

# ECO CorFlex

Molecular Industrial Polymers

## SAFETY DATA SHEET

**PRODUCT NAME:** POLY – POLY PRO II **LOW SHEEN (PART A)** **HMIS RATINGS:** H F R

**PRODUCT DESCRIPTION:** LOW SHEEN POLYURETHANE (2A: 1B)

3 1 0

### SECTION I: COMPANY IDENTIFICATION

<b>DISTRIBUTOR'S NAME:</b>	ECO-CORFLEX INDUSTRIAL POLYMERS		
<b>ADDRESS:</b>	3801 E. ROESER ROAD, SUITE #1, PHOENIX, AZ 85040		
<b>EMERGENCY PHONE #:</b>	1-800-255-3924	<b>DATE REVISED:</b>	FEB 07, 2020
<b>INFORMATION PHONE #:</b>	1-866-406-2628	<b>NAME OF PREPARER:</b>	TECH. DEPT.

### SECTION II: HAZARDS IDENTIFICATION

#### CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

##### CLASSIFICATION

ACUTE AQUATIC HAZARD - CATEGORY 3

SIMPLE ASPHYXIANT, SERIOUS EYE DAMAGE - CATEGORY 1

SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE – CATEGORY 3 (RESPIRATORY TRACT IRRITATION)

SKIN CORROSION/IRRITATION - CATEGORY 2

SKIN SENSITIZER - CATEGORY 1

CARCINOGENICITY - CATEGORY 2

#### HAZARD PICTOGRAM(S):



**SIGNAL WORD:** DANGER

#### HAZARD STATEMENTS:

H402 HARMFUL TO AQUATIC LIFE

H318 CAUSES SERIOUS EYE DAMAGE.

H335 MAY CAUSE RESPIRATORY IRRITATION.

H315 CAUSES SKIN IRRITATION.

H317 MAY CAUSE AN ALLERGIC SKIN REACTION.

H351 SUSPECTED OF CAUSING CANCER. MAY DISPLACE OXYGEN AND CAUSE RAPID SUFFOCATION.

**HAZARD(S) NOT OTHERWISE CLASSIFIED:** NOT APPLICABLE

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

#### PRECAUTIONARY STATEMENT(S) GENERAL

P101 IF MEDICAL ADVICE IS NEEDED, HAVE PRODUCT CONTAINER OR LABEL AT HAND.

P102 KEEP OUT OF REACH OF CHILDREN.

#### PRECAUTIONARY STATEMENT(S) PREVENTION

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.

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

P271 USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA.

#### PRECAUTIONARY STATEMENT(S) RESPONSE

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

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

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

#### PRECAUTIONARY STATEMENT(S) STORAGE

P405 STORE LOCKED UP.

P403+P233 STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED.

#### PRECAUTIONARY STATEMENT(S) DISPOSAL

P501 DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL REGULATIONS.

### SECTION III: COMPOSITION & INFORMATION ON INGREDIENTS

NAME	CAS #	% BY WEIGHT
TRIETHANOLAMINE	102-71-6	15-25
DIPROPYLENE GLYCOL MONO-N-BUTYL ETHER - ALPHA ISOMER	29911-28-2	1-5

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

### SECTION IV: FIRST AID MEASURES

**EYE CONTACT:IF THIS PRODUCT COMES IN CONTACT WITH THE EYES:**

IMMEDIATELY HOLD EYELIDS APART AND FLUSH THE EYE CONTINUOUSLY WITH RUNNING WATER.

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

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ENSURE COMPLETE IRRIGATION OF THE EYE BY KEEPING EYELIDS APART AND AWAY FROM EYE AND MOVING THE EYELIDS BY OCCASIONALLY LIFTING THE UPPER AND LOWER LIDS. CONTINUE FLUSHING UNTIL ADVISED TO STOP BY THE POISONS INFORMATION CENTRE OR A DOCTOR, OR FOR AT LEAST 15 MINUTES. TRANSPORT TO HOSPITAL OR DOCTOR WITHOUT DELAY. REMOVAL OF CONTACT LENSES AFTER AN EYE INJURY SHOULD ONLY BE UNDERTAKEN BY SKILLED PERSONNEL.

**SKIN CONTACT: IF SKIN CONTACT OCCURS:** IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING, INCLUDING FOOTWEAR. FLUSH SKIN AND HAIR WITH RUNNING WATER (AND SOAP IF AVAILABLE). SEEK MEDICAL ATTENTION IN EVENT OF IRRITATION.

**FOR THERMAL BURNS:** DECONTAMINATE AREA AROUND BURN. CONSIDER THE USE OF COLD PACKS AND TOPICAL ANTIBIOTICS.

**FOR FIRST-DEGREE BURNS (AFFECTING TOP LAYER OF SKIN):** HOLD BURNED SKIN UNDER COOL (NOT COLD) RUNNING WATER OR IMMERSE IN COOL WATER UNTIL PAIN SUBSIDES. USE COMPRESSES IF RUNNING WATER IS NOT AVAILABLE. COVER WITH STERILE NON-ADHESIVE BANDAGE OR CLEAN CLOTH. DO NOT APPLY BUTTER OR OINTMENTS; THIS MAY CAUSE INFECTION. GIVE OVER-THE COUNTER PAIN RELIEVERS IF PAIN INCREASES OR SWELLING, REDNESS, FEVER OCCUR.

**FOR SECOND-DEGREE BURNS (AFFECTING TOP TWO LAYERS OF SKIN):** COOL THE BURN BY IMMERSING IN COLD RUNNING WATER FOR 10-15 MINUTES. USE COMPRESSES IF RUNNING WATER IS NOT AVAILABLE. DO NOT APPLY ICE AS THIS MAY LOWER BODY TEMPERATURE AND CAUSE FURTHER DAMAGE. DO NOT BREAK BLISTERS OR APPLY BUTTER OR OINTMENTS; THIS MAY CAUSE INFECTION. PROTECT BURN BY COVER LOOSELY WITH STERILE, NONSTICK BANDAGE AND SECURE IN PLACE WITH GAUZE OR TAPE.

