

ECO CorFlex

Molecular Industrial Polymers

SAFETY DATA SHEET

PRODUCT NAME: CLEARSHIELD SATIN

HMIS RATINGS: H F PH

PRODUCT DESCRIPTION: WATER-BASED POLYURETHANE

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SECTION I: COMPANY IDENTIFICATION

DISTRIBUTOR'S NAME:	ECO-CORFLEX INDUSTRIAL POLYMERS		
ADDRESS:	4350 S. 38 TH ST., SUITE #110, PHOENIX, AZ 85040		
EMERGENCY PHONE #:	1-800-255-3924	DATE REVISED:	OCT 01, 2025
INFORMATION PHONE #:	1-866-406-2628	NAME OF PREPARER:	TECH. DEPT.

SECTION II: HAZARDS IDENTIFICATION

CLASSIFICATION OF HAZARDOUS PRODUCT (NAME OF THE CATEGORY OR SUBCATEGORY OF THE HAZARD CLASS):
NOT REGULATED

INFORMATION ELEMENTS (SYMBOLS, SIGNAL WORDS, HAZARD STATEMENTS AND PRECAUTIONARY STATEMENTS OF THE CATEGORY/SUBCATEGORY): NONE

OTHER HAZARDS KNOWN: NONE

SECTION III: COMPOSITION & INFORMATION ON INGREDIENTS

Chemical name (common name/synonyms)	CAS number or other	Concentration (%)
Dipropylene glycol monomethyl ether	34590-94-8	1-5
Propylene glycol	57-55-6	1-5
Dipropylene glycol monobutyl ether	29911-28-2	<2

* STATEMENT - THIS SAFETY DATA SHEET PROVIDES CONCENTRATION RANGE(S) INSTEAD OF THE ACTUAL CONCENTRATION(S) BY WEIGHT (EXCEPT FOR GASES/PROPELLANTS BY VOLUME) CONSIDERED TRADE SECRET(S).

SECTION IV: FIRST AID MEASURES

INHALATION - IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING. CALL A DOCTOR IF YOU FEEL UNWELL.

INGESTION - IF SWALLOWED: IMMEDIATELY CALL A DOCTOR. DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH IF VICTIM IS RAPIDLY LOSING CONSCIOUSNESS, OR IS UNCONSCIOUS OR CONVULSING. RINSE MOUTH THOROUGHLY WITH WATER. HAVE VICTIM DRINK TWO GLASSES OF WATER. IF VOMITING OCCURS NATURALLY, HAVE VICTIM LEAN FORWARD TO REDUCE RISK OF ASPIRATION.

SKIN CONTACT - IF ON SKIN: WASH WITH PLENTY OF WATER. (5-10 MINUTES)

EYE CONTACT - IF IN EYES, RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES (5-10).

MOST IMPORTANT SYMPTOMS AND EFFECTS (ACUTE OR DELAYED) - MAY CAUSE SLIGHT TRANSIENT RESPIRATORY, SKIN AND EYE IRRITATIONS.

INDICATION OF IMMEDIATE MEDICAL ATTENTION/SPECIAL TREATMENT - IN ALL CASES, CALL A DOCTOR. DO NOT FORGET THIS DOCUMENT.

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SECTION V: FIRE FIGHTING MEASURES

SPECIFIC HAZARDS OF THE HAZARDOUS PRODUCT (HAZARDOUS COMBUSTION PRODUCTS) - CARBON OXIDES AND OTHER IRRITANT/TOXIC GASES AND FUMES.

SUITABLE AND UNSUITABLE EXTINGUISHING MEDIA - IN CASE OF FIRE: USE CARBON DIOXIDE, CHEMICAL POWDER AGENT AND APPROPRIATE FOAM TO EXTINGUISH SURROUNDING PRODUCTS.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS - DURING A FIRE, IRRITATING/TOXIC SMOKE AND FUMES MAY BE GENERATED. DO NOT ENTER FIRE AREA WITHOUT PROPER PROTECTION. FIREFIGHTERS SHOULD WEAR PROPER PROTECTIVE EQUIPMENT AND SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE. SHIELD PERSONNEL TO PROTECT FROM VENTING, RUPTURING OR BURSTING CANS. MOVE CONTAINERS FROM FIRE AREA IF IT CAN BE DONE WITHOUT RISK. WATER SPRAY MAY BE USEFUL IN COOLING EQUIPMENT AND CANS EXPOSED TO HEAT AND FLAME.

