Safety Data Sheet A487

Form No.

CHEMTREC 1-800-424-9300

(e) Emergency phone number

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

(a) GHS product identifier

Garreco Axcent Acrylic Liquid Monomer for Pour Type Acrylics

(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
- 1, 4-Butanediol Dimethacrylate 2.

(b) Label Elements

Hazard statements

Causes skin irritation Causes severe eve 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

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SECTION 3: Composition/information on ingredients (a) Chemical(s) Identity:		Mixture:	
(b) Common Name:	(c) CAS No.	Concentration (Pe	centage)
1. Methyl Methacrylate monomer	80-62-6	>96%	centage,
2. 1,4-Butanediol Dimethacrylate	2082-81-7	<4%	
SECTION 4: First-aid measures			
(a) Description of first aid measures:			
IF IN EYES: Immediately flush eyes with plenty of water, or remove any contact lenses. Continue to rins			
IF ON SKIN (OR HAIR): Wash off immediately with soap and shoes. Seek medical		-	taminated clothe
IF INHALED: Remove to fresh air. If rapid recovery does treat	not occur, transpo atment.	t to nearest medical fa	cility for additiona
IF SWALLOWED: Rinse mouth. Do No	OT induce vomiting	. Seek medical advice.	
(b) Most important symptoms and effects, both acute and d	elaved:		
Overexposure by inhalation may cause CNS depression- cause skin and eye irritation. May cause allergic s	drowsiness, dizzine		
(c) Indication of any immediate medical attention and specia Note to Physicians: Treat symptomatically. Can individuals upon rep	n cause allergic res	ponse in susceptible or	hypersensitive
SECTION 5: Fire-fighting measures			
(a) Suitable extinguishing media:			
Foam, Dry Chem Unsuitable Extingui	ical, Carbon Dioxide shing Media: Wate		
(b) Special hazards arising from the chemical or mixture:			
Vapors may travel to sour	rce of ignition and fl	ash back.	
Sensitivity to Static Discharge: Take precautionary me product are readily ignite	easures against stat	ic discharge. Flammab	le mixtures of this
(c) Special protective equipment and precautions for fire-fig	uhters:		
As in any fire, wear self-contained breathing apparatus pr		SHA/NIOSH (approved	or equivalent) ar
SECTION 6: Accidental release measures			
(a) Personal precautions, protective equipment and emerge	ncy procedures:		
	• •	9 of this sofaty data ab	
Personal Precautions: Wear protective clothing as de	escribed in Section	o or this safety data sh	et. Remove all
Personal Precautions: Wear protective clothing as de sources of ignition. The wet con		•	eet. Remove all
	taminated surface r	nay be slippery.	
sources of ignition. The wet con	taminated surface r material and runoff has caused environ	nay be slippery. and contact with soil, v mental pollution (sewe	vaterways, drains
sources of ignition. The wet con Environmental Precautions: Avoid dispersal of spilled and sewers. Inform the relevant authorities if the product or air). See section 12 for ac	taminated surface r material and runoff has caused environ	nay be slippery. and contact with soil, v mental pollution (sewe	vaterways, drains
sources of ignition. The wet con Environmental Precautions: Avoid dispersal of spilled and sewers. Inform the relevant authorities if the product or air). See section 12 for ac (b) Methods and material for containment and cleaning up: Methods for Containment: Contain and collect spillage	taminated surface r material and runoff has caused environ dditional ecological with non-combustil	nay be slippery. and contact with soil, v mental pollution (sewe information.	vaterways, drains rs, waterways, so
sources of ignition. The wet con Environmental Precautions: Avoid dispersal of spilled and sewers. Inform the relevant authorities if the product or air). See section 12 for ac (b) Methods and material for containment and cleaning up: Methods for Containment: Contain and collect spillage	taminated surface r material and runoff has caused environ dditional ecological with non-combustil earth, vermiculite).	nay be slippery. and contact with soil, v mental pollution (sewe information. ble absorbent material,	vaterways, drains rs, waterways, so (e.g. sand, earth

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 damp. Store away from heat and incompatible materials. **Incompatible Materials:** Organic peroxides, Reducing agent, Metallic Redox systems, 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/m³ (vacated) NIOSH IDLH IDLH: 1000 ppm TWA: 100 ppm TWA: 410 mg/m³

(b) Appropriate Engineering Controls:

Good ventilation is required.

(c) Individual protection measures:

EYE PROTECTION: Splash googles 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			
(a) Appearance:	Colorless liquid		
(b) Odor:	Characteristic		
(c) Odor threshold:	Not determined		
(d) pH:	Not determined		
(e) Melting point / freezing point:	-48°C		
(f) Initial boiling point and boiling range:	100°C / 212°F @ 760 mm HG		
(g) Flash point	8°C / 46.4°F Tag Closed Cup		
(h) Evaporation rate (BuAc=1):	+1 (butyl acetate=1)		
(i) Flammability:	Not determined		
(j) Upper/lower flammability or explosive limits:	12 / 1.5%		
(k) Vapor Pressure:	47hPa @ 20°C		
(I) Vapor density:	+1 (Air=1)		
(m) Relative density:	-1 (1=Water)		
(n) Solubility:	Slightly soluble, Not determined in other solvents		
(o) Partition coefficient: n-octanol/water:	Not determined		
(p) Auto-ignition temperature:	430°C / 806°F		
(q) Decomposition temperature:	Not determined		
(r) Viscosity:	Not determined		