**TO PREVENT SHOCK:** (UNLESS THE PERSON HAS A HEAD, NECK, OR LEG INJURY, OR IT WOULD CAUSE DISCOMFORT): LAY THE PERSON FLAT. ELEVATE FEET ABOUT 12 INCHES. ELEVATE BURN AREA ABOVE HEART LEVEL, IF POSSIBLE. COVER THE PERSON WITH COAT OR BLANKET. SEEK MEDICAL ASSISTANCE.

**FOR THIRD-DEGREE BURNS:** SEEK IMMEDIATE MEDICAL OR EMERGENCY ASSISTANCE.

IN THE MEAN TIME: PROTECT BURN AREA COVER LOOSELY WITH STERILE, NONSTICK BANDAGE OR, FOR LARGE AREAS, A SHEET OR OTHER MATERIAL THAT WILL NOT LEAVE LINT IN WOUND. SEPARATE BURNED TOES AND FINGERS WITH DRY, STERILE DRESSINGS. DO NOT SOAK BURN IN WATER OR APPLY OINTMENTS OR BUTTER; THIS MAY CAUSE INFECTION. TO PREVENT SHOCK SEE ABOVE. FOR AN AIRWAY BURN, DO NOT PLACE PILLOW UNDER THE PERSON'S HEAD WHEN THE PERSON IS LYING DOWN. THIS CAN CLOSE THE AIRWAY. HAVE A PERSON WITH A FACIAL BURN SIT UP. CHECK PULSE AND BREATHING TO MONITOR FOR SHOCK UNTIL EMERGENCY HELP ARRIVES.

**INHALATION:** IF FUMES OR COMBUSTION PRODUCTS ARE INHALED REMOVE FROM CONTAMINATED AREA. LAY PATIENT DOWN. KEEP WARM AND RESTED. PROSTHESES SUCH AS FALSE TEETH, WHICH MAY BLOCK AIRWAY, SHOULD BE REMOVED, WHERE POSSIBLE, PRIOR TO INITIATING FIRST AID PROCEDURES. APPLY ARTIFICIAL RESPIRATION IF NOT BREATHING, PREFERABLY WITH A DEMAND VALVE RESUSCITATOR, BAG-VALVE MASK DEVICE, OR POCKET MASK AS TRAINED. PERFORM CPR IF NECESSARY. TRANSPORT TO HOSPITAL, OR DOCTOR, WITHOUT DELAY.

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

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**INGESTION:**

IMMEDIATELY GIVE A GLASS OF WATER. FIRST AID IS NOT GENERALLY REQUIRED. IF IN DOUBT, CONTACT A POISONS INFORMATION CENTRE OR A DOCTOR.

**MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:**

SEE SECTION 11

**INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:**

TREAT SYMPTOMATICALLY.

**FOR ACUTE OR SHORT-TERM REPEATED EXPOSURES TO HIGHLY ALKALINE MATERIALS:**

RESPIRATORY STRESS IS UNCOMMON BUT PRESENT OCCASIONALLY BECAUSE OF SOFT TISSUE EDEMA. UNLESS ENDOTRACHEAL INTUBATION CAN BE ACCOMPLISHED UNDER DIRECT VISION, CRICOTHYROIDOTOMY OR TRACHEOTOMY MAY BE NECESSARY. OXYGEN IS GIVEN AS INDICATED. THE PRESENCE OF SHOCK SUGGESTS PERFORATION AND MANDATES AN INTRAVENOUS LINE AND FLUID ADMINISTRATION. DAMAGE DUE TO ALKALINE CORROSIVES OCCURS BY LIQUEFACTION NECROSIS WHEREBY THE SAPONIFICATION OF FATS AND SOLUBILISATION OF PROTEINS ALLOW DEEP PENETRATION INTO THE TISSUE. ALKALIS CONTINUE TO CAUSE DAMAGE AFTER EXPOSURE.

**INGESTION:**

MILK AND WATER ARE THE PREFERRED DILUENTS. NO MORE THAN 2 GLASSES OF WATER SHOULD BE GIVEN TO AN ADULT. NEUTRALISING AGENTS SHOULD NEVER BE GIVEN SINCE EXOTHERMIC HEAT REACTION MAY COMPOUND INJURY.

\* CATHARSIS AND EMESIS ARE ABSOLUTELY CONTRA-INDICATED.

\* ACTIVATED CHARCOAL DOES NOT ABSORB ALKALI.

\* GASTRIC LAVAGE SHOULD NOT BE USED.

**SUPPORTIVE CARE INVOLVES THE FOLLOWING:**

WITHHOLD ORAL FEEDINGS INITIALLY. IF ENDOSCOPY CONFIRMS TRANSMUCOSAL INJURY START STEROIDS ONLY WITHIN THE FIRST 48 HOURS. CAREFULLY EVALUATE THE AMOUNT OF TISSUE NECROSIS BEFORE ASSESSING THE NEED FOR SURGICAL INTERVENTION. PATIENTS SHOULD BE INSTRUCTED TO SEEK MEDICAL ATTENTION WHENEVER THEY DEVELOP DIFFICULTY IN SWALLOWING (DYSPHAGIA).

**SKIN AND EYE:**

INJURY SHOULD BE IRRIGATED FOR 20-30 MINUTES. EYE INJURIES REQUIRE SALINE. [ELLENHORN & BARCELOUX: MEDICAL TOXICOLOGY]

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**SECTION V: FIRE FIGHTING MEASURES**

**EXTINGUISHING MEDIA:** FOAM. DRY CHEMICAL POWDER.

**SPECIAL HAZARDS ARISING FROM THE SUBSTRATE OR MIXTURE**

**FIRE INCOMPATIBILITY:** AVOID CONTAMINATION WITH OXIDISING AGENTS I.E. NITRATES, OXIDISING ACIDS, CHLORINE BLEACHES, POOL CHLORINE ETC. AS IGNITION MAY RESULT

**SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS**

**FIRE FIGHTING:** ALERT FIRE BRIGADE AND TELL THEM LOCATION AND NATURE OF HAZARD. WEAR FULL BODY PROTECTIVE CLOTHING WITH BREATHING APPARATUS.