SECTION VI: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES - RESTRICT ACCESS TO AREA UNTIL COMPLETION OF CLEAN-UP. ENSURE CLEAN-UP IS CONDUCTED BY TRAINED PERSONNEL ONLY. ALL PERSONS DEALING WITH CLEAN-UP SHOULD WEAR THE APPROPRIATE PROTECTIVE EQUIPMENT (SEE SECTION 8).

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP - VENTILATE AREA OF RELEASE. STOP THE LEAK IF IT CAN BE DONE SAFELY. CONTAIN AND ABSORB ANY SPILLED LIQUID CONCENTRATE WITH INERT ABSORBENT MATERIAL, THEN PLACE MATERIAL INTO A CONTAINER FOR LATER DISPOSAL (SEE SECTION 13). CONTAMINATED ABSORBENT MATERIAL MAY POSE THE SAME HAZARDS AS THE SPILLED PRODUCT. NOTIFY THE APPROPRIATE AUTHORITIES AS REQUIRED.

SECTION VII: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

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

BEFORE HANDLING, IT IS VERY IMPORTANT THAT ENGINEERING CONTROLS ARE OPERATING, AND THAT PROTECTIVE EQUIPMENT REQUIREMENTS AND PERSONAL HYGIENE MEASURES ARE BEING FOLLOWED. PEOPLE WORKING WITH THIS CHEMICAL SHOULD BE PROPERLY TRAINED REGARDING ITS HAZARDS AND ITS SAFE USE. INSPECT CONTAINERS FOR LEAKS BEFORE HANDLING. LABEL CONTAINERS APPROPRIATELY. ENSURE PROPER VENTILATION. AVOID BREATHING DUST/FUME/GAS/MIST/VAPOURS/SPRAY. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. KEEP AWAY FROM HEAT, SPARKS AND FLAME. AVOID GENERATING HIGH CONCENTRATIONS OF DUSTS, VAPOURS OR MISTS. KEEP AWAY FROM INCOMPATIBLE MATERIALS (SECTION 10). KEEP CONTAINERS CLOSED WHEN NOT IN USE. EMPTY CONTAINERS ARE ALWAYS DANGEROUS. REFER ALSO TO SECTION 8.

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SECTION VII: HANDLING AND STORAGE (CONT'D)

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED. KEEP COOL. STORE LOCKED UP. STORE AWAY FROM INCOMPATIBLE MATERIALS (SECTION 10). INSPECT ALL INCOMING CONTAINERS TO MAKE SURE THEY ARE PROPERLY LABELLED AND NOT DAMAGED. STORAGE AREA SHOULD BE CLEARLY IDENTIFIED, CLEAR OF OBSTRUCTION AND ACCESSIBLE ONLY TO TRAINED PERSONNEL. INSPECT PERIODICALLY FOR DAMAGE OR LEAKS.

SECTION VIII: EXPOSURE CONTROL / PERSONAL PROTECTION

CONTROL PARAMETERS (BIOLOGICAL LIMIT VALUES OR EXPOSURE LIMIT VALUES AND SOURCE OF THOSE VALUES)

- EXPOSURE LIMITS: CAS 34590-94-8 PEL-TWA 100 PPM; DUST – PEL-TWA 15 MG/M3 (TOTAL DUST) & 5 MG/M3 (RESPIRABLE FRACTION);

APPROPRIATE ENGINEERING CONTROLS - USE UNDER WELL-VENTILATED CONDITIONS. LOCAL EXHAUST VENTILATION SYSTEM IS RECOMMENDED TO MAINTAIN CONCENTRATIONS OF CONTAMINANTS BELOW EXPOSURE LIMITS. MAKE EMERGENCY EYEWASH STATIONS, SAFETY/QUICK-DRENCH SHOWERS, AND WASHING FACILITIES AVAILABLE IN WORK AREA.

