTION: GOGGLES OR SAFETY GLASSES.

SKIN PROTECTION: CHEMICAL RESISTANT GLOVES.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: CHEMICAL RESISTANT CLOTHING IF FREQUENT CONTACT IS LIKELEY

WORK HYGIENIC PRACTICES: DO NOT USE ORGANIC SOLVENTS FOR CLEANUP; THEY MAY ACT AS CARRIER FOR ABSORPTION.

EXPOSURE GUIDELINES: NOT ESTABLISHED

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: CLEAR LIQUID

ODOR: SLIGHT ACIDIC OR PUNGENT ODOR

PHYSICAL STATE:

pH AS SUPPLIED: UNKNOWN

pH (Other): UNKNOWN

BOILING POINT:

F: NOT ESTABLISHED

C: NOT ESTABLISHED

MELTING POINT:

F: NOT ESTABLISHED

C: NOT ESTABLISHED

FREEZING POINT:

F: NOT ESTABLISHED

C: NOT ESTABLISHED

VAPOR PRESSURE (mmHg): 6

@

F: 86°

C: 30°

VAPOR DENSITY (AIR = 1): >1

@

F: 86°

C: 30°

SPECIFIC GRAVITY (H2O = 1): 1.03

@

F: 86°

C: 30°

EVAPORATION RATE: NOT ESTABLISHED

BASIS (=1): BUTYL ACETATE

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

SOLUBILITY IN WATER: INSOLUABLE

PERCENT SOLIDS BY WEIGHT: NA

PERCENT VOLATILE: NA

BY WT/ BY VOL

@

F:

C:

VOLATILE ORGANIC COMPOUNDS (VOC): NOT ESTABLISHED

WITH WATER: LBS/GAL

WITHOUT WATER: LBS/GAL

MOLECULAR WEIGHT: NA

VISCOSITY: 20 - 40 CPS

@

F: 60°

C: 16°

SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

STABLE

UNSTABLE

STABILITY: STABLE

CONDITIONS TO AVOID (STABILITY): NONE

INCOMPATIBILITY (MATERIAL TO AVOID): OXIDIZERS, AMINES, STRONG LEWIS OR MINERAL ACIDS, THIOSULFATES

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: TOXIC FUMES MAY OCCUR UPON EXPOSURE TO HEAT OR FLAME

HAZARDOUS POLYMERIZATION: MAY OCCUR

CONDITIONS TO AVOID (POLYMERIZATION): SMOKE AND TOXIC FUMES MAY BE EVOLVED AS A RESULT OF UNCONTROLLED EXOTHERMIC REACTION OF LARGE MASSES OF MATERIAL

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: NOT ESTABLISHED

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: NOT ESTABLISHED

SECTION 12 NOTES:

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SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: DESPOSE OF AS A CHEMICAL WASTE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS

RCRA HAZARD CLASS: IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE IF THIS MATERIAL IS A RCRA HAZARDOUS WASTE AT THE TIME OF DISPOSAL

SECTION 13 NOTES:

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: NOT REGULATED

HAZARD CLASS: NOT REGULATED

ID NUMBER: NOT REGULATED

PACKING GROUP: NOT REGULATED

LABEL STATEMENT: NOT REGULATED

WATER TRANSPORTATION

PROPER SHIPPING NAME: NOT REGULATED

HAZARD CLASS: NOT REGULATED

ID NUMBER: NOT REGULATED

PACKING GROUP: NOT REGULATED

LABEL STATEMENTS: NOT REGULATED

AIR TRANSPORTATION

PROPER SHIPPING NAME: NOT REGULATED

HAZARD CLASS: NOT REGULATED

ID NUMBER: NOT REGULATED

PACKING GROUP: NOT REGULATED

LABEL STATEMENTS: NOT REGULATED

OTHER AGENCIES:

SECTION 14 NOTES:

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): Not Listed

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): NA

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): NA

311/312 HAZARD CATEGORIES: NA

313 REPORTABLE INGREDIENTS: NONE

STATE REGULATIONS: None

INTERNATIONAL REGULATIONS: NA

SECTION 15 NOTES:

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SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

PREPARATION INFORMATION:

PREPARED BY: GLASS MECHANIX

DATE PREPARED: 01/14/2009

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