

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

**(a) GHS product identifier**

Garreco Axcnt Acrylics Repair Denture Base (All Types)

**(e) Emergency phone number**

CHEMTRAC 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. Polymer
2. Diethyl Phthalate

**(b) Label Elements**

**Hazard Statements**

Suspected of damaging fertility or the unborn child

**Precautionary statements**

**Prevention**

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

IF exposed or concerned: Get medical advice/attention.

**Storage**

Store locked up.

**Disposal**

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard Symbol(s)**

Health Hazard

**Signal Word(s)**

Warning

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

For Polymer

OSHA classifies this material as Particulates, Not Otherwise Classified.

Acute hazards:

**IF IN EYES:** May be irritating to the eyes by gross overexposure, no matter how generated.

**IF SWALLOWED:** Not expected to cause any harmful effects.

**IF ON SKIN:** May be irritating to skin in some sensitive individuals, especially after prolonged and/or repeated contact.

**IF INHALED:** May be irritated by gross overexposure, no matter how generated.

For Diethyl Phthalate

Chronic Hazards:

**IF INHALED:** Persons with impaired lung function or asthma-like conditions may experience additional breathing difficulties.

**REPRODUCTIVE:** Possible teratogen.

**IF ON SKIN:** Persons with pre-existing skin disorders may be more susceptible to this material.

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

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

**(b) Common Name:**

1. Polymer
2. Diethyl Phthalate

**(c) CAS No.**

- 9011-14-7  
84-66-2

**Mixture:**

**Concentration (Percentage)**

- 60.0 - 100.0 %  
0.0 - 20.0%

**SECTION 4: First-aid measures**

**(a) Description of first aid measures:**

**IF ON SKIN (or hair):** If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the effected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately

**IF ON CLOTHING:** Remove contaminated clothing, wash thoroughly before reuse.

**IF INHALED:** Remove to fresh air. Seek immediate medical attention.

**IF SWALLOWED:** 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 anything by mouth to an unconscious person. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. Get medical attention immediately.

**IF IN EYES:** If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. If irritation occurs, contact a physician.

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

**IF ON SKIN:** Prolonged or repeated contact may cause redness, burning, drying, cracking and dermatitis.

**IF INHALED:** Difficulty breathing.

**IN SWALLOWED:** Ingestion of large amounts may be irritating if product is swallowed, may cause nausea, headache, vomiting and/or diarrhea.

**IN EYES:** Symptoms of overexposure may include redness, itching, irritation and watering.

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

**IF INHALED:** Difficulty breathing.

**IN SWALLOWED:** Ingestion of large amounts may be irritating if product is swallowed, may cause nausea, headache, vomiting and/or diarrhea.

**SECTION 5: Fire-fighting measures**

**(a) Suitable extinguishing media:**

Water, carbon dioxide, dry chemical.

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

Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust.

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

Avoid extinguishing methods, which may generate dust clouds. Water stream can disperse dust into air producing a fire hazard and possible explosion hazard if exposed to ignition source. Firefighters should wear self-contained breathing apparatus.

**SECTION 6: Accidental release measures**

**(a) Personal precautions, protective equipment and emergency procedures:**

Before cleaning any spill or leak, individuals involved must wear appropriate Personal Protective Equipment (e.g., goggles, gloves).

**(b) Environmental precautions:**

Dispose of properly in accordance with local, state and federal regulations.

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

Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when cleaning up spills. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse.

**SECTION 7: Handling and storage**

**(a) Precautions for safe handling:**

Use in well ventilated areas. Avoid contact with skin, eyes and clothing. Avoid breathing dust. Use good personal hygiene and housekeeping. After use, wash hands and exposed skin with soap and water. Do not eat, drink or smoke while handling product.

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

Store containers in a cool, dry location, away from direct sunlight, other light sources, or sources of intense heat. Keep container closed to prevent water absorption and contamination.

**SECTION 8: Exposure controls/Personal protection**

**(a) Control parameters:**

Chemical	ACGIH	OSHA
	TLV TWA	PEL TWA
1. Polymer	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
2. Diethyl Phthalate	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>

**(b) Appropriate Engineering Controls:**

When working with large quantities of product provide adequate ventilation (e.g., local exhaust ventilation, fans). Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes. Use good local exhaust at processing equipment, including buffers, sanders, grinders and polishers.

**(c) Individual protection measures:**

**RESPIRATORY PROTECTION:** No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, E.C. member states, or Australia.

**EYE PROTECTION:** Depending on the use of this product safety glasses or goggles may be worn. If necessary, refer to U.S. OSHA 29 CFR §1910.133, Canadian standards, or the European Standard EN166. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.

**PROTECTIVE GLOVES:** If anticipated that prolonged & repeated skin contact will occur during use of this product, wear gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. member states.

**OTHER PROTECTIVE EQUIPMENT:** No special body protection is required under typical circumstances of use and handling. If necessary, refer to appropriate standards of Canada, the E.C. member states, or U.S. OSHA. An eyewash station and a safety shower are recommended. High temperature processing equipment should be well ventilated.