INDIVIDUAL PROTECTION MEASURES/PERSONAL PROTECTIVE EQUIPMENT - RESPIRATORY PROTECTION IS REQUIRED IF THE CONCENTRATIONS ARE HIGHER THAN THE EXPOSURE LIMITS. USE A NIOSH APPROVED RESPIRATORS IF THE EXPOSURE LIMITS ARE UNKNOWN. CHEMICALLY PROTECTIVE GLOVES (IMPERVIOUS), AND OTHER PROTECTIVE CLOTHING TO PREVENT PROLONGED OR REPEATED SKIN CONTACT, MUST BE WORN DURING ALL HANDLING OPERATIONS. WEAR PROTECTIVE CHEMICAL SPLASH GOGGLES TO PREVENT MISTS FROM ENTERING THE EYES. WASH HANDS/NAILS/FACE THOROUGHLY AFTER HANDLING. DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. PRACTICE GOOD PERSONAL HYGIENE AFTER USING THIS MATERIAL. REMOVE AND WASH CONTAMINATED WORK CLOTHING BEFORE RE-USE.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Appearance, physical state/colour	Clear liquid	Vapour pressure	Not available
Odour	Characteristic	Vapour density	Not available
Odour threshold	Not available	Relative density	1.04-1.05
pH	7.8-8.6	Solubility	Miscible
Melting/freezing point	Not available	Partition coefficient - n-octanol/water	Not available
Initial boiling point/range	Not available	Auto-ignition temperature	Not available
Flash point	Not available	Decomposition temperature	Not available
Evaporation rate	Not available	Viscosity	Not available
Flammability (solids and gases)	Not available	VOC	Not available
Upper and lower flammability/explosive limits	Not available	Other	None known

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SECTION X: STABILITY & REACTIVITY DATA

REACTIVITY - DOES NOT REACT UNDER THE RECOMMENDED STORAGE AND HANDLING CONDITIONS PRESCRIBED.

CHEMICAL STABILITY - STABLE UNDER THE RECOMMENDED STORAGE AND HANDLING CONDITIONS PRESCRIBED.

POSSIBILITY OF HAZARDOUS REACTIONS - NONE KNOWN

CONDITIONS TO AVOID (STATIC DISCHARGE, SHOCK OR VIBRATION) - NONE KNOWN

INCOMPATIBLE MATERIALS - OXIDIZING MATERIALS; ETC.

HAZARDOUS DECOMPOSITION PRODUCTS - NONE KNOWN

SECTION XI: TOXICOLOGICAL INFORMATION

INFORMATION ON THE LIKELY ROUTES OF EXPOSURE (INHALATION, INGESTION, SKIN AND EYE CONTACT) -MAY CAUSE SLIGHT TRANSIENT RESPIRATORY, SKIN AND EYE IRRITATIONS.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS - SKIN IRRITATION, REDNESS; EYE IRRITATION, REDNESS;

DELAYED AND IMMEDIATE EFFECTS (CHRONIC EFFECTS FROM SHORT-TERM AND LONG-TERM EXPOSURE) - SKIN SENSITIZATION – NO DATA AVAILABLE; RESPIRATORY SENSITIZATION – NO DATA AVAILABLE; GERM CELL MUTAGENICITY – NO DATA AVAILABLE; CARCINOGENICITY – NO INGREDIENT LISTED BY IARC, ACGIH, NTP OR OSHA REPRODUCTIVE TOXICITY – NO DATA AVAILABLE; SPECIFIC TARGET ORGAN TOXICITY — SINGLE EXPOSURE – NO DATA AVAILABLE; SPECIFIC TARGET ORGAN TOXICITY — REPEATED EXPOSURE – NO DATA AVAILABLE; ASPIRATION HAZARD – NO DATA AVAILABLE; HEALTH HAZARDS NOT OTHERWISE CLASSIFIED – NO DATA AVAILABLE.

NUMERICAL MEASURES OF TOXICITY (ATE; LD50 & LC50) - CAS 34590-94-8 LD50 ORAL, RAT 5230 MG/KG; LD50 DERMAL, RABBIT 9500 MG/KG; CAS 57-55-6 LD50 ORAL, RAT 21700 MG/KG; LD50 DERMAL, RABBIT 20800 MG/KG; CAS 29911-28-2 LD50 ORAL, RAT 1479 MG/KG; LD50 DERMAL, RABBIT 5350 MG/KG; ATE NOT AVAILABLE IN THIS DOCUMENT.

