

PRODUCT NUMBER: FS4100

1988 AUG PRODUCT NAME: FIRST STEP SEALER  
LAST REVISION DATE: 12/01/87

MANUFACTURER:  
PIONEER/ECLIPSE CORP.  
SPARTA, N.C. 28675  
919-372-8080

EMERGENCY INFORMATION  
MEDICAL: 1-800-334-2246

SECTION I: GENERAL INFORMATION

PRODUCT NAME: FIRST STEP SEALER  
PRODUCT CLASS: AQUEOUS ACRYLIC EMULSION  
HAZARD CLASSIFICATION: NONREGULATED  
PRECAUTIONS: POSSIBLE SKIN AND EYE IRRITANT. KEEP CONTAINER SEALED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN.

SECTION II: HAZARDOUS INGREDIENTS

INGREDIENT (CAS #)	%	OSHA PEL (PPM)	ACGIH TLV (PPM)	OTHER
AMMONIA 7664-41-7	.1-5	50	25	35 (STEL)
2-(2-METHOXYETHOXY) ETHANOL 111-77-3	.5-1	NE	NE	

NE = NOT ESTABLISHED.  
NL = NOT LISTED.  
NA = NOT APPLICABLE.  
(C) = IDENTIFIED AS A CARCINOGEN BY OSHA, IARC, OR NTP.

SECTION III: PHYSICAL/CHEMICAL DATA

BOILING POINT: 100C/212F  
% VOLATILE BY WEIGHT: 81.2 +/- 0.5  
APPEARANCE AND ODOR: MILKY WHITE EMULSION; MILD ACRYLIC ODOR  
SOLUBILITY IN WATER: DILUTABLE  
pH conc: 8.78 +/- 0.25  
EVAPORATION RATE: LESS THAN 1, WATER  
VAPOR DENSITY: LESS THAN 1, WATER  
VAPOR PRESSURE (MM HG): NE  
WEIGHT PER GALLON: 8.52 LBS

SECTION IV: FIRE AND EXPLOSION DATA

FLASH POINT (TEST METHOD): NON-COMBUSTIBLE  
EXPLOSIVE LIMITS: UPPER: NA  
LOWER: NA  
EXTINGUISHING MEDIA: NONE  
SPECIAL FIRE FIGHTING PROCEDURES: MATERIAL CAN SPLATTER ABOVE 100C/212F. POLYMER FILM CAN BURN.  
UNUSUAL FIRE AND EXPLOSION HAZARDS:

SECTION V: REACTIVITY DATA

STABILITY: STABLE  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR  
INCOMPATIBILITY (MATERIALS TO AVOID): STRONG ACIDS AND BASES  
HAZARDOUS DECOMPOSITION PRODUCTS: NA

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SECTION VI: HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE/EMERGENCY AND FIRST AID PROCEDURES:

YES: SLIGHTLY IRRITATING TO EYES. FOR EYE CONTACT FLUSH WITH A LARGE AMOUNT OF WATER FOR AT LEAST 15 MINUTES. SEE A PHYSICIAN IF IRRITATION PERSISTS.
NO: IRRITATING TO SKIN UPON REPEATED OR PROLONGED CONTACT. FOR SKIN CONTACT WASH AFFECTED AREAS WITH SOAP AND WATER.
INHALATION: VAPOR OR MIST CAN CAUSE HEADACHE, NAUSEA, AND IRRITATION OF THE EYES, NOSE, THROAT, AND LUNGS. FOR OVEREXPOSURE, MOVE SUBJECT TO FRESH AIR.
INGESTION: IRRITATION TO MOUTH, ESOPHAGUS, AND STOMACH. IF INGESTED, INDUCE VOMITING. SEEK MEDICAL ATTENTION.
CHRONIC EFFECTS AND MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: NONE REPORTED.
CARCINOGEN: NON-CARCINOGENIC.
THRESHOLD LIMIT VALUE: SEE SECTION II.

SECTION VII: SPILL, LEAK, AND DISPOSAL PROCEDURES

SMALL SPILLS: ABSORB SPILL ON INERT MATERIAL (E.G. SAND, EARTH) AND DISPOSE OF AS WASTE MATERIAL.
LARGE SPILLS: KEEP SPECTATORS AWAY. FLOORS MAY BE SLIPPERY; USE CARE TO AVOID FALLING. DIKE AND CONTAIN SPILL WITH INERT MATERIAL (E.G. SAND, EARTH). TRANSFER LIQUID TO CONTAINERS FOR RECOVERY OR DISPOSAL AND SOLID DIKING MATERIAL TO SEPARATE CONTAINERS FOR DISPOSAL. KEEP SPILLS AND CLEANING RUNOFF OUT OF SEWERS AND OPEN BODIES OF WATER.
WASTE DISPOSAL: COAGULATE THE EMULSION BY THE STEPWISE ADDITION OF FERRIC CHLORIDE AND LIME. REMOVE THE CLEAR SUPERNATANT LIQUID AND FLUSH TO A CHEMICAL SEWER. LANDFILL OR INCINERATE THE SOLIDS AND THE CONTAMINATED DIKING MATERIAL ACCORDING TO LOCAL, STATE, AND FEDERAL REGULATIONS.

SECTION VIII: PROTECTIVE MEASURES

EYE PROTECTION: CHEMICAL SPLASH GOGGLES (ANSI Z87.1 OR APPROVED EQUIVALENT)
PROTECTIVE GLOVES: IMPERVIOUS
RESPIRATORY PROTECTION: NONE REQUIRED WHEN PERMISSIBLE AIRBORNE CONCENTRATIONS ARE NOT EXCEEDED.
VENTILATION: MECHANICAL LOCAL EXHAUST VENTILATION AT POINT OF CONTAMINANT RELEASE.
OTHER PROTECTIVE EQUIPMENT: NONE REQUIRED.

SECTION IX: SPECIAL PRECAUTIONS

HANDLING AND STORAGE: STORAGE TEMPERATURE (MAX 60C/140F) (MIN 1C/34F)
OTHER PRECAUTIONS: KEEP FROM FREEZING. PRODUCT MAY COAGULATE.

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PREPARED BY: J.E. HARLESS
TITLE: DIRECTOR, CHEMICAL DIVISION
DATE: 12/01/87

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