

FLEXCLEAR MATERIAL SAFETY DATA SHEET

Preventex Technology
 P.O. BOX 99
 WOODBURN, KY 42170

DATE: 4/28/2003
 TELEPHONE: 270-529-0028
 NIGHT: 270-792-5451

1) CHEMICAL PRODUCT IDENTIFICATION

PRODUCT ID PREVENTEX FLEX CLEAR
SYNONYMS NONE
CHEMICAL FAMILY WATERBORNE POLYURETHANE DISPERSION
APPLICATION COATING

2) COMPOSITION / INGREDIENTS

INGREDIENT NAME POLYURETHANE POLYMER
WGT 30 TO 40 %
OSHA PEL N/A
ACGIH TLV N/A

3) HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW ODORLESS OFF-WHITE LIQUID MAY IRRITATE THE SKIN
SKIN CONTACT MAY CAUSE MILD SKIN IRRITATION
INHALATION NON-HAZARDOUS UNDER NORMAL USE CONDITIONS
EYE CONTACT MAY CAUSE EYE IRRITATION
INGESTION IF SWALLOWED, KEEP AT REST AND CALL A PHYSICIAN. DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY A MEDICAL PROFESSIONAL.

4) FIRST AID MEASURES

SKIN CONTACT WASH WITH SOAP AND WATER
INHALATION MOVE PERSON TO FRESH AIR
EYE CONTACT FLUSH EYES WITH COPIOUS AMOUNTS OF WATER. IF IRRITATION OR REDNESS PERSISTS OR SIGNS OF TOXICITY OCCUR, SEEK MEDICAL ATTENTION.
INGESTION IF SWALLOWED, GIVE 1-2 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON. GET MEDICAL ATTENTION.

5) FIRE FIGHTING MEASURES

FLASH POINT DEG. FAHRENHEIT	212°F
FLASH POINT METHOD	SETA FLASH
EXTINGUISHING MEDIA	ALL STANDARD FIREFIGHTING MEDIA
SPECIAL EXPOSURE HAZARDS	THE DRIED POLYMER IS CAPABLE OF BURNING
SPECIAL PROTECTIVE EQUIPMENT	FULL PROTECTIVE CLOTHING AND APPROVED SELF-CONTAINED BREATHING APPARATUS REQUIRED FOR FIRE FIGHTING PERSONNEL.
NFPA RATING	HEALTH: 1, FLAMMABILITY: 0, REACTIVITY: 0
HMIS CLASSIFICATION	HEALTH: 1, FLAMMABILITY: 0, REACTIVITY: 0
HMIS RATING	0=MINIMAL 1=SLIGHT 2=MODERATE 3=SERIOUS 4=SEVERE *=CHRONIC HEALTH HAZARD

6) ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONARY MEASURES	USE APPROPRIATE PROTECTIVE EQUIPMENT
ENVIRONMENTAL PRECAUTIONARY	NOT DETERMINED
SPILL PROCEDURES	SOAK UP RESIDUE WITH AN ABSORBENT SUCH AS CLAY OR SAND. PLACE IN A NON-LEAKING CONTAINER FOR PROPER DISPOSAL ACCORDING TO FEDERAL, STATE, AND LOCAL REGULATIONS. DO NOT DISCHARGE INTO WATERWAYS OR SEWAGE SYSTEMS.

7) HANDLING AND STORAGE

NORMAL HANDLING	SEE SECTION 8 FOR NORMAL HANDLING RECOMMENDATIONS.
STORAGE	KEEP FROM FREEZING
RECOMMENDATIONS	STORE BETWEEN 50 AND 80 DEG. FAHRENHEIT

8) EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS	NOT DETERMINED
RESPIRATORY PROTECTION	AS WITH MOST INDUSTRIAL CHEMICALS, USE IN WELL-VENTILATED AREA.
EYES	SAFETY GLASSES WITH SIDE SHIELDS
GLOVES	ALL CLEANABLE IMPERVIOUS GLOVE TYPES ARE ACCEPTABLE

FLEXCLEAR MATERIAL SAFETY DATA SHEET

PROTECTIVE CLOTHING	LONG SLEEVED CLOTHING
HYGIENIC WORK PRACTICE	USE WITH PROPER VENTILATION. FOLLOW GOOD INDUSTRIAL CHEMICAL HYGIENE PRACTICES.

9) PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	LIQUID
COLOR	TRANSLUCENT WHITE
ODOR	MINIMAL
pH	7.0–8.0
SPECIFIC GRAVITY	1.06
DENSITY	8.75
BOILING POINT	(*F): >212F
FLASH POINT (*F/C)	>212F
% SOLIDS BY WEIGHT	35%
% VOLATILE BY VOLUME	68.2
EVAPORATION RATE	SLOWER THAN WATER
SOLUBILITY IN WATER DESCRIPTION	DISPERSIBLE
MOLECULAR WEIGHT	NOT DETERMINED
VOC'S (LBS/GALLON)	<0.1 LBS./GAL

10) STABILITY AND REACTIVITY

CHEMICAL STABILITY	STABLE
HAZARDOUS POLYMERIZATION	WILL NOT OCCUR
CONDITIONS TO AVOID	NOT DETERMINED
MATERIALS TO AVOID	ACIDS AND CATIONIC MATERIALS WILL CAUSE THE DISPERSION TO SEPARATE
HAZARDOUS DECOMPOSITION	COMBUSTION OF THE DRIED POLYMER MAY RELEASE: CARBON DIOXIDE–CARBON MONOXIDE AND NITROUS OXIDE
ADDITIONAL GUIDELINES	NOT APPLICABLE

11) TOXICOLOGICAL INFORMATION

ACUTE EFFECTS	ACUTE HEALTH EFFECTS OF THIS PRODUCT HAVE NOT BEEN DETERMINED.
CHRONIC EFFECTS	CHRONIC HEALTH EFFECTS OF THIS PRODUCT HAVE NOT BEEN DETERMINED
AGGRAVATED CONDITIONS	NOT DETERMINED

FLEXCLEAR MATERIAL SAFETY DATA SHEET

CARCINOGENICITY	CARCINOGENIC EFFECTS OF THIS PRODUCT HAVE NOT BEEN DETERMINED.
REPRODUCTIVE/DEVELOPMENTAL	REPRODUCTIVE/DEVELOPMENTAL HEALTH EFFECTS OF THIS PRODUCT HAVE NOT BEEN DETERMINED.
MUTAGENICITY	MUTAGENICITY OF THIS PRODUCT HAS NOT BEEN DETERMINED.
OTHER	NOT DETERMINED

12) ECOLOGICAL INFORMATION

MOBILITY	NOT DETERMINED
PERSISTENCE	NOT DETERMINED
ECO TOXICOLOGICAL INFO	NOT DETERMINED

13) DISPOSAL CONSIDERATIONS

OTHER DISPOSAL CONSIDERATIONS	N/A
CONTAMINATED PACKAGING	IF EMPTY CONTAINER RETAINS PRODUCT RESIDUES, ALL LABEL PRECAUTIONS MUST BE OBSERVED. TRANSPORT WITH ALL CLOSURES IN PLACE. RETURN FOR REUSE OR DISPOSE ACCORDING TO NATIONAL OR LOCAL REGULATIONS.

14) TRANSPORT INFORMATION

DOT SHIPPING NAME	NON-REGULATED
DOT (NON-BULK) SHIPPING DATA	NON-REGULATED
PROPER SHIPPING NAME	SEE BILL OF LADING
ICAO/LATA SHIPPING DATA	SEE BILL OF LADING

15) REGULATORY INFORMATION

U.S. REGULATIONS

TSCA INVENTORY STATUS	ALL COMPONENTS ARE INCLUDED IN THE EPA TOXIC SUBSTANCE CONTROL ACT (TSCA) CHEMICAL SUBSTANCE INVENTORY.
PROPOSITION 66 STATUS	NO COMPONENTS PRESENT IN THIS PRODUCT ARE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND / OR REPRODUCTIVITY TOXICITY AND SUBJECT TO WARNING AND DISCHARGE REQUIREMENTS UNDER THE "SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1985."

FLEXCLEAR MATERIAL SAFETY DATA SHEET

**INGREDIENT
NAME** POLYURETHANE POLYMER

**FL HAZARDOUS
SUBSTANCE LIST** N/A

**RI HAZARDOUS
SUBSTANCE LIST** N/A

**MN RIGHT TO
KNOW LIST** N/A

**NJ RIGHT TO
KNOW LIST** TSRN 060250533-5034

**MA RIGHT TO
KNOW LIST** NOT AVAILABLE

**PA RIGHT TO
KNOW LIST** NOT AVAILABLE

CANADIAN REGULATIONS

CANADIAN INVENTORY THIS PRODUCT CONTAINS ONE OR MORE CHEMICALS NOT LISTED ON THE CANADIAN DSL

**WHMIS HAZARD
CLASSIFICATION** NON-CONTROLLED

Preventex Technology BELIEVES THAT THE INFORMATION PROVIDED IS ACCURATE AND RELIABLE AS OF THE DATE OF THIS MATERIAL SAFETY DATE SHEET AND THE INFORMATION IS GIVEN IN GOOD FAITH. NO WARRANTY EXPRESSED OR IMPLIED IS MADE AS TO THE ACCURACY, RELIABILITY, OR COMPLETENESS OF THE INFORMATION. ANY USE OF THIS DATA AND INFORMATION MUST BE DETERMINED BY THE USER TO BE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. Preventex Technology URGES PERSONS RECEIVING THIS INFORMATION TO MAKE THEIR OWN DETERMINATION AS TO THE INFORMATION'S SUITABILITY AND APPLICABILITY FOR AN INTENDED USE.