

ECO CorFlex

Molecular Industrial Polymers

SAFETY DATA SHEET

PRODUCT NAME: POLY HYBRID GEN-II (PART A)

HMIS RATINGS: H F PH

PRODUCT DESCRIPTION: POLYASPARTIC CLEAR 3:2

2 2 0

SECTION I: COMPANY IDENTIFICATION

DISTRIBUTOR'S NAME:	ECO-CORFLEX INDUSTRIAL POLYMERS		
ADDRESS:	3801 E. ROESER ROAD, SUITE #1, PHOENIX, AZ 85040		
EMERGENCY PHONE #:	1-800-255-3924	DATE REVISED:	JUL 12, 2022
INFORMATION PHONE #:	1-866-406-2628	NAME OF PREPARER:	TECH. DEPT.

SECTION II: HAZARDS IDENTIFICATION

GHS RATINGS:

SKIN CORROSIVE 2 - REVERSIBLE ADVERSE EFFECTS IN DERMAL TISSUE, DRAIZE SCORE: $\geq 2.3 < 4.0$ OR PERSISTENT INFLAMMATION

EYE CORROSIVE 1 - SERIOUS EYE DAMAGE: IRREVERSIBLE DAMAGE 21 DAYS AFTER EXPOSURE, DRAIZE SCORE: CORNEAL OPACITY ≥ 3 , IRITIS > 1.5

SKIN SENSITIZER 1 - SKIN SENSITIZER

REPRODUCTIVE TOXIN 1B - PRESUMED, BASED ON EXPERIMENTAL ANIMALS

GHS HAZARDS

H315 CAUSES SKIN IRRITATION

H317 MAY CAUSE AN ALLERGIC SKIN REACTION

H318 CAUSES SERIOUS EYE DAMAGE

H360 MAY DAMAGE FERTILITY OR THE UNBORN CHILD

GHS PRECAUTIONS

P201 OBTAIN SPECIAL INSTRUCTIONS BEFORE USE

P202 DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD

P261 AVOID BREATHING DUST/FUME/GAS/MIST/VAPOURS/SPRAY

P264 WASH ... THOROUGHLY AFTER HANDLING

P272 CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE

P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION

P281 USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED

P310 IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN

P321 SPECIFIC TREATMENT (SEE ... ON THIS LABEL)

P362 TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE

P363 WASH CONTAMINATED CLOTHING BEFORE REUSE

P302+P352 IF ON SKIN: WASH WITH SOAP AND WATER

ECO CorFlex

Molecular Industrial Polymers

SAFETY DATA SHEET

PRODUCT NAME: POLY HYBRID GEN-II (PART A)

HMIS RATINGS: H F PH

PRODUCT DESCRIPTION: POLYASPARTIC CLEAR 3:2

2 2 0

SECTION II: HAZARDS IDENTIFICATION (CONT'D)

P305+P351+P338 IF IN EYES: RINSE CONTINUOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES IF PRESENT AND EASY TO DO – CONTINUE RINSING

P308+P313 IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION

P332+P313 IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION

P333+P313 IF SKIN IRRITATION OR A RASH OCCURS: GET MEDICAL ADVICE/ATTENTION

P405 STORE LOCKED UP

P501 DISPOSE OF CONTENTS/CONTAINER TO AN APPROVED WASTE DISPOSAL PLANT

HAZARD PICTOGRAMS



SIGNAL WORD: DANGER

SECTION III: COMPOSITION & INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
Aspartic Ester	136210-32-7	50.00% - 60.00%
Apartic Ester	136210-30-5	30.00% - 40.00%
Amine	54914-37-3	1.00% - 5.00%

SECTION IV: FIRST AID MEASURES

IF INHALED REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. OBTAIN MEDICAL ADVICE IF THERE ARE PERSISTENT SYMPTOMS.

