

# ECO CorFlex

## Molecular Industrial Polymers

### SAFETY DATA SHEET

**PRODUCT NAME:** GENIX POTASSIUM SILICATE

**HMIS RATINGS:** H F PH

**PRODUCT DESCRIPTION:** INORGANIC DENSIFYING SEALANT

2 2 1

#### 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>	JAN 23, 2025
<b>INFORMATION PHONE #:</b>	1-866-406-2628	<b>NAME OF PREPARER:</b>	TECH. DEPT.

#### SECTION II: HAZARDS IDENTIFICATION

##### HAZARD CLASSIFICATION

##### PHYSICAL HAZARDS

FLAMMABLE LIQUIDS - CATEGORY 4

##### HEALTH HAZARDS

SKIN CORROSION/IRRITATION - CATEGORY 1A

SERIOUS EYE DAMAGE/EYE IRRITATION - CATEGORY 1

##### LABEL ELEMENTS

HAZARD SYMBOL:



**SIGNAL WORD:** DANGER

**HAZARD STATEMENT:** COMBUSTIBLE LIQUID. CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.

##### PRECAUTIONARY STATEMENTS

**PREVENTION:** DO NOT BREATHE DUST/FUME/GAS/MIST/VAPORS/SPRAY. WASH THOROUGHLY AFTER HANDLING. WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES. - NO SMOKING.

**RESPONSE:** IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING. IF ON SKIN (OR HAIR): TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER [OR SHOWER]. IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. IMMEDIATELY CALL A POISON CENTER/DOCTOR. WASH CONTAMINATED CLOTHING BEFORE REUSE. IN CASE OF FIRE: USE WATER SPRAY, ALCOHOL-RESISTANT FOAM, DRY CHEMICAL OR CARBON DIOXIDE TO EXTINGUISH.

**STORAGE:** STORE IN A WELL-VENTILATED PLACE. KEEP COOL. STORE LOCKED UP.

# ECO CorFlex

## Molecular Industrial Polymers

### SAFETY DATA SHEET

**PRODUCT NAME:** GENIX POTASSIUM SILICATE

**HMIS RATINGS:** H F PH

**PRODUCT DESCRIPTION:** INORGANIC DENSIFYING SEALANT

2 2 1

#### SECTION II: HAZARDS IDENTIFICATION (CONT'D)

DISPOSAL: DISPOSE OF CONTENTS/CONTAINER TO AN APPROPRIATE TREATMENT AND DISPOSAL FACILITY IN ACCORDANCE WITH APPLICABLE LAWS AND REGULATIONS, AND PRODUCT CHARACTERISTICS AT TIME OF DISPOSAL.

HAZARD(S) NOT OTHERWISE CLASSIFIED (HNOC): NONE.

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

##### Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%) <sup>*</sup>
Tripotassium propylsilanetriolate		93857-00-2	>=20 - <=40%
Kaliumhydroxid		1310-58-3	>=1 - <=5%
Ethanol (Ethyl alcohol)		64-17-5	<1%

<sup>\*</sup> All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

COMPOSITION COMMENTS: AQUEOUS SOLUTION

THE EXACT CONCENTRATION HAS BEEN WITHHELD AS A TRADE SECRET.

#### SECTION IV: FIRST AID MEASURES

##### DESCRIPTION OF NECESSARY FIRST-AID MEASURES

**GENERAL INFORMATION:** REMOVE CONTAMINATED OR SATURATED CLOTHING IMMEDIATELY AND FOLLOW SAFE DISPOSAL PROCEDURES.

**INHALATION:** IF AEROSOL OR MISTS ARE FORMED: POSSIBLE DISCOMFORT: SEVERE IRRITATION OF MUCOUS LINING (NOSE, THROAT, EYES), COUGH, SNEEZING, FLOW OF TEARS MOVE VICTIMS INTO FRESH AIR. IF BREATHING DIFFICULTIES OCCUR: KEEP PATIENT HALF SITTING WITH UPPER BODY RAISED. CALL A PHYSICIAN IMMEDIATELY.

**SKIN CONTACT:** IMMEDIATELY WASH WITH SOAP AND WATER FOR AT LEAST FIFTEEN MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. OBTAIN MEDICAL ATTENTION. THOROUGHLY WASH CLOTHING AND SHOES BEFORE REUSE.

**EYE CONTACT:** WITH EYE HELD OPEN, THOROUGHLY RINSE IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 10 MINUTES. CONTINUE RINSING PROCESS WITH EYE RINSING SOLUTION. PROTECT UNHARMED EYE. CALL AMBULANCE. (CUE: CAUSTIC BURN OF THE EYES) IMMEDIATE FURTHER TREATMENT IN OPHTHALMIC HOSPITAL/ OPHTHALMOLOGIST. CONTINUE RINSING EYE UNTIL ARRIVAL AT OPHTHALMIC HOSPITAL.