**FIRE/EXPLOSION HAZARD:** COMBUSTIBLE. SLIGHT FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME. COMBUSTION PRODUCTS INCLUDE: CARBON DIOXIDE (CO<sub>2</sub>). NITROGEN OXIDES (NO<sub>X</sub>), OTHER PYROLYSIS PRODUCTS TYPICAL OF BURNING ORGANIC MATERIAL. MAY EMIT POISONOUS FUMES. MAY EMIT CORROSIVE FUMES.

**SECTION VI: ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:** SEE SECTION 8

**ENVIRONMENTAL PRECAUTIONS:** SEE SECTION 12

**METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP**

**MINOR SPILLS:** REMOVE ALL IGNITION SOURCES. CLEAN UP ALL SPILLS IMMEDIATELY.

**MAJOR SPILLS:** ABSORB OR CONTAIN ISOTHIAZOLINONE LIQUID SPILLS WITH SAND, EARTH, INERT MATERIAL OR VERMICULITE. THE ABSORBENT (AND SURFACE SOIL TO A DEPTH SUFFICIENT TO REMOVE ALL OF THE BIOCIDES) SHOULD BE SHOVELLED INTO A DRUM AND TREATED WITH AN 11% SOLUTION OF SODIUM METABISULFITE (NA<sub>2</sub>S<sub>2</sub>O<sub>5</sub>) OR SODIUM BISULFITE (NAHSO<sub>3</sub>), OR 12% SODIUM SULFITE (NA<sub>2</sub>SO<sub>3</sub>) AND 8% HYDROCHLORIC ACID (HCL).

**SECTION VII: HANDLING AND STORAGE**

**PRECAUTIONS FOR SAFE HANDLING**

**SAFE HANDLING:** ALKANOLAMINES AND IRON MAY PRODUCED UNSTABLE COMPLEXES. MONOETHANOLAMINE (MEA) AND IRON FORM A TRIETHANOLAMINO-IRON COMPLEX. AVOID ALL PERSONAL CONTACT, INCLUDING INHALATION. WEAR PROTECTIVE CLOTHING WHEN RISK OF EXPOSURE OCCURS. DO **NOT ALLOW CLOTHING WET WITH MATERIAL TO STAY IN CONTACT WITH SKIN.**

**OTHER INFORMATION:** STORE IN ORIGINAL CONTAINERS. KEEP CONTAINERS SECURELY SEALED.

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

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

##### SUITABLE CONTAINER:

METAL CAN OR DRUM. PACKAGING AS RECOMMENDED BY MANUFACTURER. CHECK ALL CONTAINERS ARE CLEARLY LABELLED AND FREE FROM LEAKS.

##### TRIETHANOLAMINE:

IS AN ORGANIC BASE. REACTS VIOLENTLY WITH STRONG OXIDISERS, PERMANGANATES, PEROXIDES, AMMONIUM PERSULFATE, BROMINE DIOXIDE, SULFURIC ACID, NITRIC ACID IS INCOMPATIBLE WITH ORGANIC ANHYDRIDES, ACRYLATES, ALCOHOLS, ALDEHYDES, ALKYLENE OXIDES, SUBSTITUTED ALLYLS, CELLULOSE NITRATE, CRESOLS, CAPROLACTAM SOLUTION, EPICHLOROHYDRIN, ETHYLENE DICHLORIDE, ISOCYANATES, KETONES, GLYCOLS, MERCURY, NITRATES, PHENOLS, VINYL ACETATE. DECOMPOSES EXOTHERMICALLY WITH MALEIC ANHYDRIDE. INCREASE THE EXPLOSIVE SENSITIVITY OF NITROMETHANE. CORRODES, ALUMINIUM, COPPER, ITS ALLOYS, TIN, ZINC

##### DIETHANOLAMINE:

REACTS VIGOROUSLY WITH STRONG OXIDISERS. REACTS WITH ALDEHYDES, KETONES, ACRYLATES, FORMATES, OXALATES, NITRITES, NON-OXIDISING MINERAL ACIDS, STRONG ACIDS, ORGANIC ACIDS, ORGANIC ANHYDRIDES, ISOCYANATES, VINYL ACETATE, ACRYLATES, SUBSTITUTED ALLYLS, ALKYLENE OXIDES, EPICHLOROHYDRIN.

MAY UNDERGO SELF-SUSTAINING THERMAL DECOMPOSITION AT TEMPERATURES ABOVE 250 C. ATTACKS ALUMINIUM, COPPER, ZINC AND THEIR ALLOYS, AND GALVANISED IRON.

##### MONOETHANOLAMINE:

IS A STRONG ORGANIC BASE. REACTS VIOLENTLY WITH STRONG OXIDISERS, STRONG ACIDS (WITH SPATTERING). IS INCOMPATIBLE WITH ACETIC ACID, ACETIC ANHYDRIDE, ACROLEIN, ACRYLATES, ACRYLIC ACID, ACRYLONITRILE, ALCOHOLS, ALDEHYDES, ALKALI METALS, ALKYLENE OXIDES, SUBSTITUTED ALLYLS, CAPROLACTAM SOLUTION, CELLULOSE NITRATE, CHLOROSULFONIC ACID, CRESOLS, EPICHLOROHYDRIN, GLYCOLS, HALOGENATED HYDROCARBONS, ISOCYANATES, KETONES, MESITYL OXIDE, OLEUM, ORGANIC ANHYDRIDES, PHENOLS, BETA-PROPIOLACTONE, VINYL ACETATE. FORMS EXPLOSIVE MIXTURE WITH SODIUM PERCHLORATE.

REACTS WITH IRON FORMING TRIS-ETHANOLAMINEIRON. MAY UNDERGO A SELF-SUSTAINING THERMAL DECOMPOSITION WHEN HEATED IN EXCESS OF 250 DEGREES C. ATTACKS ALUMINIUM, COPPER, LEAD, TIN, ZINC, AND THEIR ALLOYS. ATTACKS PLASTICS, COATINGS AN RUBBER. AVOID STRONG ACIDS, BASES. AVOID CONTACT WITH COPPER, ALUMINIUM AND THEIR ALLOYS. AVOID REACTION WITH OXIDISING AGENTS.