RINSE IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. ENSURE ADEQUATE FLUSHING OF THE EYES BY SEPARATING THE EYELIDS WITH FINGERS. REMOVE CONTACTS IF PRESENT AND EASY TO DO. CONTINUE RINSING. GET MEDICAL ATTENTION, IF IRRITATION OR SYMPTOMS OF OVEREXPOSURE PERSISTS. IMMEDIATELY WASH SKIN WITH SOAP AND PLENTY OF WATER. IMMEDIATELY REMOVE CONTAMINATED CLOTHING AND SHOES. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS AND PERSISTS. THOUGHLY CLEAN AND WASH SHOES AND CLOTHING BEFORE REUSE. IF SWALLOWED, CALL A PHYSICIAN IMMEDIATELY. ONLY INDUCE VOMITING AT THE INSTRUCTION OF A PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

ECO CorFlex

Molecular Industrial Polymers

SAFETY DATA SHEET

PRODUCT NAME: POLY HYBRID GEN-II (PART A)

HMIS RATINGS: H F PH

PRODUCT DESCRIPTION: POLYASPARTIC CLEAR 3:2

2 2 0

SECTION V: FIRE FIGHTING MEASURES

FLASH POINT: N/A LEL: N/A UEL: N/A

FOAM, CARBON DIOXIDE (CO₂), FOAM, DRY CHEMICAL OR WATER SPRAY (WATER STREAM MAY BE INEFFECTIVE).

WEAR PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS TO PROTECT AGAINST POTENTIAL TOXIC AND IRRITATING FUMES. COOL EXPOSED CONTAINERS WITH WATER SPRAY. BURNING RELEASES CARBON MONOXIDE, CARBON DIOXIDE, OXIDES OF NITROGEN AND UNIDENTIFIED COMPOUNDS. IN THE EVENT OF FIRE DO NOT BREATHE FUMES.

SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING MUST BE WORN IN CASE OF FIRE. CLOSED CONTAINER MAY FORCIBLY RUPTURE UNDER EXTREME HEAT. USE COLD WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS TO MINIMIZE THE RISK OF RUPTURE. TOXIC GASES/FUMES MAY BE GIVEN OFF DURING BURNING OR THERMAL DECOMPOSITION

FIREFIGHTERS, AND OTHERS EXPOSED, WEAR SELF-CONTAINED BREATHING APPARATUS.

SECTION VI: ACCIDENTAL RELEASE MEASURES

STOP LEAK. DIKE OR CONTAIN SPILL. PUMP INTO SAVAGE TANKS AND/OR ABSORB WITH SUITABLE MATERIAL. USE SPARKLESS SHOVEL TO REMOVE MATERIAL. EVACUATE AREA AND KEEP UNNECESSARY AND UNPROTECTED PERSONNEL FROM ENTERING THE SPILL AREA.

USE APPROPRIATE CONTAINMENT AND CLEAN UP IMMEDIATELY.

STOP LEAK, DIKE AND CONTAIN SPILL. PREVENT SPILLED MATERIAL FROM ENTERING THE GROUND, WATER AND/OR AIR BY USING APPROPRIATE CONTAINMENT METHODS. WEAR PERSONAL PROTECT EQUIPMENT. DO NOT ALLOW TO ESCAPE INTO WATERWAYS, WASTEWATER OR SOIL. DISPOSE ANY WASTE ACCORDING TO APPROPRIATE LOCAL, STATE, AND FEDERAL REGULATIONS.

SECTION VII: HANDLING AND STORAGE

AVOID BREATHING VAPOR. AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

KEEP AWAY FROM HEAT AND FLAME. KEEP CONTAINER CLOSED. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. PROVIDE ADEQUATE VENTILATION.

HAZARDOUS POLYMERIZATION DOES NOT OCCUR. AVOID STRONG OXIDIZING AGENTS, ACID, ISOCYANATES, AVOID EXPOSURE TO HEAT, LIGHT, AND AIR FOR PROLONGED PERIODS OF TIME.

STORE IN A COOL, DRY WELL-VENTILATED AREA AWAY FROM SOURCES OF HEAT AND INCOMPATIBLE MATERIALS. ELIMINATE ALL IGNITION MATERIALS AND INCOMPATIBLE MATERIALS. COLLECT SPILL WITH NON-SPARK TOOLS.

