

**SECTION 1 : Identification of the substance/preparation and of the company / undertaking**

**(a) GHS product identifier**

Garreco Axcnt Auto Cure Repair Liquid

**(e) Emergency phone number**

CHEMTREC 1-800-424-9300

**(b) Other means of identification**

NA

**(c) Recommended use of the chemical and restrictions on use**

For professional dental applications.

**(d) Supplier's details**

Garreco, LLC.  
430 Hiram Road  
Heber Springs, AR 72543  
Phone: 1-800-334-1443

**SECTION 2: Hazards identification**

**(a) GHS classification of the substance/mixture**

**Substance Name**

1. Methyl Methacrylate Monomer
2. Ethylene Glycol Dimethacrylate

**(b) Label Elements**

**Hazard statements**

Causes skin irritation  
Causes severe eye irritations  
May cause an allergic skin reaction  
May cause respiratory irritation. May cause drowsiness or dizziness.  
Highly flammable liquid and vapor.

**Precautionary statements**

Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Contaminated work clothing should not be allowed out of the workplace  
Use only outdoors or in a well-ventilated area  
Keep away from heat/sparks/open flames/hot surfaces.--No smoking  
Keep container tightly closed  
Ground/bond container and receiving equipment  
Use explosion-proof equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge  
Keep cool

**Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing. Get medical attention if irritation occurs.  
If skin irritation or rash occurs: Get medical advice/attention  
IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower  
Wash contaminated clothing before reuse  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Call a POISON CENTER or doctor/physician if you feel unwell  
In case of fire: Use CO2, dry chemical, or foam for extinction.

**Storage**

Store in a well-ventilated place. Keep container tightly closed.  
Store locked up

**Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazard Symbol(s)**

Flame  
Exclamation mark

**Signal Word(s)**

Danger

**(c) Other hazards which do not result in classification**

Harmful to aquatic life with long lasting effects  
Harmful to aquatic life

**SECTION 3: Composition/information on ingredients**

**(a) Chemical(s) Identity:**

**Mixture:**

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**(b) Common Name:**

1. Methyl Methacrylate monomer
2. Ethylene Glycol Dimethacrylate

**(c) CAS No.**

80-62-6  
97-90-5

**Concentration (Percentage)**

>90%  
2.5 - 10%

**SECTION 4: First-aid measures****(a) Description of first aid measures:**

**IF IN EYES:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

**IF ON SKIN (OR HAIR):** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Seek medical attention if irritation develops.

**IF INHALED:** Remove to fresh air. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.

**IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting. Seek medical advice.

**(b) Most important symptoms and effects, both acute and delayed:**

Overexposure by inhalation may cause CNS depression-drowsiness, dizziness, confusion or loss of coordination. May cause skin and eye irritation. May cause allergic skin reaction. Will cause gastrointestinal tract irritation.

**(c) Indication of any immediate medical attention and special treatment needed:**

**Note to Physicians:** Treat symptomatically. Can cause allergic response in susceptible or hypersensitive individuals upon repeated or prolonged exposure.

**SECTION 5: Fire-fighting measures****(a) Suitable extinguishing media:**

Foam, Dry Chemical, Carbon Dioxide.

**Unsuitable Extinguishing Media:** Water jet.

**(b) Special hazards arising from the chemical or mixture:**

Vapors may travel to source of ignition and flash back.

**Sensitivity to Static Discharge:** Take precautionary measures against static discharge. Flammable mixtures of this product are readily ignited even by static discharge.

**(c) Special protective equipment and precautions for fire-fighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. In the event of fire, cool the endangered containers with water.

**SECTION 6: Accidental release measures****(a) Personal precautions, protective equipment and emergency procedures:**

**Personal Precautions:** Wear protective clothing as described in Section 8 of this safety data sheet. Remove all sources of ignition. The wet contaminated surface may be slippery.

**Environmental Precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). See section 12 for additional ecological information.

**(b) Methods and material for containment and cleaning up:**

**Methods for Containment:** Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite).

**Methods for Cleaning Up:** Use clean non-sparking tools to collect absorbed material. Sweep up absorbed material and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. For waste disposal, see section 13 of the SDS. Wash spill area with a mild detergent.