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

CONTROL PARAMETERS: OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA:

SOURCE	INGREDIENT	MATERIAL NAME	TWA	STEL	PEAK	NOTES
US ACGIH THRESHOLD LIMIT VALUES (TLV)	TRIETHANOLAMINE	TRIETHANOLAMINE	5 MG/M3	N/A	N/A	TLV® BASIS: EYE & SKIN IRR; BEIA

EMERGENCY LIMITS:

INGREDIENT	MATERIAL NAME	TEEL-1	TEEL-2	TEEL-3
TRIETHANOLAMINE	TRIETHANOLAMINE; (TRIHYDROXYTRIETHYLAMINE)	15 MG/M3	240 MG/M3	1,500 MG/M3

  

INGREDIENT	ORIGINAL IDLH	REVISED IDLH
TRIETHANOLAMINE	NOT AVAILABLE	NOT AVAILABLE
DIPROPYLENE GLYCOL MONO-N-BUTYL ETHER - ALPHA ISOMER	NOT AVAILABLE	NOT AVAILABLE

**EXPOSURE CONTROLS**

**APPROPRIATE ENGINEERING CONTROLS:**

ENGINEERING CONTROLS ARE USED TO REMOVE A HAZARD OR PLACE A BARRIER BETWEEN THE WORKER AND THE HAZARD. WELL-DESIGNED ENGINEERING CONTROLS CAN BE HIGHLY EFFECTIVE IN PROTECTING WORKERS AND WILL TYPICALLY BE INDEPENDENT OF WORKER INTERACTIONS TO PROVIDE THIS HIGH LEVEL OF PROTECTION.

**PERSONAL PROTECTION:**

PROTECTIVE GLOVES, CLOTHING AND FOOTWEAR; RESPIRATOR

**EYE AND FACE PROTECTION:**

SAFETY GLASSES WITH SIDE SHIELDS. CHEMICAL GOGGLES.

**SKIN PROTECTION:**

SEE HAND PROTECTION BELOW

**HANDS/FEET PROTECTION:**

WEAR CHEMICAL PROTECTIVE GLOVES, E.G. PVC. WEAR SAFETY FOOTWEAR OR SAFETY GUMBOOTS, E.G. RUBBER. NOTE: THE MATERIAL MAY PRODUCE SKIN SENSITISATION IN PREDISPOSED INDIVIDUALS. CARE MUST BE TAKEN, WHEN REMOVING GLOVES AND OTHER PROTECTIVE EQUIPMENT, TO AVOID ALL POSSIBLE SKIN CONTACT. THE SELECTION OF SUITABLE GLOVES DOES NOT ONLY DEPEND ON THE MATERIAL, BUT ALSO ON FURTHER MARKS OF QUALITY WHICH VARY FROM MANUFACTURER TO MANUFACTURER. WHERE THE CHEMICAL IS A PREPARATION OF SEVERAL SUBSTANCES, THE RESISTANCE OF THE GLOVE MATERIAL CANNOT BE CALCULATED IN ADVANCE AND HAS THEREFORE TO BE CHECKED PRIOR TO THE APPLICATION. FOR AMINES: GLOVES MUST ONLY BE WORN ON CLEAN HANDS. AFTER USING GLOVES, HANDS SHOULD BE WASHED AND DRIED THOROUGHLY. BUTYL RUBBER GLOVES, NITRILE RUBBER GLOVES.



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

**BODY PROTECTION:** SEE OTHER PROTECTION BELOW

**OTHER PROTECTION:** OVERALLS, P.V.C.

**RESPIRATORY PROTECTION:** TYPE AK-P FILTER OF SUFFICIENT CAPACITY. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 OR NATIONAL EQUIVALENT). CARTRIDGE RESPIRATORS SHOULD NEVER BE USED FOR EMERGENCY INGRESS OR IN AREAS OF UNKNOWN VAPOUR CONCENTRATIONS OR OXYGEN CONTENT. THE WEARER MUST BE WARNED TO LEAVE THE CONTAMINATED AREA IMMEDIATELY ON DETECTING ANY ODOURS THROUGH THE RESPIRATOR. THE ODOUR MAY INDICATE THAT THE MASK IS NOT FUNCTIONING PROPERLY, THAT THE VAPOUR CONCENTRATION IS TOO HIGH, OR THAT THE MASK IS NOT PROPERLY FITTED. BECAUSE OF THESE LIMITATIONS, ONLY RESTRICTED USE OF CARTRIDGE RESPIRATORS IS CONSIDERED APPROPRIATE.

CARTRIDGE PERFORMANCE IS AFFECTED BY HUMIDITY. CARTRIDGES SHOULD BE CHANGED AFTER 2 HR OF CONTINUOUS USE UNLESS IT IS DETERMINED THAT THE HUMIDITY IS LESS THAN 75%, IN WHICH CASE, CARTRIDGES CAN BE USED FOR 4 HR. USED CARTRIDGES SHOULD BE DISCARDED DAILY, REGARDLESS OF THE LENGTH OF TIME USED.

#### SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** N/A

**PHYSICAL STATE:** LIQUID

**RELATIVE DENSITY (WATER = 1):** N/A

**ODOUR:** N/A

**PARTITION COEFFICIENT (N-OCTANOL /WATER):** N/A

**ODOUR THRESHOLD:** N/A

**AUTO-IGNITION TEMPERATURE (°C):** N/A

**PH (AS SUPPLIED):** N/A

**DECOMPOSITION TEMPERATURE:** N/A

**MELTING POINT / FREEZING POINT (°C):** N/A

**VISCOSITY (CST):** N/A

**INITIAL BOILING POINT/BOILING RANGE (°C):** N/A

**MOLECULAR WEIGHT (G/MOL):** N/A

**FLASH POINT (°C):** N/A

**TASTE:** N/A

**EVAPORATION RATE:** N/A

**EXPLOSIVE PROPERTIES:** N/A

**FLAMMABILITY:** N/A

**OXIDISING PROPERTIES:** N/A

**UPPER EXPLOSIVE LIMIT (%):** N/A

**SURFACE TENSION (DYN/CM OR MN/M):** N/A

**LOWER EXPLOSIVE LIMIT (%):** N/A

**VOLATILE COMPONENT (%VOL):** N/A

**VAPOUR PRESSURE (KPA):** N/A

**GAS GROUP:** N/A

**SOLUBILITY IN WATER IMMISCIBLE PH AS A SOLUTION (1%):** N/A

**VAPOUR DENSITY (AIR = 1):** N/A

**VOC G/L:** N/A



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#### SECTION X: STABILITY & REACTIVITY DATA