ECO CorFlex

Molecular Industrial Polymers

SAFETY DATA SHEET

PRODUCT NAME: POLY HYBRID GEN-II (PART A)

HMIS RATINGS: H F PH

PRODUCT DESCRIPTION: POLYASPARTIC CLEAR 3:2

2 2 0

SECTION VIII: EXPOSURE CONTROL / PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Aspartic Ester 136210-32-7	Not Established	Not Established	Not Established
Apartic Ester 136210-30-5	Not Established	Not Established	Not Established
Amine 54914-37-3	Not Established	Not Established	Not Established

USE APPROPRIATE ENGINEERING CONTROL SUCH AS PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING CONTROLS TO CONTROL AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LIMITS. GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT TO CONTROL AIRBORNE LEVELS. WHERE SUCH SYSTEMS ARE NOT EFFECTIVE WEAR SUITABLE PERSONAL PROTECTIVE EQUIPMENT, WHICH PERFORMS SATISFACTORY AND MEETS OSHA OR OTHER RECOGNIZED STANDARDS. CONSULT WITH LOCAL PROCEDURES FOR SELECTION, TRAINING, AND MAINTENANCE OF THE PERSONAL PROTECTIVE EQUIPMENT. ALWAYS USE ADEQUATE VENTILATION THAT COMPLIES WITH LOCAL REGULATIONS.

CHEMICAL NAME: ASPARTIC ACID, N,N-(METHYLENEDI-4,1CYCLOHEXANEDIYL)BIS-1,1',4,4'-TETRAETHYL ESTER.

EYE/FACE PROTECTION: WEAR APPROPRIATE PROTECTIVE GLASSES OR SPLASH GOGGLES AS DESCRIBED BY 29 CFR 1910.133, OSHA EYE AND FACE PROTECTION REGULATION, OR THE EUROPEAN STANDARD EN 166

SKIN PROTECTION: CHEMICAL-RESISTANT GLOVES AND CHEMICAL GOGGLES, FACE-SHIELD AND SYNTHETIC APRON OR COVERALLS SHOULD BE USED TO PREVENT CONTACT WITH EYES, SKIN OR CLOTHING. SUITABLE MATERIALS FOR SAFETY GLOVES; EN374

RESPIRATORY PROTECTION: A NIOSH AIR PURIFYING RESPIRATOR WITH AN ORGANIC VAPOR CARTRIDGE OR CANISTER MAY BE PERMISSIBLE UNDER CERTAIN CIRCUMSTANCES WHERE AIRBORNE CONCENTRATIONS ARE EXPECTED TO EXCEED EXPOSURE LIMITS. PROTECTION PROVIDED BY AIR PURIFYING RESPIRATORS IS LIMITED. USE A POSITIVE PRESSURE AIR SUPPLIED RESPIRATOR IF THERE IS ANY POTENTIAL FOR AN UNCONTROLLED RELEASE, EXPOSURE LEVELS ARE NOT KNOWN OR ANY OTHER CIRCUMSTANCE WHERE AIR PURIFYING RESPIRATOR MAY NOT PROVIDE ADEQUATE PROTECTION.

ECO CorFlex

Molecular Industrial Polymers

SAFETY DATA SHEET

PRODUCT NAME: POLY HYBRID GEN-II (PART A)

HMIS RATINGS: H F PH

PRODUCT DESCRIPTION: POLYASPARTIC CLEAR 3:2

2 2 0

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Range 200 to 220 °C	Specific Gravity (SG) 1.052
Lbs VOC/Gallon Less Water 0.04	Lbs VOC/Gallon Less 0.04 Exempt
% VOL by Volume 0.04	

SECTION X: STABILITY & REACTIVITY DATA

STABLE. HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

STRONG ACIDS, CAUSTICS, OXIDIZERS, AVOID UNCONTROLLED EXPOSURE TO EPOXY RESIN, AMINE, ISOCYANATES.

NONE KNOWN, OTHER THAN SEC. #2 AND SEC #5

SECTION XI: TOXICOLOGICAL INFORMATION

MIXTURE TOXICITY

COMPONENT TOXICITY

AVOID BREATHING VAPORS

LD50 ORAL RAT >2,000 MG/KG

LC50 INHALATION >4224 MG/L, 4H

LD50 DERMAL RAT >2,999 MG/KG

SECTION XII: ECOLOGICAL INFORMATION

ACUTE TOXICITY TO FISH: LC50 > 66MG/L (ZEBRA FISH, 96H), LC50 88.6 EC50 6MG/L (WATER FLEA, 96H)