# ECO CorFlex

## Molecular Industrial Polymers

### SAFETY DATA SHEET

**PRODUCT NAME:** GENIX POTASSIUM SILICATE

**HMIS RATINGS:** H F PH

**PRODUCT DESCRIPTION:** INORGANIC DENSIFYING SEALANT

2 2 1

#### SECTION IV: FIRST AID MEASURES (CONT'D)

**INGESTION:** DO NOT INDUCE VOMITING. ONLY WHEN PATIENT FULLY CONSCIOUS: HAVE THE MOUTH RINSED WITH WATER. HAVE PATIENT DRINK PLENTY OF WATER IN SMALL SIPS. NOTIFY AMBULANCE IMMEDIATELY (KEYWORD: CHEMICAL BURN).

**PERSONAL PROTECTION FOR FIRST-AID RESPONDERS:** NO DATA AVAILABLE.

#### **MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED**

**SYMPTOMS:** NO DATA AVAILABLE.

**HAZARDS:** NONE KNOWN.

#### **INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED**

**TREATMENT:** IF SUBSTANCE HAS BEEN SWALLOWED, APPLY THERAPY FOR CHEMICAL BURN. EARLY ENDOSCOPY IS RECOMMENDED IN ORDER TO ASSESS MUCOSA LESIONS IN THE ESOPHAGUS AND STOMACH WHICH MAY APPEAR. IF NECESSARY, SUCK AWAY LEFT-OVER SUBSTANCES.

#### SECTION V: FIRE FIGHTING MEASURES

#### **SUITABLE (AND UNSUITABLE) EXTINGUISHING MEDIA**

**SUITABLE EXTINGUISHING MEDIA:** WATER SPRAY, FOAM, DRY POWDER OR CARBON DIOXIDE.

**UNSUITABLE EXTINGUISHING MEDIA:** HIGH VOLUME WATER JET.

**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:** THE PRODUCT ITSELF DOES NOT BURN. MAY BE RELEASED IN CASE OF FIRE: TOXIC GASES/VAPOURS. COMBUSTIBLE LIQUID. VAPORS CAN TRAVEL TO A SOURCE OF IGNITION AND FLASH BACK. EXPLOSIVE MIXTURES MAY OCCUR AT TEMPERATURES AT OR ABOVE THE FLASHPOINT.

#### **SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS**

**SPECIAL FIRE FIGHTING PROCEDURES:** WATER USED TO EXTINGUISH FIRE SHOULD NOT ENTER DRAINAGE SYSTEMS, SOIL OR STRETCHES OF WATER. ENSURE THERE ARE SUFFICIENT RETAINING FACILITIES FOR WATER USED TO EXTINGUISH FIRE. FIRE RESIDUES AND CONTAMINATED FIRE EXTINGUISHING WATER MUST BE DISPOSED OF IN ACCORDANCE WITH LOCAL REGULATIONS. CONTAINERS CAN BUILD UP PRESSURE IF EXPOSED TO HEAT (FIRE). COOL WITH WATER SPRAY. AS IN ANY FIRE, WEAR SELF-CONTAINED, PRESSURE-DEMAND BREATHING APPARATUS (MSHA-NIOSH APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.

**SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:** NO DATA AVAILABLE.

# ECO CorFlex

## Molecular Industrial Polymers

### SAFETY DATA SHEET

**PRODUCT NAME:** GENIX POTASSIUM SILICATE

**HMIS RATINGS:** H F PH

**PRODUCT DESCRIPTION:** INORGANIC DENSIFYING SEALANT

2 2 1

#### SECTION VI: ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:** USE PERSONAL PROTECTIVE EQUIPMENT. KEEP OUT UNPROTECTED PERSONS. AVOID CONTACT WITH THE SKIN AND THE EYES. DO NOT INHALE VAPOUR, AEROSOLS, MIST.

**ACCIDENTAL RELEASE MEASURES:** REMOVE SOURCES OF IGNITION AND VENTILATE AREA. RUN OFF MAY CREATE FIRE OR EXPLOSION HAZARD IN SEWER. ASSURE SUFFICIENT VENTILATION.

**METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:** CONTAIN AND COLLECT SPILLAGE WITH NON-COMBUSTIBLE ABSORBENT MATERIALS, (E.G. SAND, EARTH, DIATOMACEUS EARTH, VERMICULITE) AND PLACE IN A POLYETHYLENE-LINED CONTAINER FOR DISPOSAL ACCORDING TO LOCAL/NATIONAL REGULATIONS (SEE SECTION 13).