SECTION XII: ECOLOGICAL INFORMATION

ECOTOXICITY (AQUATIC AND TERRESTRIAL INFORMATION) - NO DATA AVAILABLE FOR THE PRODUCT

PERSISTENCE AND DEGRADABILITY - NO DATA AVAILABLE

BIOACCUMULATIVE POTENTIAL - NO DATA AVAILABLE

MOBILITY IN SOIL - NO DATA AVAILABLE

OTHER ADVERSE EFFECTS - NO DATA AVAILABLE

SECTION XIII: DISPOSAL CONSIDERATIONS

INFORMATION ON SAFE HANDLING FOR DISPOSAL/METHODS OF DISPOSAL/CONTAMINATED PACKAGING - DISPOSE OF CONTENTS/CONTAINER INTO SAFE CONTAINER IN ACCORDANCE WITH LOCAL, REGIONAL OR NATIONAL REGULATIONS.

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SECTION XIV: TRANSPORT INFORMATION

UN NUMBER; PROPER SHIPPING NAME; CLASS(ES); PACKING GROUP (PG) OF THE TDG REGULATIONS - NOT REGULATED

UN NUMBER; PROPER SHIPPING NAME; CLASS(ES); PACKING GROUP (PG) OF THE IMDG (MARITIME) - NOT REGULATED

UN NUMBER; PROPER SHIPPING NAME; CLASS(ES); PACKING GROUP (PG) OF THE IATA (AIR) - NOT REGULATED

SPECIAL PRECAUTIONS (TRANSPORT/CONVEYANCE) - NONE

ENVIRONMENTAL HAZARDS (IMDG OR OTHER) - NONE

BULK TRANSPORT (USUALLY MORE THAN 450 L IN CAPACITY) - POSSIBLE

SECTION XV: REGULATORY INFORMATION

SAFETY/HEALTH CANADIAN REGULATIONS SPECIFICS - REFER TO SECTION 2 FOR THE APPROPRIATE CLASSIFICATION. THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE HAZARDOUS PRODUCTS REGULATIONS (HPR).

ENVIRONMENTAL CANADIAN REGULATIONS SPECIFICS - REFER TO SECTION 3 FOR INGREDIENT(S) OF THE DSL

SAFETY/HEALTH/ENVIRONMENTAL OUTSIDE REGULATIONS SPECIFICS

UNITED STATES OSHA INFORMATION: THIS PRODUCT IS REGULATED ACCORDING TO OSHA (29 CFR).

UNITED STATES EPA (ENVIRONMENTAL PROTECTION AGENCY) INFORMATION: 40 CFR REFER TO THE INGREDIENTS LISTED IN SECTION 3 & SECTIONS 12; 13 & 14.

UNITED STATES TCSA INFORMATION: REFER TO THE INGREDIENTS LISTED IN SECTION 3.

SECTION XVI: OTHER INFORMATION

ACGIH - AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS

ATE - ACUTE TOXICITY ESTIMATE

CAS - CHEMICAL ABSTRACT SERVICE

DSL - DOMESTIC SUBSTANCE LIST

IARC - INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IATA - INTERNATIONAL AIR TRANSPORT ASSOCIATION

IMDG - INTERNATIONAL MARITIME DANGEROUS GOODS CODE

LC - LETHAL CONCENTRATION

LD - LETHAL DOSAGE

NIOSH - NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH

NTP - NATIONAL TOXICOLOGY PROGRAM (U.S.A.)

OSHA - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (U.S.A.)

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SECTION XVI: OTHER INFORMATION (CONT'D)

PEL - PERMISSIBLE EXPOSURE LIMIT

STEL - SHORT-TERM EXPOSURE LIMIT

TDG - TRANSPORT OF DANGEROUS GOODS IN CANADA

TLV - THRESHOLD LIMIT VALUE

TSCA - TOXIC SUBSTANCES CONTROL ACT

TWA - TIME WEIGHTED AVERAGE

WHMIS - WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM

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.