

# ECO CorFlex

## Molecular Industrial Polymers

### SAFETY DATA SHEET

**PRODUCT NAME:** ECO-PATCH (PART A)

**HMIS RATINGS:** H F PH

**PRODUCT DESCRIPTION:** CONCRETE PATCH SYSTEM

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#### SECTION I: COMPANY IDENTIFICATION

<b>DISTRIBUTOR'S NAME:</b>	ECO-CORFLEX INDUSTRIAL POLYMERS		
<b>ADDRESS:</b>	4350 S. 38 <sup>TH</sup> ST., SUITE #110, PHOENIX, AZ 85040		
<b>EMERGENCY PHONE #:</b>	1-800-255-3924	<b>DATE REVISED:</b>	MAR 16, 2023
<b>INFORMATION PHONE #:</b>	1-866-406-2628	<b>NAME OF PREPARER:</b>	TECH. DEPT.

#### SECTION II: HAZARDS IDENTIFICATION

##### GHS CLASSIFICATION:

SKIN IRRITATION - 2

EYE DAMAGE - 1

##### GHS HAZARDS

H315 • CAUSES SKIN IRRITATION

H318 • CAUSES SERIOUS EYE DAMAGE

##### GHS PRECAUTIONS

P262 • DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING.

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

P303+P361+P353 • IF ON SKIN (OR HAIR): REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER.

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

##### HAZARD PICTOGRAMS



**SIGNAL WORD:** WARNING

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#### SECTION III: COMPOSITION & INFORMATION ON INGREDIENTS

##### Chemical Characterization

Name	EC-Nr.	CAS-Nr.	REACH Reg Nr.	Content (%)
Proprietary Resin	Proprietary	Proprietary	Proprietary	25 - 50
Proprietary Solvent	Proprietary	Proprietary	Proprietary	50 - 75

#### SECTION IV: FIRST AID MEASURES

**GENERAL INFORMATION • NO SPECIAL MEASURES NECESSARY**

**IF INHALED • NO SPECIAL MEASURES NECESSARY**

**ON SKIN CONTACT • IN CASE OF CONTACT WITH SKIN, WASH OFF IMMEDIATELY WITH PLENTY OF WATER. DO NOT ALLOW PRODUCT TO DRY ON SKIN. CONSULT A DOCTOR IF SKIN IRRITATION PERSISTS.**

**ON CONTACT WITH EYES • IMMEDIATELY WASH AFFECTED EYES FOR AT LEAST 15 MINUTES UNDER RUNNING WATER WITH EYELIDS HELD OPEN, CONSULT AN EYE SPECIALIST.**

**ON INGESTION • IMMEDIATELY RINSE MOUTH AND DRINK PLENTY OF WATER, DO NOT INDUCE VOMITING, SEEK MEDICAL ATTENTION IMMEDIATELY.**

**MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED • NO DATA.**

**INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED • NONE**

#### SECTION V: FIRE FIGHTING MEASURES

##### EXTINGUISHING MEDIA

**SUITABLE EXTINGUISHING MEDIA • PRODUCT ITSELF IS NON-COMBUSTIBLE; ADAPT FIRE EXTINGUISHING MEASURES TO SURROUNDING AREAS.**

**UNSUITABLE EXTINGUISHING MEDIA • COMPATIBLE WITH ALL USUAL EXTINGUISHING MEDIA.**

**SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE • NONE KNOWN.**

**ADVICE FOR FIREFIGHTER • SPECIAL PROTECTIVE EQUIPMENT: IN CASE OF COMBUSTION USE A SUITABLE BREATHING APPARATUS.**

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#### SECTION VI: ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES** • USE PERSONAL PROTECTIVE CLOTHING. AVOID CONTACT WITH SKIN, EYES AND CLOTHING. HIGH RISK OF SLIPPING DUE TO LEAKAGE/SPILLAGE OF PRODUCT.

**ENVIRONMENTAL PRECAUTIONS** • DO NOT ALLOW TO ENTER DRAINS OR WATERWAYS.

**METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP** • TAKE UP WITH ABSORBENT MATERIAL (E.G. SAND, KIESELGUHR, UNIVERSAL BINDER). RINSE AWAY REST WITH PLENTY OF WATER.

#### SECTION VII: HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING** • OBSERVE THE USUAL PRECAUTIONS FOR HANDLING CHEMICALS. OPEN AND HANDLE CONTAINER WITH CARE.

**CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

**REQUIREMENTS FOR STORAGE ROOMS AND VESSELS** • KEEP ONLY IN THE ORIGINAL CONTAINER.

**FURTHER INFORMATION ON STORAGE CONDITIONS** • PROTECT FROM FROST.

**RECOMMENDED STORAGE TEMPERATURE** • VALUE 5 - 45°C.

**VCI STORAGE CATEGORY** • 12 NON-COMBUSTIBLE LIQUIDS

**STORAGE STABILITY** • UNDER CORRECT STORING CONDITIONS THE PRODUCT IS STABLE FOR AT LEAST 12 MONTHS.

#### SECTION VIII: EXPOSURE CONTROL / PERSONAL PROTECTION

**CONTROL PARAMETERS** • NO EXPOSURE LIMIT VALUE KNOWN.

**EXPOSURE CONTROLS**

**GENERAL PROTECTIVE AND HYGIENE MEASURES** • OBSERVE THE USUAL PRECAUTIONS WHEN HANDLING CHEMICALS. WASH HANDS BEFORE BREAKS AND AFTER WORK. DO NOT EAT, DRINK OR SMOKE DURING WORK TIME.

**OCCUPATIONAL EXPOSURE CONTROLS**

**RESPIRATORY PROTECTION** • BREATHING APPARATUS IN THE EVENT OF AEROSOL OR MIST FORMATION. SHORT TERM: FILTER APPARATUS, FILTER B

**HAND PROTECTION** • GLOVES (ALKALI-RESISTANT); APPROPRIATE MATERIAL: LATEX; KCL LAPREN 706 / 0.6 MM / 480 MIN.

**EYE PROTECTION** • SAFETY GLASSES WITH SIDE PROTECTION SHIELD.

**SKIN PROTECTION** • CLOTHING AS USUAL IN THE CHEMICAL INDUSTRY.

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#### SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE** • LIQUID, CLEAR, COLOURLESS TO SLIGHTLY YELLOW

**ODOR** • ODORLESS

**ODOR THRESHOLD** • NO DATA

**PH** • NO DATA

**MELTING POINT/FREEZING POINT** • NO DATA

**BOILING RANGE** • APPR. 100°C

**FLASH POINT** • NOT FLAMMABLE

**EVAPORATION RATE** • NO DATA

**FLAMMABILITY (SOLID, GAS)** • NOT IGNITABLE

**IGNITABLE, EXPLOSIVE RANGE** • NO DATA

**VAPOUR PRESSURE** • NO DATA

**VAPOUR DENSITY** • NO DATA

**DENSITY** • APPR. 1,55 KG/L (AT 20°C)

**SOLUBILITY** • NO DATA

**PARTITION COEFFICIENT (N-OCTANOL/WATER)** • NOT APPLICABLE

**SELF IGNITION TEMPERATURE** • NO DATA

**DECOMPOSITION TEMPERATURE** • NO DATA

**VISCOSITY** • APPR. 600 MPA.S (AT 20°C)

**EXPLOSIVE PROPERTIES** • NO DATA

**OXIDIZING PROPERTIES** • NO DATA

**OTHER INFORMATION** • NOT APPLICABLE

#### SECTION X: STABILITY & REACTIVITY DATA

**CONDITIONS TO AVOID** • PROTECT FROM FROST

**MATERIALS TO AVOID** • ACIDS

**HAZARDOUS DECOMPOSITION PRODUCTS** • NO HAZARDOUS DECOMPOSITION PRODUCTS KNOWN

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#### SECTION XI: TOXICOLOGICAL INFORMATION

##### ACUTE TOXICITY

**ACUTE ORAL TOXICITY** • REMARKS: THE TOXICOLOGICAL DATA SHOWN ARE THOSE OBTAINED FROM TESTS ON PRODUCTS OF SIMILAR COMPOSITION.

##### REFERENCE SUBSTANCE

• PROPRIETARY RESIN • SPECIES: RAT • LD50: > 2000 MG/KG • SOURCE: DATA OF SUPPLIER

**REMARKS** • THE POISONOUS EFFECT OF THE PRODUCT IS CAUSED BY ITS ALKALINITY AND NOT BY SUBSTANCE-SPECIFIC SYSTEMIC CHARACTERISTICS.

##### IRRITANT/CORROSIVE EFFECTS

**IRRITANT EFFECT ON SKIN** • IRRITANT

**IRRITANT EFFECT ON EYES** • IRRITANT – RISK OF SERIOUS DAMAGE TO EYES

**SENSITIZATION** • NON-SENSITIZING

**EFFECTS AFTER REPEATED OR PROLONGED EXPOSITION (SUBACUTE, SUBCHRONIC, CRONIC)**

**EXPERIENCE IN PRACTICE** • IRRITATING EFFECTS ON THE SKIN AND MUCOUS MEMBRANE. RISK OF SERIOUS DAMAGE TO EYES.

**OTHER INFORMATION** • WHEN HANDLED APPROPRIATELY, EVEN AFTER LONG YEARS OF EXPERIENCE WITH THIS PRODUCT, NO ADVERSE HEALTH EFFECTS ARE KNOWN.