**ENVIRONMENTAL PRECAUTIONS:** OBEY RELEVANT LOCAL, STATE, PROVINCIAL AND FEDERAL LAWS AND REGULATIONS. DO NOT CONTAMINATE ANY LAKES, STREAMS, RIVERS, GROUNDWATER OR SOIL.

#### SECTION VII: HANDLING AND STORAGE

##### HANDLING

**TECHNICAL MEASURES (E.G. LOCAL AND GENERAL VENTILATION):** IF POSSIBLE, USE MATERIAL TRANSFER/FILLING, METERING AND BLENDING PLANTS THAT ARE CLOSED. IF CONTACT WITH GASES OR VAPOURS CANNOT BE EXCLUDED: PROVIDE GOOD VENTILATION OR EXTRACTION.

**SAFE HANDLING ADVICE:** PROVIDE SUFFICIENT VENTILATION AND EXHAUST AT THE WORKPLACE. VENTILATORS REQUIRED AT EMISSION SITE. DO NOT BREATHE IN VAPOURS, AEROSOLS, SPRAYS. HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE. IF WORKPLACE EXPOSURE LIMITS ARE EXCEEDED AND/OR LARGER AMOUNTS ARE RELEASED (LEAKAGE, SPILLING, DUST) THE INDICATED RESPIRATORY PROTECTION SHOULD BE USED. IF THERE IS THE POSSIBILITY OF SKIN/EYE CONTACT, THE INDICATED HAND/EYE/BODY PROTECTION SHOULD BE USED. USE PROTECTIVE CLOTHING / FACE SHIELD IF NECESSARY. DO NOT BREATHE IN VAPOURS OR AEROSOLS. AVOID CONTACT WITH SKIN AND EYES.

**CONTACT AVOIDANCE MEASURES:** NO DATA AVAILABLE.

**HYGIENE MEASURES:** AVOID CONTACT WITH SKIN, EYES AND CLOTHING. DO NOT INHALE VAPORS OR AEROSOLS. DO NOT EAT, DRINK, OR SMOKE WHEN USING THE PRODUCT. REMOVE CONTAMINATED OR SATURATED CLOTHING.

##### STORAGE

**SAFE STORAGE CONDITIONS:** STORE DRY. CLOSE CONTAINER TIGHTLY DO NOT STORE NEAR ACIDS. INADEQUATE MATERIALS ARE: LIGHT METALS RESIDUAL VAPORS MIGHT EXPLODE ON IGNITION; DO NOT APPLY HEAT, CUT, DRILL, GRIND OR WELD ON OR NEAR THIS CONTAINER.

# ECO CorFlex

## Molecular Industrial Polymers

### SAFETY DATA SHEET

**PRODUCT NAME: GENIX POTASSIUM SILICATE**

**HMIS RATINGS: H F PH**

**PRODUCT DESCRIPTION: INORGANIC DENSIFYING SEALANT**

2 2 1

#### SECTION VII: HANDLING AND STORAGE (CONT'D)

THIS MATERIAL MAY HAVE A LOW ELECTRICAL CONDUCTIVITY AND THEREFORE MAY ACCUMULATE DANGEROUS LEVELS OF STATIC ELECTRICITY. AN IGNITABLE VAPOR-AIR MIXTURE CAN FORM INSIDE STORAGE TANKS.

THE USER MUST BE SURE TO DISSIPATE STATIC CHARGE BY CAREFUL BONDING AND GROUNDING OF ALL EQUIPMENT AND PERSONNEL INVOLVED IN FLUID TRANSFER WITH CONTINUITY CHECKS TO PROVE EFFECTIVENESS. ADDITIONAL PRECAUTIONS AGAINST FIRE AND EXPLOSION ARE THE USE OF INERT GAS TO PURGE VAPOR SPACE; DIP-PIPES WHILE FILLING VESSELS, ESPECIALLY LINED VESSELS; GROUNDED TANK LEVEL FLOATS; REDUCED FLOW VELOCITY; SELF-CLOSING VALVES ON TRANSFER LINES AND FLAME ARRESTORS IN VENT LINES.

ADDITIONAL GUIDANCE ON FIRE AND EXPLOSION PROTECTION MAY BE FOUND IN VARIOUS CONSENSUS STANDARDS, INCLUDING NFPA 30, 69 AND 77 AND API 2003 AS WELL AS OSHA REGULATION 29CFR1910.106.

FOLLOW ALL SDS/LABEL PRECAUTIONS EVEN AFTER CONTAINER IS EMPTIED BECAUSE IT MAY RETAIN PRODUCT RESIDUES.

