

MATERIAL SAFETY DATA SHEET

GM-500 PRO-LINE PROFESSIONAL GRADE RESIN

MSDS DATE: 04/17/2015

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: GM-500 PRO-LINE PROFESSIONAL GRADE RESIN
 SYNONYMS:
 PRODUCT CODES:

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

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

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

PRODUCT USE: WINDSHIELD REPAIR
 PREPARED BY: GLASS MECHANIX

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	

MATERIAL SAFETY DATA SHEET

GM-500 PRO-LINE WINDSHIELD REPAIR RESIN

MSDS DATE: 04/17/2015

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	

MATERIAL SAFETY DATA SHEET

GM-500 PRO-LINE WINDSHIELD REPAIR RESIN

MSDS DATE: 04/17/2015

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:

MATERIAL SAFETY DATA SHEET

GM-500 PRO-LINE WINDSHIELD REPAIR RESIN

MSDS DATE: 04/17/2015

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:

MATERIAL SAFETY DATA SHEET

GM-500 PRO-LINE WINDSHIELD REPAIR RESIN

MSDS DATE: 04/17/2015

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

MATERIAL SAFETY DATA SHEET

GM-500 PRO-LINE WINDSHIELD REPAIR RESIN

MSDS DATE: 04/17/2015

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:

MATERIAL SAFETY DATA SHEET

GM-500 PRO-LINE WINDSHIELD REPAIR RESIN

MSDS DATE: 04/17/2015

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:

MATERIAL SAFETY DATA SHEET

GM-500 PRO-LINE WINDSHIELD REPAIR RESIN

MSDS DATE: 04/17/2015

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

PREPARATION INFORMATION:

PREPARED BY: GLASS MECHANIX

DATE PREPARED: 01/14/2009

DISCLAIMER: INFORMATION PRESENTED HEREIN HAS BEEN COMPILED FROM SOURCE CONSIDERED TO BE ACCURATE AND DEPENDABLE TO THE BEST OF OUR KNOWLEDGE AND BELIEF BUT IS NOT GUARANTEED TO BE SO. NOTHING HEREIN IS TO BE CONSTRUED AS RECOMMENDING ANY PRACTICE OR ANY PRODUCT IN VIOLATION OF ANY LAW OR REGULATION. IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE SUITABILITY OF ANY MATERIAL FOR A SPECIFIC PURPOSE AND TO ADOPT SUCH SAFETY PRECAUTIONS AS NECESSARY. SINCE CONDITIONS OF USE ARE NOT UNDER OUR CONTROL, WE MUST DISCLAIM ALL LIABILITY WITH RESPECT TO THE USE AND DISPOSAL OF OUR PRODUCTS.