ACUTE TOXICITY TO ALGAE: ERC50 113 MG/L

OTHER ADVERSE EFFECT: TOXIC TO TERRESTRIAL PLANTS: EC50 > 100 MG/KG, 14D

OTHER INFORMATION: TOXICITY TO MICROORGANISMS: EC50: 3,110 MG/L (BACTERIA, 3 H)

SECTION XIII: DISPOSAL CONSIDERATIONS

DISPOSE OF IN ACCORDANCE WITH APPLICABLE LOCAL/MUNICIPAL, STATE/PROVINCIAL AND FEDERAL REGULATIONS. NO DISPOSAL INTO WATER. BEFORE DISPOSAL ENSURE ALL CONTAINERS ARE DRIP DRY.

ECO CorFlex

Molecular Industrial Polymers

SAFETY DATA SHEET

PRODUCT NAME: POLY HYBRID GEN-II (PART A)

HMIS RATINGS: H F PH

PRODUCT DESCRIPTION: POLYASPARTIC CLEAR 3:2

2 2 0

SECTION XIV: TRANSPORT INFORMATION

DOT: NOT REGULATED

IMO/IMDG: NOT REGULATED

IATA/ICA: NOT REGULATED

UN NUMBER: NOT DANGEROUS GOODS

SPECIAL PRECAUTIONS: NOT DANGEROUS GOODS

KEEP DRY

KEEP AWAY FROM FOODSTUFFS

AVOID ACIDS AND ALKALIS

SECTION XV: REGULATORY INFORMATION

ASPARIC ACID: CAS 136210-30-5

US-CERCLÉ/SAR: HAZARDOUS SUBSTANCE AND THEIR REPORTABLE QUANTITIES: NONE

US-SARA 311 & 312 HAZARDOUS CATEGORIES: ACUTE HEALTH HAZARD, CHRONIC HEALTH HAZARD: NONE

US-SARA 302 EXTREME HAZARDOUS SUBSTANCE TPQS: NONE

US-SARA 313 EMISSION REPORTING: NONE

US-SARA 313 PBT CHEMICAL LISTING: NONE

US-CALIFORNIA PROPOSITION 65-CARCINOGEN LIST: NONE

US-CALIFORNIA PROPOSITION 65-DEVELOPMENTAL TOXICITY: NONE

US-CALIFORNIA PROPOSITION 65-MAXIMUM ALLOWABLE DOSE LEVEL (MADL): NONE

US-CALIFORNIA PROPOSITION 65-NO SIGNIFICANT RISK LEVELS (NSRL): NONE

US-CALIFORNIA PROPOSITION 65-REPRODUCTIVE TOXICITY-FEMALE: NONE

US-CALIFORNIA PROPOSITION 65-REPRODUCTIVE TOXICITY-MALE: NONE

SECTION XVI: OTHER INFORMATION

NONE.

ECO CorFlex

Molecular Industrial Polymers

SAFETY DATA SHEET

PRODUCT NAME: POLY HYBRID GEN-II (PART A)

HMIS RATINGS: H F PH

PRODUCT DESCRIPTION: POLYASPARTIC CLEAR 3:2

2 2 0

DISCLAIMER

THE INFORMATION PROVIDED HEREIN WAS BELIEVED BY GFCFS TO BE ACCURATE AT THE TIME OF PREPARATION FROM SOURCES BELIEVED TO BE RELIABLE, BUT IT IS THE RESPONSIBILITY OF THE USER TO INVESTIGATE AND UNDERSTAND OTHER PERTINENT SOURCES OF INFORMATION, TO COMPLY WITH ALL LAWS AND PROCEDURES APPLICABLE TO THE SAFE HANDLING AND USE OF THE PRODUCT AND TO DETERMINE THE SUITABILITY OF THE PRODUCT FOR IT'S INTENDED USE. ALL PRODUCTS DISTRIBUTED BY GFCFS ARE SUBJECT TO GFCFS'S TERMS AND CONDITIONS OF SALE. GFCFS MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY GFCFS, EXCEPT THAT THE PRODUCT SHALL CONFORM TO SPECIFICATIONS. NOTHING CONTAINED HEREIN CONSTITUTES AN OFFER FOR THE SALE OF ANY PRODUCT.