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SECTION 10: Stability and reactiv	/ity	Not reactive under normal condition	ne l		
(b) Chemical stability:		Stable under recommended storage conditions.			
(c) Possibility of hazardous react	ions:	Prolonged exposure to elevated temperatures which can cause prem polymerization and release methyl methacrylate vapors.			
(d) Conditions to avoid:		Temperatures >35°C (95°F).			
(e) Incompatible Materials:	C	ganic peroxides, Reducing agent, Metallic Redox systems, Strong oxidizing agents.			
(f) Hazardous decomposition pro	ducts:	None known based on information su	Ipplied		
SECTION 11: Toxicological infor	mation				
Acute toxicity		Yes	reaction		
Skin corrosion/irritation Serious Eye Damage / Irritation		Causes skin irritation. May cause allergic skin reaction. Causes serious eye irritation.			
Respiratory or skin sensitization	May car	use irritation to the mucous membranes and upp	er respiratory tract.		
Germ cell mutagenicity		Not determined			
Carcinogenicity		Methyl Methacrylate Monomer - IARC - Gr	oup 3		
Reproductive toxicity		Not determined			
STOT-single exposure	May	cause respiratory irritation. May cause drowsine	ess or dizziness.		
STOT-repeated exposure		Not determined			
Aspiration Hazard		Not determined			
(a) Exposure route:		Please see above for normal exposure routes.			
(c) Delayed and immediate effect		effects from short and long tem exposure: ase see above for effects.			
(d) Numerical measures of toxici	ty:	Oral LD50 >5000 mg/kg (rat) Dermal LD50 >5000 mg/kg (rabbit) Inhalation LC50 29.8 mg/l (rat) 4 h, 400 ppm (rat) 1 hr			
SECTION 12: Ecological information	tion				
(a) Ecotoxicity:					
1.Methyl Methacrylate	Aquatic Plants	Fish	Crustacea		
F	170: 96h Pseudokirchneriella subcapitata mg/L EC50	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		
(b) Persistence and degradability	<i>.</i> :	Not determined			
(c) Bioaccumulative potential					
(d) Mobility in soil:		Not determined			
(a) Other advance affects		Methyl Methacrylate Monomer - Partition Coef	ficient: 0.7		
(e) Other adverse effects:		Not determined			

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orm No.	A487	Date Prepared: 9/13/2016
Product	N 13: Disposal considerations	
	 nendation	
Recomm		al should be in accordance with applicable regional, national and local laws and
	Disposal of Wastes. Dispos	regulations.
(Contaminated Packaging: Disp	posal should be in accordance with applicable regional, national and local laws and
		regulations.
M	ethyl Methacrylate - RCRA: U1	162 - RCRA - Basis for Listing: Included in waste stream: F039 - RCRA - U Seri
	C	Wastes: U162 alifornia Hazardous Waste Status: Toxic, ignitable
		anorna nazaruous waste status. Toxic, igritable
(a) UN N	N 14: Transport information	
	umber	UN1247
(b) UN P	Proper shipping name	
		Methyl methacrylate monomer, stabilized
(c) Trans	sport hazard class(es)	_
		3
(d) Pack	king Group	П
(e) Envii	ronmental hazards	··
		Not determined
(f) Trans	sport in bulk	
(a) Otho	r Information	Not determined
(g) Othe	er Information	Not determined
	N 15: Regulatory information eporting Requirements:	Yes
	seporting Requirements.	
SARA T	hreshold Planning Quantity:	1.00%
TSCA In	ventory Status:	Not determined
		CERCLA - Hazardous Substances RQs: 1000 lb - Reportable Quantity: RG
Other Fe	ederal Requirements:	1000 lb final RQ, RQ 454 kg final RQ
		CWA - CWA - Reportable Quantities: 1000 lb
Other Ca	anadian Regulations:	Not determined
		II.O. Otata Biolet to Know Base Istimus March March 199
State Re	egulatory Information:	U.S. State Right-to-Know Regulations: New Jersey, Massachusetts, Pennsylvania
		i cinisyivania

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SECTION 16: Other information					
PREPARED BY:	Kristo	fer Mainar			
GAR QMS SDS REFERENCE:	A400				
HAZARDOUS MATERIAL IDENT					
	•	Not determined	4		
		Not determined			
	•	Not determined			
C	Other	Not determined	t		
				DATING.	
	lealth	NFPA) HAZAR		RATING:	
	lammability	Not deter			
	Reactivity	Not deter			
	pecial Information				
REVISION NUMBER:	160913				
CHANGES FROM PREVIOUS VE	RSION:	Cla	rified Product Nam	le	
ABBREVIATIONS					
NA Not Applicable			LD Lethal	Dose	
ND Not Determined			TC Toxic	Concentration	
NE Not Established			TD Toxic	Dose	
ppm parts per million				ogical Oxygen Demand	
G Gallon				mical Oxygen Demand	
mg Milligram			Lo Lowest		
L Liter				eoretical Oxygen Demar	ıd
gm Gram				shold Limit	
mol Mole kg Kilogram				ry Concentration olved Organic Carbon	
μ Micro			H Hours	olved Organic Carbon	
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 G	Governmental Inc	lustrial Hygienis	st NOAEL N	o Observed Adverse Eff	ect Level
CPR Controlled Product's Regulat				idian Domestic Substan	ces List
NDSL Canadian Non-domestic Su				issible Exposure Limit	
IARC International Agency for Res			LV Three	shold Limit Value	
OSHA Occupational Safety and He	ealth Administral	ion			

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