**REACTIVITY:** SEE SECTION 7

**CHEMICAL STABILITY:** UNSTABLE IN THE PRESENCE OF INCOMPATIBLE MATERIALS. PRODUCT IS CONSIDERED STABLE.

**POSSIBILITY OF HAZARDOUS REACTIONS:** SEE SECTION 7

**CONDITIONS TO AVOID:** SEE SECTION 7

**INCOMPATIBLE MATERIALS:** SEE SECTION 7

**HAZARDOUS DECOMPOSITION PRODUCTS:** SEE SECTION 5

#### SECTION XI: TOXICOLOGICAL INFORMATION

##### INFORMATION ON TOXICOLOGICAL EFFECTS

###### INHALED:

THE MATERIAL CAN CAUSE RESPIRATORY IRRITATION IN SOME PERSONS. THE BODY'S RESPONSE TO SUCH IRRITATION CAN CAUSE FURTHER LUNG DAMAGE. THE MATERIAL HAS **NOT** BEEN CLASSIFIED BY EC DIRECTIVES OR OTHER CLASSIFICATION SYSTEMS AS "HARMFUL BY INHALATION". THIS IS BECAUSE OF THE LACK OF CORROBORATING ANIMAL OR HUMAN EVIDENCE. RATS EXPOSED TO TRIETHANOLAMINE FOR SIX HOURS SHOWED NO ABNORMALITY.

###### INGESTION:

THE MATERIAL HAS **NOT** BEEN CLASSIFIED BY EC DIRECTIVES OR OTHER CLASSIFICATION SYSTEMS AS "HARMFUL BY INGESTION". THIS IS BECAUSE OF THE LACK OF CORROBORATING ANIMAL OR HUMAN EVIDENCE. TAKEN BY MOUTH, ISOTHIAZOLINONES HAVE MODERATE TO HIGH TOXICITY. THE MAJOR SIGNS OF TOXICITY ARE SEVERE STOMACH IRRITATION, LETHARGY, AND INCO-ORDINATION. INGESTION OF TRIETHANOLAMINE MAY CAUSE GASTRO-INTESTINAL IRRITATION WITH BLEEDING, BURNING OR PAINFUL SENSATIONS IN THE MOUTH, THROAT, CHEST AND ABDOMEN, VOMITING AND DIARRHOEA. ANIMAL TESTING HAS ALSO SHOWN SLUGGISHNESS, EXCESSIVE TEAR SECRETION, HAIRS STANDING UP, UNSTEADY GAIT, AND RED/BROWN DISCHARGE ON HAIR AROUND THE NOSE AND GENITALS.

###### SKIN CONTACT:

THE MATERIAL MAY ACCENTUATE ANY PRE-EXISTING DERMATITIS CONDITION. SKIN CONTACT IS NOT THOUGHT TO HAVE HARMFUL HEALTH EFFECTS (AS CLASSIFIED UNDER EC DIRECTIVES); THE MATERIAL MAY STILL PRODUCE HEALTH DAMAGE FOLLOWING ENTRY THROUGH WOUNDS, LESIONS OR ABRASIONS. A 0.5% SOLUTION OF 1,2-BENZISOTHIAZOLINE-3-ONE (BIT) IS IRRITATING TO THE SKIN. EVEN 0.05% CAN CAUSE ALLERGY, ACCORDING TO PATCH TESTS, WITH REDDENING OF THE SKIN.

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

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SOLUTIONS OF ISOTHIAZOLINONES MAY BE IRRITATING OR EVEN DAMAGING TO THE SKIN, DEPENDING ON CONCENTRATION. A CONCENTRATION OF OVER 0.1% CAN IRRITATE, AND OVER 0.5% CAN CAUSE SEVERE IRRITATION. OPEN CUTS, ABRADED OR IRRITATED SKIN SHOULD NOT BE EXPOSED TO THIS MATERIAL. ENTRY INTO THE BLOOD-STREAM, THROUGH, FOR EXAMPLE, CUTS, ABRASIONS OR LESIONS, MAY PRODUCE SYSTEMIC INJURY WITH HARMFUL EFFECTS. EXAMINE THE SKIN PRIOR TO THE USE OF THE MATERIAL AND ENSURE THAT ANY EXTERNAL DAMAGE IS SUITABLY PROTECTED. SKIN EXPOSURE TO TRIETHANOLAMINE MAY CAUSE SLIGHT IRRITATION WITH ITCHING, LOCAL REDNESS, SWELLING AND TISSUE DESTRUCTION, SENSITISATION (IN A SMALL PROPORTION OF INDIVIDUALS), AND REDDENED BLISTERS. EXPOSURE OF ANIMALS TO TOXIC LEVELS OF TRIETHANOLAMINE MAY CAUSE SLUGGISHNESS, UNSTEADY GAIT, EMACIATION AND DISCOLOURATION OF BODY ORGANS. THE MATERIAL MAY CAUSE MILD BUT SIGNIFICANT INFLAMMATION OF THE SKIN EITHER FOLLOWING DIRECT CONTACT OR AFTER A DELAY OF SOME TIME. REPEATED EXPOSURE CAN CAUSE CONTACT DERMATITIS WHICH IS CHARACTERISED BY REDNESS, SWELLING AND BLISTERING.

**EYE:** IF APPLIED TO THE EYES, THIS MATERIAL CAUSES SEVERE EYE DAMAGE. SOLUTIONS CONTAINING ISOTHIAZOLINONES MAY DAMAGE THE MUCOUS MEMBRANES AND CORNEA. ANIMAL TESTING SHOWED VERY LOW CONCENTRATIONS (UNDER 0.1%) DID NOT CAUSE IRRITATION, WHILE HIGHER LEVELS (3-5.5%) PRODUCED SEVERE IRRITATION AND DAMAGE TO THE EYE.