#### SECTION XII: ECOLOGICAL INFORMATION

##### FISH TOXICITY

**REMARKS** • ECOTOXICOLOGICAL DATA ARE TAKEN FROM A SIMILAR PRODUCT OF THE SAME TYPE.

**REFERENCE SUBSTANCE** • PROPRIETARY RESIN (35%) • SPECIES: BRACHIDANIO RERIO • LC50: > 2000 MG/L • DURATION OF EXPOSURE: 96 H • SOURCE: DATA OF SUPPLIER

**REFERENCE SUBSTANCE** • PROPRIETARY RESIN (29%) • SPECIES: LEUCISCUS IDUS • LC0: > 500 MG/L • DURATION OF EXPOSURE: 48 H • SOURCE: DATA OF SUPPLIER

**REMARKS** • THE ECOTOXIC EFFECT OF THE PRODUCT IS MAINLY DUE TO ITS ALKALINITY

##### DAPHNIA TOXICITY

**REMARKS** • ECOTOXICOLOGICAL DATA ARE TAKEN FROM A SIMILAR PRODUCT OF THE SAME TYPE.

**REFERENCE SUBSTANCE** • PROPRIETARY RESIN (35%) • SPECIES: DAPHNIA MAGNA • EC0: > 2000 MG/L • DURATION OF EXPOSURE: 48 H • SOURCE: DATA OF SUPPLIER

**REFERENCE SUBSTANCE** • PROPRIETARY RESIN (29%) • SPECIES: DAPHNIA MAGNA • EC0: > 500 MG/L • DURATION OF EXPOSURE: 24 H • SOURCE: DATA OF SUPPLIER

**REMARKS** • THE ECOTOXIC EFFECT OF THE PRODUCT IS MAINLY DUE TO ITS ALKALINITY.

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#### SECTION XII: ECOLOGICAL INFORMATION (CONT'D)

##### BACTERIA TOXICITY

REMARKS • ECOTOXICOLOGICAL DATA ARE TAKEN FROM A SIMILAR PRODUCT OF THE SAME TYPE.  
REFERENCE SUBSTANCE • PROPRIETARY RESIN (35%) • SPECIES: PSEUDOMONAS PUTIDA • EC0: > 1000 MG/L • DURATION OF EXPOSURE: 48 H • SOURCE: DATA OF SUPPLIER

REMARKS • THE ECOTOXIC EFFECT OF THE PRODUCT IS MAINLY DUE TO ITS ALKALINITY

##### BIODEGRADABILITY

REMARKS • INORGANIC PRODUCT, CANNOT BE ELIMINATED FROM THE WATER BY BIOLOGICAL PURIFICATION PROCESSES.

BEHAVIOUR IN SEWERS (WASTE TREATMENT PLANTS) • THE PRODUCT IS AN ALKALINE SOLUTION. NEUTRALIZATION IS NORMALLY NECESSARY BEFORE A WASTE WATER IS DISCHARGED INTO SEWAGE TREATMENT PLANTS. WHEN LOW CONCENTRATIONS ARE DISCHARGED CORRECTLY INTO ADAPTED BIOLOGICAL SEWAGE TREATMENT PLANTS, DISTURBANCE OF THE DEGRADATION ACTIVITY OF ACTIVATED SLUDGE IS NOT LIKELY.

#### SECTION XIII: DISPOSAL CONSIDERATIONS

**DISPOSAL RECOMMENDATIONS FOR THE PRODUCT** • EWC WASTE CODE: 06 02 05 OTHER BASES. • DILUTION AND NEUTRALIZATION WITH ACID. AFTER SOLIDIFICATION (E.G. AS CASIO<sub>3</sub> PRECIPITATE), LANDFILL IN ACCORDANCE WITH LOCAL AUTHORITIES. RE-USE WITHOUT REPROCESSING AS LONG AS NOT SOLIDIFIED.

**DISPOSAL RECOMMENDATIONS FOR PACKAGING** • COMPLETELY EMPTIED PACKAGINGS CAN BE GIVEN FOR RECYCLING.

#### SECTION XIV: TRANSPORT INFORMATION

**LAND TRANSPORT (ADR/RID)** • NOT CLASSIFIED AS DANGEROUS ACCORDING TO TRANSPORT REGULATIONS.

**SEA TRANSPORT (IMDG/ GGVSEE)** • NOT CLASSIFIED AS DANGEROUS ACCORDING TO TRANSPORT REGULATIONS.

**AIR TRANSPORT** • NOT CLASSIFIED AS DANGEROUS ACCORDING TO TRANSPORT REGULATIONS.

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#### SECTION XV: REGULATORY INFORMATION

**SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATIONS** SPECIFIC FOR THE SUBSTANCE OR MIXTURE WATER HAZARD CLASS (GERMANY) • WGK 1

**CHEMICAL SAFETY ASSESSMENT** • IN ACCORDANCE WITH REACH CHEMICAL SAFETY ASSESSMENT HAS NOT BEEN CARRIED OUT FOR THE PRODUCT.

#### SECTION XVI: OTHER INFORMATION

NONE.

#### DISCLAIMER

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