**SAFE PACKAGING MATERIALS:** NO DATA AVAILABLE.

**STORAGE TEMPERATURE:** NO DATA AVAILABLE.

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

##### CONTROL PARAMETERS - OCCUPATIONAL EXPOSURE LIMITS

Chemical Identity	Type	Exposure Limit Values	Source
Kaliumhydroxid	Ceiling	2 mg/m3	US. ACGIH Threshold Limit Values, as amended (03 2016)
	Ceil_Time	2 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2016)
Kaliumhydroxid - Particulate.	AN ESL	2 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (06 2018)
	ST ESL	20 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (06 2018)
Ethanol (Ethyl alcohol)	STEL	1,000 ppm	US. ACGIH Threshold Limit Values, as amended (03 2016)
	REL	1,000 ppm	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)
	PEL	1,000 ppm	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (03 2016)

# ECO CorFlex

## Molecular Industrial Polymers

### SAFETY DATA SHEET

**PRODUCT NAME: GENIX POTASSIUM SILICATE**

**HMIS RATINGS: H F PH**

**PRODUCT DESCRIPTION: INORGANIC DENSIFYING SEALANT**

**2 2 1**

#### SECTION VIII: EXPOSURE CONTROL / PERSONAL PROTECTION (CONT'D)

**APPROPRIATE ENGINEERING CONTROLS:** IF POSSIBLE, USE MATERIAL TRANSFER/FILLING, METERING AND BLENDING PLANTS THAT ARE CLOSED. IF CONTACT WITH GASES OR VAPOURS CANNOT BE EXCLUDED: PROVIDE GOOD VENTILATION OR EXTRACTION.

#### **INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT**

**EYE/FACE PROTECTION:** USE CHEMICAL SPLASH GOGGLES OR FACE SHIELD.

#### **SKIN PROTECTION**

##### **HAND PROTECTION:**

MATERIAL: BUTYL RUBBER.

BREAK-THROUGH TIME: >= 480 MIN

MATERIAL: FLUORINATED RUBBER (VITON)

BREAK-THROUGH TIME: >= 480 MIN

ADDITIONAL INFORMATION: SELECTION OF PROTECTIVE GLOVES TO MEET THE REQUIREMENTS OF SPECIFIC WORKPLACES., SUITABILITY FOR SPECIFIC WORKPLACES SHOULD BE CLARIFIED WITH PROTECTIVE GLOVE MANUFACTURERS., THE INFORMATION IS BASED ON OUR OWN TESTS, REFERENCES FROM THE LITERATURE AND INFORMATION FROM GLOVE MANUFACTURERS, OR DERIVED BY ANALOGY WITH SIMILAR MATERIALS., PLEASE OBSERVE THAT THE DAILY DURATION OF USAGE OF A CHEMICAL PROTECTIVE GLOVE IS IN PRACTICE FAR SHORTER DUE TO THE MANY INFLUENCING FACTORS (E.G. TEMPERATURE, MECHANICAL STRAIN ON THE GLOVE MATERIAL) THAN THE PERMEATION TIME DETERMINED ACC. EN 374. ADDITIONAL INFORMATION: THE ABOVE MENTIONED HAND PROTECTION IS BASED ON KNOWLEDGE OF THE CHEMISTRY AND ANTICIPATED USES OF THIS PRODUCT BUT IT MAY NOT BE APPROPRIATE FOR ALL WORKPLACES. A HAZARD ASSESSMENT SHOULD BE CONDUCTED PRIOR TO USE TO ENSURE SUITABILITY OF GLOVES FOR SPECIFIC WORK ENVIRONMENTS AND PROCESSES PRIOR TO USE., SELECTION OF PROTECTIVE GLOVES TO MEET THE REQUIREMENTS OF SPECIFIC WORKPLACES., SUITABILITY FOR SPECIFIC WORKPLACES SHOULD BE CLARIFIED WITH PROTECTIVE GLOVE MANUFACTURERS., USE IMPERMEABLE GLOVES., PERSONAL PROTECTIVE EQUIPMENT THAT PROVIDES A BARRIER TO PREVENT DERMAL EXPOSURE TO THIS SUBSTANCE IS REQUIRED.

**SKIN AND BODY PROTECTION:** WHEN HANDLING LARGER QUANTITIES: CHEMICAL PROTECTIVE SUIT, DISPOSABLE PROTECTIVE CLOTHING, ACID-PROOF A SAFETY SHOWER AND EYE WASH FOUNTAIN MUST BE READILY AVAILABLE. TO IDENTIFY ADDITIONAL PERSONAL PROTECTIVE EQUIPMENT REQUIREMENTS, IT IS RECOMMENDED THAT A HAZARD ASSESSMENT BE CONDUCTED BEFORE USING THIS PRODUCT.