**CHRONIC:** THERE HAS BEEN CONCERN THAT THIS MATERIAL CAN CAUSE CANCER OR MUTATIONS, BUT THERE IS NOT ENOUGH DATA TO MAKE AN ASSESSMENT. LONG-TERM EXPOSURE TO RESPIRATORY IRRITANTS MAY RESULT IN AIRWAYS DISEASE, INVOLVING DIFFICULTY BREATHING AND RELATED WHOLE-BODY PROBLEMS. SKIN CONTACT WITH THE MATERIAL IS MORE LIKELY TO CAUSE A SENSITISATION REACTION IN SOME PERSONS COMPARED TO THE GENERAL POPULATION. SUBSTANCE ACCUMULATION, IN THE HUMAN BODY, MAY OCCUR AND MAY CAUSE SOME CONCERN FOLLOWING REPEATED OR LONG-TERM OCCUPATIONAL EXPOSURE. PROLONGED OR CHRONIC EXPOSURE TO ALKANOLAMINES MAY RESULT IN LIVER, KIDNEY OR NERVOUS SYSTEM INJURY. REPEATED INHALATION MAY AGGRAVATE ASTHMA AND LUNG DISEASE INVOLVING INFLAMMATION OR SCARRING. IN ANIMAL TESTING, 1,2-BENZISOTHIAZOLINE-3-ONE (BIT) DID NOT CAUSE TOXICITY TO THE EMBRYO OR BIRTH DEFECTS. THE MATERIAL DOES NOT CAUSE MUTATIONS OR AN INCREASE IN CANCER. THE ISOTHIAZOLINONES ARE KNOWN CONTACT SENSITISERS. SENSITISATION IS MORE LIKELY WITH THE CHLORINATED SPECIES AS OPPOSED TO THE NON-CHLORINATED SPECIES. TRIETHANOLAMINE IS REPORTED TO CAUSE REVERSIBLE KIDNEY AND LIVER DAMAGE BUT NOT CANCER OR FOETAL TOXICITY. HOWEVER, IT'S REACTION WITH NITRITES AND NITROUS ACID MAY PRODUCE POTENT CANCER CAUSING AGENT - N-NITROSODIETHANOLAMINE.

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**SAFETY DATA SHEET**

**PRODUCT NAME: POLY – POLY PRO II LOW SHEEN (PART A) HMIS RATINGS: H F R**

**PRODUCT DESCRIPTION: LOW SHEEN POLYURETHANE (2A: 1B)**

**3 1 0**

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

**TRIETHANOLAMINE**

**TOXICITY:**

DERMAL (RAT) LD50: >2000 MG/KG[2] ; ORAL (RAT) LD50: 4190 MG/KG[2]

**IRRITATION:**

EYE (RABBIT): 0.1 ML -

EYE (RABBIT): 10 MG - MILD

EYE (RABBIT): 5.62 MG - SEVERE

MINOR CONJUNCTIVAL IRRITATION

NO IRRITATION \*

SKIN (HUMAN): 15 MG/3D (INT)-MILD

SKIN (RABBIT): 4 H OCCLUDED

SKIN (RABBIT): 560 MG/24 HR- MILD

**DIPROPYLENE GLYCOL MONO-N-BUTYL ETHER – ALPHA ISOMER**

**TOXICITY**

DERMAL (RAT) LD50: >2000 MG/KG[2] ; ORAL (RAT) LD50: 1501.74 MG/KG[2]

**IRRITATION**

EYE: NO ADVERSE EFFECT OBSERVED (NOT IRRITATING)[1]

SKIN: NO ADVERSE EFFECT OBSERVED (NOT IRRITATING)[1]

**TRIETHANOLAMINE:** OVEREXPOSURE TO MOST OF THESE MATERIALS MAY CAUSE ADVERSE HEALTH EFFECTS. MANY AMINE-BASED COMPOUNDS CAN CAUSE RELEASE OF HISTAMINES, WHICH, IN TURN, CAN TRIGGER ALLERGIC AND OTHER PHYSIOLOGICAL EFFECTS, INCLUDING CONSTRICTION OF THE BRONCHI OR ASTHMA AND INFLAMMATION OF THE CAVITY OF THE NOSE. THE MATERIAL MAY PRODUCE SEVERE IRRITATION TO THE EYE CAUSING PRONOUNCED INFLAMMATION. REPEATED OR PROLONGED EXPOSURE TO IRRITANTS MAY PRODUCE CONJUNCTIVITIS. THE MATERIAL MAY CAUSE SKIN IRRITATION AFTER PROLONGED OR REPEATED EXPOSURE AND MAY PRODUCE ON CONTACT SKIN REDNESS, SWELLING, THE PRODUCTION OF VESICLES, SCALING AND THICKENING OF THE SKIN. STUDIES DONE SHOW THAT TRIETHANOLAMINE IS OF LOW TOXICITY FOLLOWING HIGH DOSE EXPOSURE BY SWALLOWING, SKIN CONTACT OR INHALATION. IT HAS NOT BEEN SHOWN TO CAUSE CANCER, GENETIC DEFECTS, REPRODUCTIVE OR DEVELOPMENTAL TOXICITY. 551TEAPCP

THE SUBSTANCE IS CLASSIFIED BY IARC AS GROUP 3: NOT CLASSIFIABLE AS TO ITS CARCINOGENICITY TO HUMANS. EVIDENCE OF CARCINOGENICITY MAY BE INADEQUATE OR LIMITED IN ANIMAL TESTING.

**SAFETY DATA SHEET**

**PRODUCT NAME: POLY – POLY PRO II LOW SHEEN (PART A) HMIS RATINGS: H F R**

**PRODUCT DESCRIPTION: LOW SHEEN POLYURETHANE (2A: 1B) 3 1 0**

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

NOTE: SUBSTANCE HAS BEEN SHOWN TO BE MUTAGENIC IN AT LEAST ONE ASSAY, OR BELONGS TO A FAMILY OF CHEMICALS PRODUCING DAMAGE OR CHANGE TO CELLULAR DNA.