**SECTION 7: Handling and storage****(a) Precautions for safe handling:**

**Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Wear appropriate personal protective equipment. Wash face, hands, and any exposed skin thoroughly after handling. Keep away from heat/sparks/open flames/hot surfaces. --No smoking. Take precautionary measures against static discharges. Ground container and transfer equipment to eliminate static electric sparks. Use spark-proof tools and explosion-proof equipment. Avoid breathing vapors or mists. Contaminated work clothing should not be allowed out of the workplace. Use only in well-ventilated areas. Keep containers closed when not in use. Keep cool.

**(b) Conditions for safe storage, including any incompatibilities:**

**Storage Conditions:** Keep container tightly closed and store in a cool, dry and well-ventilated place. Store between 16°-26°C (69°-79°F). Store locked up. Protect from sunlight. Protect from damp. Store away from heat and incompatible materials.

**Incompatible Materials:** Organic peroxides, Reducing agent, Strong oxidizing agents.

**SECTION 8: Exposure controls/Personal protection****(a) Control parameters:**

1. Methyl Methacrylate	ACGIH TLV STEL: 100 ppm TWA: 50 ppm	OSHA PEL TWA: 100 ppm TWA: 410 mg/m <sup>3</sup> (vacated)	NIOSH IDLH IDLH: 1000 ppm TWA: 100 ppm TWA: 410 mg/m <sup>3</sup>
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**(b) Appropriate Engineering Controls:**

Good ventilation is required.

**(c) Individual protection measures:**

**EYE PROTECTION:** Splash goggles or safety glasses.

**SKIN AND BOODY PROTECTIONS:** Polyethylene / Nitrile gloves. Do not use cotton gloves. Rubber boots. Polyethylene apron is recommended.

**RESPIRATORY:** Ensure adequate ventilation, especially in confined areas. Use NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.

**GENERAL HYGIENE CONSIDERATIONS:** Handle in accordance with good industrial hygiene and safety practice.

**SECTION 9: Physical and chemical properties**

<b>(a) Appearance:</b>	Colorless liquid
<b>(b) Odor:</b>	Characteristic
<b>(c) Odor threshold:</b>	Not determined
<b>(d) pH:</b>	Not determined
<b>(e) Melting point / freezing point:</b>	Not determined
<b>(f) Initial boiling point and boiling range:</b>	100 °C / 212 °F @ 760 mm HG
<b>(g) Flash point</b>	8 °C / 46.4 °F Tag Closed Cup
<b>(h) Evaporation rate (BuAc=1):</b>	+1 (butyl acetate=1)
<b>(i) Flammability:</b>	Not determined
<b>(j) Upper/lower flammability or explosive limits:</b>	12 / 1.5%
<b>(k) Vapor Pressure:</b>	Not determined
<b>(l) Vapor density:</b>	+1 (Air=1)
<b>(m) Relative density:</b>	-1 (1=Water)
<b>(n) Solubility:</b>	Slightly soluble, Not determined in other solvents
<b>(o) Partition coefficient: n-octanol/water:</b>	Not determined
<b>(p) Auto-ignition temperature:</b>	430 °C / 806 °F
<b>(q) Decomposition temperature:</b>	Not determined
<b>(r) Viscosity:</b>	Not determined

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**SECTION 10: Stability and reactivity**

- (a) **Reactivity:** Not reactive under normal conditions.
- (b) **Chemical stability:** Stable under recommended storage conditions.
- (c) **Possibility of hazardous reactions:** Prolonged exposure to elevated temperatures which can cause premature polymerization and release methyl methacrylate vapors.
- (d) **Conditions to avoid:** Temperatures >35 °C (95 °F).
- (e) **Incompatible Materials:** Organic peroxides, Reducing agent, Metallic Redox systems, Strong oxidizing agents.
- (f) **Hazardous decomposition products:** None known based on information supplied

**SECTION 11: Toxicological information**

- Acute toxicity** Yes
- Skin corrosion/irritation** Causes skin irritation. May cause allergic skin reaction.
- Serious Eye Damage / Irritation** Causes serious eye irritation.
- Respiratory or skin sensitization** May cause irritation to the mucous membranes and upper respiratory tract.
- Germ cell mutagenicity** Not determined
- Carcinogenicity** Methyl Methacrylate Monomer - IARC - Group 3
- Reproductive toxicity** Not determined
- STOT-single exposure** May cause respiratory irritation. May cause drowsiness or dizziness.
- STOT-repeated exposure** Not determined
- Aspiration Hazard** Not determined

(a) **Exposure route:** Please see above for normal exposure routes.

(b) **Symptoms related to the physical, chemical and toxicological characteristics:**  
Please see section 4 of this SDS for symptoms.