# ECO CorFlex

## Molecular Industrial Polymers

### SAFETY DATA SHEET

**PRODUCT NAME: GENIX POTASSIUM SILICATE**

**HMIS RATINGS: H F PH**

**PRODUCT DESCRIPTION: INORGANIC DENSIFYING SEALANT**

**2 2 1**

#### SECTION VIII: EXPOSURE CONTROL / PERSONAL PROTECTION (CONT'D)

**RESPIRATORY PROTECTION:** A RESPIRATORY PROTECTION PROGRAM THAT MEETS OSHA 1910.134 AND ANSI Z88.2 OR APPLICABLE FEDERAL/PROVINCIAL REQUIREMENTS MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT RESPIRATOR USE. NIOSH'S "RESPIRATOR DECISION LOGIC" MAY BE USEFUL IN DETERMINING THE SUITABILITY OF VARIOUS TYPES OF RESPIRATORS.

**HYGIENE MEASURES:** AVOID CONTACT WITH SKIN, EYES AND CLOTHING. DO NOT INHALE VAPORS OR AEROSOLS. DO NOT EAT, DRINK, OR SMOKE WHEN USING THE PRODUCT. REMOVE CONTAMINATED OR SATURATED CLOTHING.

#### SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

##### Appearance

Physical state:	liquid
Form:	liquid
Color:	Colourless to light yellow, Clear
Odor:	odourless
Odor Threshold:	No data available.
pH:	> 13 (25 °C)
Freezing point:	No data available.
Boiling Point:	105 °C (1,013 hPa) (ASTM D-1120)
Flash Point:	> 61 °C (DIN EN ISO 2719 (Pensky-Martens, Closed Cup))

#### SECTION X: STABILITY & REACTIVITY DATA

**REACTIVITY:** NO DANGEROUS REACTION KNOWN UNDER CONDITIONS OF NORMAL USE.

**CHEMICAL STABILITY:** STABLE UNDER RECOMMENDED STORAGE CONDITIONS.

**POSSIBILITY OF HAZARDOUS REACTIONS:** EXOTHERMIC REACTION WITH: ACIDS

**CONDITIONS TO AVOID:** NONE KNOWN.

**INCOMPATIBLE MATERIALS:** ACIDS

**HAZARDOUS DECOMPOSITION PRODUCTS:** NONE KNOWN.

# ECO CorFlex

## Molecular Industrial Polymers

### SAFETY DATA SHEET

**PRODUCT NAME: GENIX POTASSIUM SILICATE**

**HMIS RATINGS: H F PH**

**PRODUCT DESCRIPTION: INORGANIC DENSIFYING SEALANT**

**2 2 1**

#### SECTION XI: TOXICOLOGICAL INFORMATION

##### INFORMATION ON LIKELY ROUTES OF EXPOSURE

**INHALATION:** NO DATA AVAILABLE.

**SKIN CONTACT:** NO DATA AVAILABLE.

**EYE CONTACT:** NO DATA AVAILABLE.

**INGESTION:** NO DATA AVAILABLE.

##### SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

**INHALATION:** NO DATA AVAILABLE.

**SKIN CONTACT:** NO DATA AVAILABLE.

**EYE CONTACT:** NO DATA AVAILABLE.

**INGESTION:** NO DATA AVAILABLE.

##### INFORMATION ON TOXICOLOGICAL EFFECTS

##### ACUTE TOXICITY (LIST ALL POSSIBLE ROUTES OF EXPOSURE)

**ORAL:** ATEMIX: > 5,000 MG/KG

**DERMAL:** NOT CLASSIFIED FOR ACUTE TOXICITY BASED ON AVAILABLE DATA.

**INHALATION:** ATEMIX: 6.87 MG/L DUSTS, MISTS AND FUMES

**REPEATED DOSE TOXICITY:** NO DATA AVAILABLE.

**SKIN CORROSION/IRRITATION:** CORROSIVE.

**SERIOUS EYE DAMAGE/EYE IRRITATION:** RISK OF SERIOUS DAMAGE TO EYES.

**RESPIRATORY OR SKIN SENSITIZATION:** NO DATA AVAILABLE.

##### COMPONENTS:

**TRIPOTASSIUM PROPYLSILANETRIOLATE:** BUEHLER TEST, OECD 406 (GUINEA PIG): NON-SENSITISING

**KALIUMHYDROXID:** INTRACUTANEOUS TEST (GUINEA PIG): NOT A SKIN SENSITIZER.

##### LITERATURE

**ETHANOL (ETHYL ALCOHOL):** MAXIMIZATION TEST, OECD 406 (GUINEA PIG): NOT A SKIN SENSITIZER. TESTED SUBSTANCE: STRUCTURALLY SIMILAR SUBSTANCE

**SENSITIZING TO THE RESPIRATORY TRACT: (RAT):** NOT A RESPIRATORY SENSITIZER

**CARCINOGENICITY PRODUCT:** NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A KNOWN OR ANTICIPATED CARCINOGEN BY NTP, IARC, OR OSHA.