LACHRYMATION, DIARRHOEA, CONVULSIONS, URINARY TRACT CHANGES, CHANGES IN BLADDER WEIGHT, CHANGES IN TESTICULAR WEIGHT, CHANGES IN THYMUS WEIGHT, CHANGES IN LIVER WEIGHT, DERMATITIS AFTER SYSTEMIC EXPOSURE, KIDNEY, URETER, BLADDER TUMOURS RECORDED. EQUIVOCAL TUMOURIGEN BY RTECS CRITERIA. DERMAL RABBIT VALUE QUOTED ABOVE IS FOR OCCLUDED PATCH IN MALE OR FEMALE ANIMALS \* UNION CARBIDE

**DIPROPYLENE GLYCOL MONO-N-BUTYL ETHER ALPHA ISOMER**

FOR PROPYLENE GLYCOL ETHERS (PGES): TYPICAL PROPYLENE GLYCOL ETHERS INCLUDE PROPYLENE GLYCOL N-BUTYL ETHER (PNB); DIPROPYLENE GLYCOL N-BUTYL ETHER (DPNB); DIPROPYLENE GLYCOL METHYL ETHER ACETATE (DPMA) AND TRIPROPYLENE GLYCOL METHYL ETHER (TPM). TESTING OF A WIDE VARIETY OF PROPYLENE GLYCOL ETHERS HAS SHOWN THAT PROPYLENE GLYCOL-BASED ETHERS ARE LESS TOXIC THAN SOME ETHERS OF THE ETHYLENE SERIES.

**PART 'A' CLEAR FINISH & TRIETHANOLAMINE**

ASTHMA-LIKE SYMPTOMS MAY CONTINUE FOR MONTHS OR EVEN YEARS AFTER EXPOSURE TO THE MATERIAL ENDS. THIS MAY BE DUE TO A NON-ALLERGIC CONDITION KNOWN AS REACTIVE AIRWAYS DYSFUNCTION SYNDROME (RADS) WHICH CAN OCCUR AFTER EXPOSURE TO HIGH LEVELS OF HIGHLY IRRITATING COMPOUND. THE FOLLOWING INFORMATION REFERS TO CONTACT ALLERGENS AS A GROUP AND MAY NOT BE SPECIFIC TO THIS PRODUCT. CONTACT ALLERGIES QUICKLY MANIFEST THEMSELVES AS CONTACT ECZEMA, MORE RARELY AS URTICARIA OR QUINCKE'S OEDEMA.

**SECTION XII: ECOLOGICAL INFORMATION**

**POLY PRO 'A' LOW SHEEN FINISH: NO DATA AVAILABLE**

**TRIETHANOLAMINE**

ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
LC50	96	FISH	11-800MG/L	2
EC50	48	CRUSTACEA	609.88MG/L	2
EC50	96	ALGAE OR OTHER AQUATIC PLANTS	169MG/L	1
EC0	24	CRUSTACEA	1-530MG/L	2
NOEC	504	CRUSTACEA	16MG/L	1

**SAFETY DATA SHEET**

**PRODUCT NAME: POLY – POLY PRO II LOW SHEEN (PART A) HMIS RATINGS: H F R**

**PRODUCT DESCRIPTION: LOW SHEEN POLYURETHANE (2A: 1B) 3 1 0**

**SECTION XII: ECOLOGICAL INFORMATION**

**DIPROPYLENE GLYCOL MONO-N-BUTYL ETHER – ALPHA ISOMER**

ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE	SOURCE
LC50	96	FISH	139.478MG/L	3
EC50	48	CRUSTACEA	>100MG/L	2
EC50	96	ALGAE OR OTHER AQUATIC PLANTS	519MG/L	2
EC0	48	CRUSTACEA	>=100MG/L	2
NOEC	48	CRUSTACEA	>1-MG/L	2

HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT. DO NOT ALLOW PRODUCT TO COME IN CONTACT WITH SURFACE WATERS OR TO INTERTIDAL AREAS BELOW THE MEAN HIGH WATER MARK. DO NOT CONTAMINATE WATER WHEN CLEANING EQUIPMENT OR DISPOSING OF EQUIPMENT WASH-WATERS.

**ENVIRONMENTAL FATE:**

ISOTHIAZOLINONES ARE ANTIMICROBIALS USED TO CONTROL BACTERIA, FUNGI, AND FOR WOOD PRESERVATION AND ANTIFOULING AGENTS. THEY ARE FREQUENTLY USED IN PERSONAL CARE PRODUCTS SUCH AS SHAMPOOS AND OTHER HAIR CARE PRODUCTS, AS WELL AS CERTAIN PAINT FORMULATIONS.

**FOR TRIETHANOLAMINE:**

KOC: 3 HALF-LIFE (HR) AIR: 4HENRY'S ATM M3 /MOL: 3.38E-19BOD 5 IF UNSTATED: NIL-0.17COD : 1.5THOD : 2.04; 1.61 P/PTHOD (MEASURED) 1.52 MG/MG (UNION CARBIDE)THOD (CALCULATED) 1.61 MG/MG (UNION CARBIDE)BCF : <1BIODEGRADABILITY: 96% DOC REDUCTION (OECD METHOD 301E)BOD; DAY 5: 8%, DAY 10: 9%, DAY 20: 66% PASSES STURM, AFNOR TESTS FOR BIODEGRADABILITY. REACHES MORE THAN 70% MINERALISATION IN OECD TEST FOR INHERENT BIODEGRADABILITY (ZAHN-WELLENS TEST). **DO NOT DISCHARGE INTO SEWER OR WATERWAYS.**

**PERSISTENCE AND DEGRADABILITY**

**TRIETHANOLAMINE:** WATER/SOIL PERSISTENCE = LOW; PERSISTENCE AIR = LOW

**DIPROPYLENE GLYCOL MONO-N-BUTYL ETHER - ALPHA ISOMER:** WATER/SOIL PERSISTENCE = HIGH; PERSISTENCE AIR = HIGH

**BIOACCUMULATIVE POTENTIAL**

**TRIETHANOLAMINE:** LOW (BCF = 3.9)

**DIPROPYLENE GLYCOL MONO-N-BUTYL ETHER - ALPHA ISOMER:** LOW (LOGKOW = 1.1274)

**MOBILITY IN SOIL**

**TRIETHANOLAMINE:** LOW (KOC = 10)

**DIPROPYLENE GLYCOL MONO-N-BUTYL ETHER - ALPHA ISOMER:** LOW (KOC = 10)

# ECO CorFlex

## Molecular Industrial Polymers

### SAFETY DATA SHEET

**PRODUCT NAME: POLY – POLY PRO II LOW SHEEN (PART A) HMIS RATINGS: H F R**

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**3 1 0**

#### SECTION XIII: DISPOSAL CONSIDERATIONS

##### WASTE TREATMENT METHODS

**PRODUCT / PACKAGING DISPOSAL:** CONTAINERS MAY STILL PRESENT A CHEMICAL HAZARD/ DANGER WHEN EMPTY. RETURN TO SUPPLIER FOR REUSE/RECYCLING IF POSSIBLE.