(c) **Delayed and immediate effects and also chronic effects from short and long term exposure:**  
Please see above for effects.

(d) **Numerical measures of toxicity:**  
**Oral LD50** >7872 mg/kg (rat)  
**Dermal LD50** >5 g/kg (rabbit)  
**Inhalation LC50** 4632 ppm (rat) 4 h, 400 ppm (rat) 1 hr

**SECTION 12: Ecological information****(a) Ecotoxicity:**

1.Methyl Methacrylate	Aquatic Plants	Fish	Crustacea
		243-275: 96 h Pimephales promelas mg/L LC50 flow-through 125.5-190.7: 96 h Pimephales promelas mg/L LC50 static 170-206: 96 h Lepomis macrochirus mg/L LC50 flow-through 153.9-341.8: 96 h Lepomis macrochirus mg/L LC50 static 79: 96 h Oncorhynchus mykiss mg/L LC50 static 326.4-426-9: 96 h Poecilia reticulata mg/L LC 50 static	69: 48 h Daphnia magna mg/L EC50
	170: 96h Pseudokirchneriella subcapitata mg/L EC50		

**(b) Persistence and degradability:**

Not readily biodegradable

**(c) Bioaccumulative potential**

Not determined

**(d) Mobility in soil:**

Methyl Methacrylate Monomer - Partition Coefficient: 0.7

**(e) Other adverse effects:**

Not determined

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**SECTION 13: Disposal considerations****Product:****Recommendation**

**Disposal of Wastes:** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging:** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Methyl Methacrylate - RCRA: U162 - RCRA - Basis for Listing:** Included in waste stream: F039 - **RCRA - U Series Wastes: U162**

**California Hazardous Waste Status:** Toxic, ignitable

**SECTION 14: Transport information****(a) UN Number**

UN1247

**(b) UN Proper shipping name**

Methyl methacrylate monomer, stabilized

**(c) Transport hazard class(es)**

3

**(d) Packing Group**

II

**(e) Environmental hazards**

Not determined

**(f) Transport in bulk**

Not determined

**(g) Other Information**

Not determined

**SECTION 15: Regulatory information****SARA Reporting Requirements:**

Yes

**SARA Threshold Planning Quantity:**

1.00%

**TSCA Inventory Status:**

Not determined

**Other Federal Requirements:**

**CERCLA - Hazardous Substances RQs:** 1000 lb - Reportable Quantity: RQ  
1000 lb final RQ, RQ 454 kg final RQ

**CWA - CWA - Reportable Quantities:** 1000 lb

**Other Canadian Regulations:**

Not determined

**State Regulatory Information:**

**U.S. State Right-to-Know Regulations:** New Jersey, Massachusetts,  
Pennsylvania

**SECTION 16: Other information****PREPARED BY:** Kathryn Harris**GAR QMS SDS REFERENCE:** A397**HAZARDOUS MATERIAL IDENTIFICATION (HMIS) RATING:**

Health	Not determined
Flammability	Not determined
Reactivity	Not determined
Other	Not determined

**NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD IDENTIFICATION RATING:**

Health	Not determined
Flammability	Not determined
Reactivity	Not determined
Special Information	Not determined

**REVISION NUMBER:** 160215**CHANGES FROM PREVIOUS VERSION:**

INITIAL VERSION

**ABBREVIATIONS**

NA Not Applicable	LD Lethal Dose
ND Not Determined	TC Toxic Concentration
NE Not Established	TD Toxic Dose
ppm parts per million	BOD Biological Oxygen Demand
G Gallon	COD Chemical Oxygen Demand
mg Milligram	Lo Lowest
L Liter	ThOD Theoretical Oxygen Demand
gm Gram	TLm Threshold Limit
mol Mole	IC Inhibitory Concentration
kg Kilogram	DOC Dissolved Organic Carbon
μ Micro	H Hours
mm Millimeter	M Months
p Pico	D Days
Pa Pascals	Y Years
c cento	W Weeks
LC Lethal Concentration	NOEL No Observed Effect Level
ACGIH American Conference of Governmental Industrial Hygienist	NOAEL No Observed Adverse Effect Level
CPR Controlled Product's Regulation	DSL Canadian Domestic Substances List
NDSL Canadian Non-domestic Substance List	PEL Permissible Exposure Limit
IARC International Agency for Research for Cancer	TLV Threshold Limit Value
OSHA Occupational Safety and Health Administration	

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