##### IARC MONOGRAPHS ON THE EVALUATION OF CARCINOGENIC RISKS TO HUMANS:

NO CARCINOGENS PRESENT OR NONE PRESENT IN REGULATED QUANTITIES

##### US. NATIONAL TOXICOLOGY PROGRAM (NTP) REPORT ON CARCINOGENS:

NO CARCINOGENS PRESENT OR NONE PRESENT IN REGULATED QUANTITIES



# ECO CorFlex

## Molecular Industrial Polymers

### SAFETY DATA SHEET

**PRODUCT NAME: GENIX POTASSIUM SILICATE**

**HMIS RATINGS: H F PH**

**PRODUCT DESCRIPTION: INORGANIC DENSIFYING SEALANT**

**2 2 1**

#### SECTION XI: TOXICOLOGICAL INFORMATION (CONT'D)

**US. OSHA SPECIFICALLY REGULATED SUBSTANCES (29 CFR 1910.1001-1050), AS AMENDED:**

NO CARCINOGENS PRESENT OR NONE PRESENT IN REGULATED QUANTITIES

**GERM CELL MUTAGENICITY**

**IN VITRO:** NO DATA AVAILABLE.

**COMPONENTS:**

ETHANOL (ETHYL ALCOHOL): REVERSE MUTATION ASSAY (OECD 471): NEGATIVE

**IN VIVO:** NO DATA AVAILABLE.

**COMPONENTS:**

ETHANOL (ETHYL ALCOHOL): CHROMOSOMAL ABERRATION (OECD 478) ORAL (MOUSE, MALE): BASED ON AVAILABLE DATA, THE CLASSIFICATION CRITERIA ARE NOT MET.

**REPRODUCTIVE TOXICITY:** NO DATA AVAILABLE.

**COMPONENTS:**

ETHANOL (ETHYL ALCOHOL): AN EXPERT JUDGMENT STATED THAT NO CLASSIFICATION IS NECESSARY BASED ON PRESENT KNOWLEDGE.

**SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE:** NO DATA AVAILABLE.

**COMPONENTS:**

ETHANOL (ETHYL ALCOHOL): NOT CLASSIFIED

**SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE:** NO DATA AVAILABLE.

**COMPONENTS:**

ETHANOL (ETHYL ALCOHOL): NOT CLASSIFIED

**ASPIRATION HAZARD:** NO EVIDENCE OF ASPIRATION TOXICITY

**OTHER EFFECTS:** NO TOXICOLOGICAL TESTS HAVE BEEN CONDUCTED WITH THE PRODUCT ITSELF.

#### SECTION XII: ECOLOGICAL INFORMATION

**ECOTOXICITY:**

**ACUTE HAZARDS TO THE AQUATIC ENVIRONMENT:**

**FISH:** NO DATA AVAILABLE.

**COMPONENTS:**

ETHANOL (ETHYL ALCOHOL): LC 50 (PIMEPHALES PROMELAS, 96 H): 14,200 MG/L LITERATURE

AQUATIC INVERTEBRATES: NO DATA AVAILABLE.