LEGISLATION ADDRESSING WASTE DISPOSAL REQUIREMENTS MAY DIFFER BY COUNTRY, STATE AND/ OR TERRITORY. EACH USER MUST REFER TO LAWS OPERATING IN THEIR AREA.

**DO NOT ALLOW WASH WATER FROM CLEANING OR PROCESS EQUIPMENT TO ENTER DRAINS.**

IT MAY BE NECESSARY TO COLLECT ALL WASH WATER FOR TREATMENT BEFORE DISPOSAL. RECYCLE WHEREVER POSSIBLE OR CONSULT MANUFACTURER FOR RECYCLING OPTIONS. CONSULT STATE LAND WASTE AUTHORITY FOR DISPOSAL.

#### SECTION XIV: TRANSPORT INFORMATION

##### LABELS REQUIRED

**MARINE POLLUTANT:** NO

**LAND TRANSPORT (DOT):** NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

**AIR TRANSPORT (ICAO-IATA / DGR):** NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

**SEA TRANSPORT (IMDG-CODE / GGVSEE):** NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

**TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL AND THE IBC CODE:** NOT APPLICABLE

#### SECTION XV: REGULATORY INFORMATION

##### FEDERAL REGULATIONS

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

##### SECTION 311/312 HAZARD CATEGORIES

**FLAMMABLE (GASES, AEROSOLS, LIQUIDS, OR SOLIDS):** NO

**GAS UNDER PRESSURE:** NO

**EXPLOSIVE:** NO

**SELF-HEATING:** NO

**PYROPHORIC (LIQUID OR SOLID):** NO

**PYROPHORIC GAS:** NO

**CORROSIVE TO METAL:** NO

**OXIDIZER (LIQUID, SOLID OR GAS):** NO

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### SAFETY DATA SHEET

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**3 1 0**

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

ORGANIC PEROXIDE: NO

SELF-REACTIVE: NO

IN CONTACT WITH WATER EMITS FLAMMABLE GAS: NO

COMBUSTIBLE DUST: NO

CARCINOGENICITY: YES

ACUTE TOXICITY (ANY ROUTE OF EXPOSURE): NO

REPRODUCTIVE TOXICITY: YES

SKIN CORROSION OR IRRITATION: YES

RESPIRATORY OR SKIN SENSITIZATION: YES

SERIOUS EYE DAMAGE OR EYE IRRITATION: YES

SPECIFIC TARGET ORGAN TOXICITY (SINGLE OR REPEATED EXPOSURE): NO

ASPIRATION HAZARD: NO

GERM CELL MUTAGENICITY: NO

SIMPLE ASPHYXIAN: NO

HAZARDS NOT OTHERWISE CLASSIFIED: NO

**US. EPA CERCLA HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES (40 CFR 302.4): NONE REPORTED**

**STATE REGULATIONS:**

**US. CALIFORNIA PROPOSITION 65: NONE REPORTED**

**NATIONAL INVENTORY STATUS**

AUSTRALIA - AICS YES

CANADA - DSL YES

CANADA - NDSL NO (DIPROPYLENE GLYCOL MONO-N-BUTYL ETHER - ALPHA ISOMER; TRIETHANOLAMINE)

CHINA - IECSC YES

EUROPE - EINEC / ELINCS / NLP YES

JAPAN - ENCS YES

KOREA - KECI YES

NEW ZEALAND - NZIOC YES

PHILIPPINES - PICCS YES



# ECO CorFlex

## Molecular Industrial Polymers

### SAFETY DATA SHEET

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**3 1 0**

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

USA - TSCA YES

TAIWAN - TCSI YES

MEXICO - INSQ YES

VIETNAM - NCI YES

RUSSIA - ARIPS YES

LEGEND:

YES = ALL CAS DECLARED INGREDIENTS ARE ON THE INVENTORY

NO = ONE OR MORE OF THE CAS LISTED INGREDIENTS ARE NOT ON THE INVENTORY AND ARE NOT EXEMPT FROM LISTING(SEE SPECIFIC INGREDIENTS IN BRACKETS)

#### SECTION XVI: OTHER INFORMATION

##### ABBREVIATIONS & ACRONYMS:

PC— TWA: PERMISSIBLE CONCENTRATION-TIME WEIGHTED AVERAGE

PC— STEL: PERMISSIBLE CONCENTRATION-SHORT TERM EXPOSURE LIMIT

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

ACGIH: AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS

STEL: SHORT TERM EXPOSURE LIMIT

TEEL: TEMPORARY EMERGENCY EXPOSURE LIMIT.

IDLH: IMMEDIATELY DANGEROUS TO LIFE OR HEALTH CONCENTRATIONS

OSF: ODOUR SAFETY FACTOR

NOAEL :NO OBSERVED ADVERSE EFFECT LEVEL

LOAEL: LOWEST OBSERVED ADVERSE EFFECT LEVEL

TLV: THRESHOLD LIMIT VALUE

LOD: LIMIT OF DETECTION

OTV: ODOUR THRESHOLD VALUE

BCF: BIOCONCENTRATION FACTORS

BEI: BIOLOGICAL EXPOSURE INDEX

# ECO CorFlex

## Molecular Industrial Polymers

### SAFETY DATA SHEET

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**PRODUCT NAME:** POLY – **POLY PRO II LOW SHEEN (PART A)** **HMIS RATINGS: H F R**

**PRODUCT DESCRIPTION:** LOW SHEEN POLYURETHANE (2A: 1B)

3 1 0

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