

SAFETY DATA SHEETS

This SDS packet was issued with item:

073297074

N/A

PERform Acrylic Powder**Material Safety Data Sheet****Section I Garreco, Inc.**Manufacturer: **P. O. Box 1258****Heber Springs, AR 72543**

Emergency Telephone Number: CHEMTREC 800-424-9300

Telephone Number for Information: 501-362-6261

Date Prepared: 5/16/2011

Section II - Hazardous Ingredients/Identity Information

Hazardous Components	OSHA PEL	ACGIH TLV	Other Limits Recommended
Dialkyl Phthalate (CAS# 84-66-2)	5 mg/m ³	5 mg/m ³	
Titanium Dioxide (CAS# 13453-67-7)	15 mg/m ³	10 mg/m ³	
Cadmium Pigments (CAS# 7440-43-9)	.2 mg/m ³	.05 mg/m ³	
Mineral Pigments (CAS# 57453-37-5)	15 mg/m ³	10 mg/m ³	

Section III - Physical/Chemical Characteristics

Boiling Point: N/A	Specific Gravity (H ₂ O=1): 1.25
Vapor Pressure (mm Hg.): N/A	Melting Point: N/A
Vapor Density (AIR=1): N/A	Evaporation Rate (Butyl Acetate =1): N/A
Solubility in Water: Insoluble	Appearance and Odor: Fine, pink powder. Faint odor in bulk

Section IV - Fire and Explosion Hazard Data

Flash Point : 304°C Flammable Limits LEL: N/A UEL: N/A

Extinguishing Media: Water, carbon dioxide, dry chemical.

Unusual Fire and Explosion Hazards: Polymer dust is combustible. The explosive limits of the polymer particles suspended in the air are approximately those of coal dust.

Special Fire Fighting Procedures: Avoid extinguishing methods which may generate dust clouds. Water stream can disperse dust in air, producing a fire hazard and possible explosion hazard.

Section V - Reactivity Data

Stability: Stable	Conditions to Avoid: Heating above 300°C
Incompatibility: Strong oxidizing agents	
Hazardous Decomposition or By-products: Acrylate and methacrylate monomers and oxides of carbon.	
Hazardous Polymerization: Will Not Occur	Conditions to Avoid: N/A

Section VI - Health Hazard Data

Route(s) of Entry: Inhalation? N/A Skin? N/A Ingestion? N/A

Health Hazards: Acute or Chronic; N/A

Carcinogenicity: NTP? N/A IARC Monographs? N/A OSHA Regulated? N/A

Signs and Symptoms of Exposure: N/A

Medical Conditions Generally Aggravated by Exposure: Avoid inhalation of dust. Keep dust out of eyes to prevent possible irritation.

Emergency and First Aid Procedures: Inhalation: Remove to fresh air. Get medical help if discomfort persists. Skin: Wash with soap and water. Eye: Flush with water for 15 minutes, including under the eyelids.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: Sweep up to avoid slipping hazard. Keep airborne particulate at a minimum when cleaning up spills.

Waste Disposal Method: May be disposed of in a landfill or incinerated. Follow Federal, State, and Local regulations.

Precautions to Be Taken in Handling and Storing: Store in a cool, dry place. Keep container closed to prevent water absorption and contamination.

Section VIII - Control Measures

Respiratory Protection: Nuisance dust type if needed

Ventilation Local Exhaust: Recommended

Special: NAIF

Mechanical (General): N/A

Other: NAIF

Protective Gloves: If hot plastic is handled

Eye Protection: Safety glasses

Other Protective Clothing or Equipment: N/A

Work/Hygienic Practices: N/A

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Form No. A586

Date Prepared:

2/12/2018

SECTION 1 : Identification of the substance/preparation and of the company / undertaking**(a) GHS product identifier**

PERform Acrylic Powder Standard Color Stabilized Polymer

(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: (800) 334-1443

SECTION 2: Hazards identification**(a) GHS classification of the substance/mixture****Substance Name**

- 1 Copolymer based on methyl methacrylate
- 2 Dibenzoyl peroxide

(b) Label Elements**Hazard statements**

Highly flammable liquid and vapor.
 May cause respiratory irritation.
 May cause an allergic skin reaction.
 Heating may cause a fire or explosion.
 Causes serious eye irritation.