**COMPONENTS:**

ETHANOL (ETHYL ALCOHOL): LC 50 (CERIODAPHNIA DUBIA, 48 H): 5,012 MG/L LITERATURE

# ECO CorFlex

## Molecular Industrial Polymers

### SAFETY DATA SHEET

**PRODUCT NAME: GENIX POTASSIUM SILICATE**

**HMIS RATINGS: H F PH**

**PRODUCT DESCRIPTION: INORGANIC DENSIFYING SEALANT**

**2 2 1**

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

**CHRONIC HAZARDS TO THE AQUATIC ENVIRONMENT:**

**FISH:** NO DATA AVAILABLE.

**COMPONENTS:**

ETHANOL (ETHYL ALCOHOL): NOEC (DANIO RERIO, 120 H): 250 MG/L

**AQUATIC INVERTEBRATES:** NO DATA AVAILABLE.

**COMPONENTS:**

ETHANOL (ETHYL ALCOHOL): EC 50 (DAPHNIA MAGNA, 10 D): 454 MG/L LITERATURE

NOEC (DAPHNIA MAGNA, 10 D): 9.6 MG/L LITERATURE

**TOXICITY TO AQUATIC PLANTS:** NO DATA AVAILABLE.

**COMPONENTS:**

ETHANOL (ETHYL ALCOHOL): EC 50 (CHLORELLA VULGARIS (FRESH WATER ALGAE), 72 H): 275 MG/L

**PERSISTENCE AND DEGRADABILITY**

**BIODEGRADATION:** NO DATA AVAILABLE.

**BOD/COD RATIO:** NO DATA AVAILABLE.

**COMPONENTS:**

ETHANOL (ETHYL ALCOHOL): 58 %

**BIOACCUMULATIVE POTENTIAL**

**BIOCONCENTRATION FACTOR (BCF):** NO DATA AVAILABLE.

**PARTITION COEFFICIENT N-OCTANOL / WATER (LOG KOW):** NO DATA AVAILABLE.

**COMPONENTS:**

ETHANOL (ETHYL ALCOHOL): LOG KOW: -0.35 20 °C

**MOBILITY IN SOIL:** NO DATA AVAILABLE.

**OTHER ADVERSE EFFECTS:** AN EXPERT JUDGMENT STATED THAT NO CLASSIFICATION IS NECESSARY BASED ON PRESENT KNOWLEDGE.

#### SECTION XIII: DISPOSAL CONSIDERATIONS

**DISPOSAL METHODS:** WASTE MUST BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE, PROVINCIAL AND LOCAL REGULATIONS. SINCE EMPTY CONTAINERS RETAIN PRODUCT RESIDUE, FOLLOW MSDS AND LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED. RESIDUAL VAPORS MIGHT EXPLODE ON IGNITION; DO NOT APPLY HEAT, CUT, DRILL, GRIND OR WELD ON OR NEAR THIS CONTAINER.

# ECO CorFlex

## Molecular Industrial Polymers

### SAFETY DATA SHEET

**PRODUCT NAME: GENIX POTASSIUM SILICATE**

**HMIS RATINGS: H F PH**

**PRODUCT DESCRIPTION: INORGANIC DENSIFYING SEALANT**

2 2 1

#### SECTION XIII: DISPOSAL CONSIDERATIONS (CONT'D)

**CONTAMINATED PACKAGING:** DO NOT REUSE EMPTY CONTAINERS AND DISPOSE OF IN ACCORDANCE WITH THE REGULATIONS ISSUED BY THE APPROPRIATE LOCAL AUTHORITIES. IF THERE IS PRODUCT RESIDUE IN THE EMPTIED CONTAINER, FOLLOW DIRECTIONS FOR HANDLING ON THE CONTAINER'S LABEL. INCORRECT DISPOSAL OR REUSE OF THIS CONTAINER IS ILLEGAL AND CAN BE DANGEROUS. OTHER COUNTRIES: OBSERVE THE NATIONAL REGULATIONS.

#### SECTION XIV: TRANSPORT INFORMATION

##### DOMESTIC REGULATION

**49 CFR**

**UN/ID/NA NUMBER:** UN 3266

**PROPER SHIPPING NAME:** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.  
(TRIPOTASSIUM PROPYLSILANETRIOLATE, POTASSIUM HYDROXIDE)

**CLASS:** 8

**PACKING GROUP:** II

**LABELS:** 8

**ERG CODE:** 154

**MARINE POLLUTANT:** NO

##### INTERNATIONAL REGULATIONS

**IATA-DGR**

**UN/ID NO.:** UN 3266

**PROPER SHIPPING NAME:** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.  
(TRIPOTASSIUM PROPYLSILANETRIOLATE, POTASSIUM HYDROXIDE)

**CLASS:** 8

**PACKING GROUP:** II

**LABELS:** 8

**PACKING INSTRUCTION (CARGO AIRCRAFT):** 855

**PACKING INSTRUCTION (PASSENGER AIRCRAFT):** 851

**IMDG-CODE**

**UN NUMBER:** UN 3266

**PROPER SHIPPING NAME:** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.  
(TRIPOTASSIUM PROPYLSILANETRIOLATE, POTASSIUM HYDROXIDE)()