**SECTION 9: Physical and chemical properties**

<b>(a) Appearance:</b>	Fine clear to pigmented powder.
<b>(b) Odor:</b>	Faint odor in bulk
<b>(c) Odor threshold:</b>	ND
<b>(d) pH:</b>	NA
<b>(e) Melting point / freezing point:</b>	ND
<b>(f) Initial boiling point and boiling range:</b>	ND
<b>(g) Flash point</b>	304° C, 580° F
<b>(h) Evaporation rate (BuAc=1):</b>	ND
<b>(i) Flammability:</b>	ND
<b>(j) Upper/lower flammability or explosive limits:</b>	ND
<b>(k) Vapor Pressure:</b>	ND
<b>(l) Vapor density:</b>	ND
<b>(m) Relative density:</b>	ND
<b>(n) Solubility:</b>	Insoluble
<b>(o) Partition coefficient: n-octanol/water:</b>	ND
<b>(p) Auto-ignition temperature:</b>	ND
<b>(q) Decomposition temperature:</b>	ND
<b>(r) Viscosity:</b>	ND

**SECTION 10: Stability and reactivity**

- (a) **Reactivity:** Low
- (b) **Chemical stability:** Stable
- (c) **Possibility of hazardous reactions:** Unlikely
- (d) **Conditions to avoid:** Heating above 240°
- (f) **Hazardous decomposition products:** Methacrylate Monomer and Oxides of Carbon when burned.

**SECTION 11: Toxicological information**

This product has NOT been tested on animals to obtain toxicology data. There is toxicology data for the components of the product, which is found in scientific literature. This data has not been presented in this document.

**Acute toxicity**

- Skin corrosion/irritation** ND
- Serious Eye Damage / Irritation** ND
- Respiratory or skin sensitization** ND
- Germ cell mutagenicity** This product is not reported to produce mutagenic effects in humans.
- Carcinogenicity** ND
- Reproductive toxicity** This product is not reported to cause reproductive effects in humans.
- STOT-single exposure** ND
- STOT-repeated exposure** ND
- Aspiration Hazard** ND

- (a) **Exposure route:** Eyes and lungs.
- (b) **Symptoms related to the physical, chemical and toxicological characteristics:** Eye and lung irritation.
- (c) **Delayed and immediate effects and also chronic effects from short and long term exposure:** Eye and lung irritation.
- (d) **Numerical measures of toxicity:** ND

**SECTION 12: Ecological information**

- (a) **Ecotoxicity:** There is no specific data available for this product; however, very large releases of this product may be harmful or fatal to overexposed aquatic life.
- (b) **Persistence and degradability:** ND
- (c) **Bioaccumulative potential** ND
- (d) **Mobility in soil:** ND
- (e) **Other adverse effects:** ND

**SECTION 13: Disposal considerations**

**Product:**

**Recommendation**

Dispose of properly in accordance with Federal, State, and Local regulations. Reuse of empty drums or containers is not recommended. Employees should be advised of the potential hazards due to residual material associated with empty containers. Dispose of all empty containers properly in accordance with Federal, State and Local regulations.

**SECTION 14: Transport information**

(a) UN Number	Not regulated
(b) UN Proper shipping name	POLYMER, NOI
(c) Transport hazard class(es)	NA
(d) Packing Group	NA
(e) Environmental hazards	NA
(f) Transport in bulk	NA
(g) Other Information	NA

**SECTION 15: Regulatory information**

SARA Reporting Requirements:	NA
SARA Threshold Planning Quantity:	NA
TSCA Inventory Status:	NA
Other Federal Requirements:	NA
Other Canadian Regulations:	NA
State Regulatory Information:	NA

**SECTION 16: Other information**

PREPARED BY: Kristofer Mainar  
GAR QMS SDS REFERENCE: A100

**HAZARDOUS MATERIAL IDENTIFICATION (HMIS) RATING:**

Health	1
Flammability	1
Reactivity	0
Other	Gloves and Safety Glasses or Chemical Goggles.

REVISION NUMBER: 140507

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 cent	W Weeks
LC Lethal Concentration	IARC International Agency for Research for Cancer
ACGIH American Conference of Governmental Industrial Hygienist	NOEL No Observed Effect Level
CPR Controlled Product's Regulation	NOAEL No Observed Adverse Effect Level
DSL Canadian Domestic Substances List	OSHA Occupational Safety and Health Administration
NDSL Canadian Non-domestic Substance List	PEL Permissible Exposure Limit
	TLV Threshold Limit Value

THIS MATERIAL SAFETY DATA SHEET IS PREPARED IN COMPLIANCE WITH FEDERAL REGULATIONS (29 CFR 1910.1200) OF CHEMICALS AND THE GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING REVISION 5. ANY APPLICABLE STATE AND LOCAL REGULATIONS SHOULD BE CONSULTED. THE ABOVE INFORMATION MAY BE BASED IN PART ON INFORMATION PROVIDED BY COMPONENT SUPPLIERS AND IS BELIEVED TO BE CORRECT AS OF THE DATE HEREOF. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OF THESE DATA, THE RESULTS TO BE OBTAINED FROM THE USE OF THE MATERIAL, OR THE HAZARDS CONNECTED WITH SUCH USE. SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL AND WITH WHICH WE MAY BE UNFAMILIAR, AND SINCE DATA MADE AVAILABLE SUBSEQUENT TO THE DATE HEREOF MAY SUGGEST MODIFICATION OF THE INFORMATION, WE ASSUME NO RESPONSIBILITY FOR THE RESULT OF ITS USE. THIS INFORMATION AND MATERIAL IS FURNISHED ON THE CONDITION THAT THE PERSON RECEIVING IT SHALL MAKE HIS/HER OWN DETERMINATION AS TO THE SUITABILITY OF THE MATERIAL FOR HIS/HER PARTICULAR PURPOSE AND ON THE CONDITION THAT HE/SHE ASSUME THE RISK OF HIS/HER USE THEREOF.