Precautionary statements

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 Keep container tightly closed in original packaging.
 Ground and bond container and receiving equipment.
 Use explosion-proof equipment.
 Use non-sparking tools. Take action to prevent static discharges.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.
 Wash thoroughly after handling. Contaminate clothing should not be allowed out of the workplace.

Response

IF ON SKIN: Take off all contaminated clothing and wash before reuse. Rinse skin with water. If skin irritation occurs get medical attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Contact a doctor if you feel unwell.

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Drink large amounts of water.

IF IN EYES: Rinse with water for 15 minutes. Remove contact lenses, if present and easy to do. If irritation persists: get medical attention.

Storage

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

Disposal

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

Hazard Symbol(s)

Flame
 Exclamation Mark
 Exploding Bomb

Signal Word(s)

Danger

(c) Other hazards which do not result in classification

N/A

SECTION 3: Composition/information on ingredients**(a) Chemical(s) Identity:****(b) Common Name:**

- 1 Copolymer based on methyl methacrylate
- 2 Dibenzoyl peroxide

(c) CAS No.

80-62-6
 97-36-0

Mixture:**Concentration (Percentage)**

97%
 2%

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

IF ON SKIN: Wash off immediately with soap and water. If skin irritation occurs, seek medical advice.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Contact a doctor if you feel unwell.

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Drink large amounts of water.

IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do.

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

Coughing, wheezing, shortness of breath. Eye irritation and redness. Skin irritation, allergic reaction, itching.

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

N/A

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

Water spray jet, foam, dry powder, carbon dioxide.

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

As soon as the acrylic starts to melt and the viscous mass is on fire this material may behave like burning oil or grease when in contact with water. It is recommended to extinguish the fire with an extinguishing gel.

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

Wear self-contained respiratory protective device.

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

Filtering half mask, protective goggles, protective gloves made of butyl rubber.

(b) Environmental precautions:

Do not allow to enter soil, waterways or waste water.

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

Pick up mechanically and dispose in accordance to government regulations.

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

Avoid dust formation. Take precautionary measures against static discharges.

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

Store dry. Keep out of direct sunlight.

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

Chemical	ACGIH		OSHA	
	TLV		PEL TWA	
1 Polymethyl methacrylate	50 ppm		50 ppm	
2 Benzoyl peroxide	5 mg/m ³		5.0 mg/m ³	

(b) Appropriate Engineering Controls:

Use non-explosion dust measures to ensure ventilation. Use suction at the workplaces.

(c) Individual protection measures:

RESPIRATORY: Filtering half mask.

Eye: Wear protective goggles.

Hand: Wear protective gloves made of butyl rubber, break through time 300 min.

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Date Prepared: 2/12/2018**SECTION 9: Physical and chemical properties**

(a) Appearance:	White or pink powder or pink with fibers.
(b) Odor:	Odorless
(c) Odor threshold:	NA
(d) pH:	NA
(e) Melting point / freezing point:	NA
(f) Initial boiling point and boiling range:	ND
(g) Flash point:	> 250°C
(h) Evaporation rate (BuAc=1):	ND
(i) Flammability:	Highly flammable
(j) Upper/lower flammability or explosive limits:	400°C, 250°C
(k) Vapor Pressure:	NA
(l) Vapor density:	NA
(m) Relative density:	1,16 g/cm ³ at 20°C
(n) Solubility:	Insoluble
(o) Partition coefficient: n-octanol/water:	ND
(p) Auto-ignition temperature:	>400°C
(q) Decomposition temperature:	>250 °C
(r) Viscosity:	NA

SECTION 10: Stability and reactivity

(a) Reactivity:	Low
(b) Chemical stability:	Stable
(c) Possibility of hazardous reactions:	Low
(d) Conditions to avoid:	Avoid temperatures at or near 250°C.
(f) Hazardous decomposition products:	During thermal decomposition combustible, irritating vapors are formed, consisting mainly of methyl methacrylate.

