

ECO CorFlex

Molecular Industrial Polymers

SAFETY DATA SHEET

PRODUCT NAME: POLY HYBRID GEN-II (PART B ACTIVATOR)

HMIS RATINGS: H F PH

PRODUCT DESCRIPTION: POLYASPARTIC CLEAR 3:2

0 0 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:

INHALATION TOXICITY ACUTE TOX. - 4

RESPIRATORY SENSITIZER - 1 RESPIRATORY SENSITIZER

SKIN SENSITIZER - 1 SKIN SENSITIZER

GHS HAZARDS

H317 MAY CAUSE AN ALLERGIC SKIN REACTION

H332 HARMFUL IF INHALED

H334 MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED

GHS PRECAUTIONS

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

P271 USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA

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

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

P285 IN CASE OF INADEQUATE VENTILATION WEAR RESPIRATORY PROTECTION

P312 CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL

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

P363 WASH CONTAMINATED CLOTHING BEFORE REUSE

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

P304+P340 IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING

P304+P341 IF INHALED: IF BREATHING IS DIFFICULT, REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING

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

P342+P311 CALL A POISON CENTER OR DOCTOR/PHYSICIAN

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

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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 %
Homopolymer of Hexamethylene Diisocyanate	28182-81-2	90.00% - 100.00%

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. THOROUGHLY 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.

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SECTION V: FIRE FIGHTING MEASURES

FLASH POINT: 170 C (338 F) LEL: N/A UEL: N/A

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

BURNING RELEASES CARBON MONOXIDE, CARBON DIOXIDE, OXIDES OF NITROGEN, ISOCYANATE VAPORS AND TRACES OF HYDROGEN CYANIDE. IN THE EVENT OF FIRE DO NOT BREATHE FUMES.

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

SECTION VI: ACCIDENTAL RELEASE MEASURES

STOP LEAK. DIKE OR CONTAIN SPILL.

PUMP INTO SALVAGE 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.

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.

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.

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SECTION VIII: EXPOSURE CONTROL / PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Homopolymer of Hexamethylene Diisocyanate 28182-81-2	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 PREFORMS SATISFACTORY AND MEETS OSHA OR OTHER RECGONIZED STANDARDS. CONSULT WITH LOCAL PROCEDURES FOR SELECTION, TRAINING, AND MAINTENANCE OF THE PERSONAL PROTECTIVE EQUIPMENT.

CHEMICAL NAME: HEXAMETHYLENE-1,6-DIISOCYANATE HOMOPOLYMER.

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-PURIFYIG RESPIRATOR MAY NOT PROVIDE ADEQUATE PROTECTION.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Specific Gravity (SG) 1.160 Lbs VOC/Gallon Less 0.00 Exempt	Lbs VOC/Gallon Less Water 0.00 % VOL by Volume 0.00
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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

INHALATION TOXICITY LC50: 19MG/L

EFFECTS OF OVEREXPOSURE

AVOID BREATHING VAPORS

SECTION XII: ECOLOGICAL INFORMATION

TOXICITY: HEXAMETHYLENE-1,6-DIISOCYANATE HOMOPOLYMER

ACUTE AND PROLONGED TOXICITY TO FISH: LC50> 100MG/L (ZEBRA FISH, 96H) ACUTE TOXICITY TO AQUATIC INVERTEBRATES: EC50 100MG/L (WATER FLEA, 48H)

PERSISTENCE AND DEGRADABILITY: HEXAMETHYLENE-1,6-DIISOCYANATE: NOT READILY DEGRADABLE

BIOACCUMULATIVE POTENTIAL: ACUMULATION IS NOT EXPECTED

OTHER ADVERSE EFFECTS: HEXAMETHYLENE-1,6-DIISOCYANATE: AN ACCUMULATION IN AQUATIC ORGANISMS IS NOT EXPECTED.

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.

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

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SECTION XV: REGULATORY INFORMATION

HEXAMETHYLENE-1,6-DIISOCYANATE HOMOPOLYMER: CAS 28182-81-2

HEXAMETHYLENE-1,6-DIISOCYANATE: CAS822-06-0

CANDA DSL: LISTED

TSCA: LISTED

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

US-SARA 311 & 312 HAZARDOUS CATEGORIES: ACUTE HEALTH HAZARD, CHRONIC HEALTH HAZARD

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.

DISCLAIMER

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