**CLASS:** 8

**PACKING GROUP:** II

**LABELS:** 8

# ECO CorFlex

## Molecular Industrial Polymers

### SAFETY DATA SHEET

**PRODUCT NAME: GENIX POTASSIUM SILICATE**

**HMIS RATINGS: H F PH**

**PRODUCT DESCRIPTION: INORGANIC DENSIFYING SEALANT**

**2 2 1**

#### SECTION XIV: TRANSPORT INFORMATION (CONT'D)

**EMS CODE:** F-A, S-B

**MARINE POLLUTANT:** NO

**REMARKS:** IMDG CODE SEGREGATION GROUP 18 - ALKALIS, CLEAR OF LIVING QUARTERS., KEEP SEPARATE FROM ACIDS.

**TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE:** NOT APPLICABLE FOR PRODUCT AS SUPPLIED.

**SPECIAL PRECAUTIONS FOR USER:** THE TRANSPORT CLASSIFICATION(S) PROVIDED HEREIN ARE FOR INFORMATIONAL PURPOSES ONLY, AND SOLELY BASED UPON THE PROPERTIES OF THE UNPACKAGED MATERIAL AS IT IS DESCRIBED WITHIN THIS SAFETY DATA SHEET. TRANSPORTATION CLASSIFICATIONS MAY VARY BY MODE OF TRANSPORTATION, PACKAGE SIZES, AND VARIATIONS IN REGIONAL OR COUNTRY REGULATIONS.

#### SECTION XV: REGULATORY INFORMATION

##### US FEDERAL REGULATIONS

##### TSCA SECTION 12(B) EXPORT NOTIFICATION (40 CFR 707, SUBPT. D)

NONE PRESENT OR NONE PRESENT IN REGULATED QUANTITIES.

##### US. TOXIC SUBSTANCES CONTROL ACT (TSCA) SECTION 5(A)(2) FINAL SIGNIFICANT NEW USE RULES (SNURS) (40 CFR 721, SUBPT E)

NONE PRESENT OR NONE PRESENT IN REGULATED QUANTITIES.

##### US. OSHA SPECIFICALLY REGULATED SUBSTANCES (29 CFR 1910.1001-1050), AS AMENDED

NONE PRESENT OR NONE PRESENT IN REGULATED QUANTITIES.

##### CERCLA HAZARDOUS SUBSTANCE LIST (40 CFR 302.4):

NONE PRESENT OR NONE PRESENT IN REGULATED QUANTITIES.

##### SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA)

##### HAZARD CATEGORIES

FLAMMABLE (GASES, AEROSOLS, LIQUIDS, OR SOLIDS), SKIN CORROSION OR IRRITATION, SERIOUS EYE DAMAGE OR EYE IRRITATION

##### US. EPCRA (SARA TITLE III) SECTION 304 EXTREMELY HAZARDOUS SUBSTANCES REPORTING QUANTITIES AND THE COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA) HAZARDOUS SUBSTANCES

NONE PRESENT OR NONE PRESENT IN REGULATED QUANTITIES.

# ECO CorFlex

## Molecular Industrial Polymers

### SAFETY DATA SHEET

**PRODUCT NAME: GENIX POTASSIUM SILICATE**

**HMIS RATINGS: H F PH**

**PRODUCT DESCRIPTION: INORGANIC DENSIFYING SEALANT**

**2 2 1**

#### SECTION XV: REGULATORY INFORMATION (CONT'D)

**US. EPA EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT (EPCRA) SARA TITLE III SECTION 313 TOXIC CHEMICALS (40 CFR 372.65) - SUPPLIER NOTIFICATION REQUIRED**

NONE PRESENT OR NONE PRESENT IN REGULATED QUANTITIES.

**CLEAN AIR ACT (CAA) SECTION 112(R) ACCIDENTAL RELEASE PREVENTION (40 CFR 68.130):**

NONE PRESENT OR NONE PRESENT IN REGULATED QUANTITIES.

**CLEAN WATER ACT SECTION 311 HAZARDOUS SUBSTANCES (40 CFR 117.3)**

CHEMICAL IDENTITY: KALIUMHYDROXID

#### **US STATE REGULATIONS**

##### **US. CALIFORNIA PROPOSITION 65**

NO INGREDIENT REQUIRING A WARNING UNDER CA PROP 65.

##### **US. NEW JERSEY WORKER AND COMMUNITY RIGHT-TO-KNOW ACT**

CHEMICAL IDENTITY: KALIUMHYDROXID; ETHANOL (ETHYL ALCOHOL)

##### **US. MASSACHUSETTS RTK - SUBSTANCE LIST**

CHEMICAL IDENTITY: KALIUMHYDROXID

##### **US. PENNSYLVANIA RTK - HAZARDOUS SUBSTANCES**

CHEMICAL IDENTITY: KALIUMHYDROXID

##### **US. RHODE ISLAND RTK**

CHEMICAL IDENTITY: KALIUMHYDROXID

#### SECTION XVI: OTHER INFORMATION

NONE.

#### 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.