SECTION 11: Toxicological information

Acute toxicity	ND
Skin corrosion/irritation	Allergic reactions on humans were recorded
Serious Eye Damage / Irritation	Allergic reactions on humans were recorded
Respiratory or skin sensitization	Allergic reactions on humans were recorded
Germ cell mutagenicity	ND
Carcinogenicity	The substance shows tumor promoting properties in animal test.
Reproductive toxicity	Danger of damage to unborn children is not to be feared as long as the value does not exceed above OSHA amount.
STOT-single exposure	ND
STOT-repeated exposure	The substance shows tumor promoting properties in animal test.
Aspiration Hazard	Do not breath dust. May cause lung irritation.

(a) Exposure route:	Skin, lung, eyes
(b) Symptoms related to the physical, chemical and toxicological characteristics:	Skin and eye irritation.
(c) Delayed and immediate effects and also chronic effects from short and long tem exposure:	Allergic reactions and tumor promoting properties.
(d) Numerical measures of toxicity:	ND

SECTION 12: Ecological information

(a) Ecotoxicity:	Do not allow to enter soil, waterways or waste water.
(b) Persistence and degradability:	Do not allow to enter soil, waterways or waste water.
(c) Bioaccumulative potential	Do not allow to enter soil, waterways or waste water.
(d) Mobility in soil:	Do not allow to enter soil, waterways or waste water.
(e) Other adverse effects:	ND

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Date Prepared: 2/12/2018**SECTION 13: Disposal considerations****Product:****Recommendation**

Must be disposed of in accordance with the regulations of the local authorities and the disposal company in a suitable and licensed facility. Contaminate packaging can be burned in accordance to local regulations.

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

UN1247

(b) UN Proper shipping name

Methyl Methacrylate Monomer

(c) Transport hazard class(es)

3

(d) Packing Group

2

(e) Environmental hazards

NA

(f) Transport in bulk

NA

(g) Other Information

NA

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

Not regulated

SARA Threshold Planning Quantity:

Not regulated

TSCA Inventory Status:

Listed on inventory

Other Federal Requirements:

Not regulated

Other Canadian Regulations:

Not determined

State Regulatory Information:

NA

SECTION 16: Other information**PREPARED BY:**

Kristofer Mainar

GAR QMS SDS REFERENCE:

A312

HAZARDOUS MATERIAL IDENTIFICATION (HMIS) RATING:

Health	2
Flammability	3
Reactivity	2
Other	0

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATING:

Health	2
Flammability	3
Reactivity	2
Other	NA

REVISION NUMBER:

180212

CHANGES FROM PREVIOUS VERSION:

Change to clarify name. Replaces A352

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Date Prepared: 2/12/2018**ABBREVIATIONS**

NA Not Applicable
ND Not Determined
NE Not Established
ppm parts per million
G Gallon
mg Milligram
L Liter
gm Gram
mol Mole
kg Kilogram
μ Micro
mm Millimeter
p Pico
Pa Pascals
c cento
LC Lethal Concentration
ACGIH American Conference of Governmental Industrial Hygienist
NDSL Canadian Non-domestic Substance List
IARC International Agency for Research for Cancer
NOEL No Observed Effect Level
OSHA Occupational Safety and Health Administration

LD Lethal Dose
TC Toxic Concentration
TD Toxic Dose
BOD Biological Oxygen Demand
COD Chemical Oxygen Demand
Lo Lowest
ThOD Theoretical Oxygen Demand
TLm Threshold Limit
IC Inhibitory Concentration
DOC Dissolved Organic Carbon
H Hours
M Months
D Days
Y Years
W Weeks
NOAEL No Observed Adverse Effect Level
PEL Permissible Exposure Limit
TLV Threshold Limit Value
CPR Controlled Product's Regulation
DSL Canadian Domestic Substances List

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.