SECTION 1

PRODUCT IDENTIFIER FLD500−940 FLOOD ADVANCED SEMI−TRANSPARENT STAIN − DEEP TINT BASE
DATE OF PREPARATION JANUARY 17, 2012
PRODUCT USE PROTECTIVE COATING
MANUFACTURED BY: AKZO NOBEL PAINTS LLC, 15885 WEST SPRAGUE ROAD, STRONGSVILLE, OHIO 44136, U.S.A
AKZO NOBEL CANADA INC., 8200 KEELE STREET, CONCORD, ONTARIO L4K 2A5, CANADA.
EMERGENCY AND MSDS TELEPHONE NUMBER:
1−800−545−2643
MSDS PREPARED BY: PRODUCT SAFETY AND COMPLIANCE DEPARTMENT
AKZO NOBEL PAINTS LLC

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

	INGREDIENT	WT.%:
CHEMICAL NAME	ACRYLIC RESIN	5−10
COMMON NAME :	ACRYLIC RESIN	
CAS NUMBER:	CONFIDENTIAL	
CHEMICAL NAME	PROPRIETARY BLEND OF HEAT POLYMERIZED LINSEED OIL	1−5
COMMON NAME :	LINSEED OIL BLEND	
CAS NUMBER:	CONFIDENTIAL	
CHEMICAL NAME	LONG OIL ALKYD RESIN	5−10
COMMON NAME :	LONG OIL ALKYD RESIN	
CAS NUMBER:	CONFIDENTIAL	
CHEMICAL NAME	1,2−ETHANEDIOL	1−5
COMMON NAME :	ETHYLENE GLYCOL	
CAS NUMBER:	107−21−1	
CHEMICAL NAME	BENZENE, DIMETHYL−	.1−1.0
COMMON NAME :	XYLENE	
CAS NUMBER:	1330−20−7	
CHEMICAL NAME	2−PROPENOIC ACID, BUTYL ESTER, POLYMER WITH ETHENYL ACETATE	1−5
COMMON NAME :	VINYL ACRYLIC LATEX	
CAS NUMBER:	25067−01−0	
CHEMICAL NAME	NEPHELINE SYENITE	10−20
COMMON NAME :	FELDSPAR−TYPE MINERALS	
CAS NUMBER:	37244−96−5	
CHEMICAL NAME	SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC	1−5
COMMON NAME :	MEDIUM ALIPHATIC SOLVENT NAPHTHA	
CAS NUMBER:	64742−88−7	
CHEMICAL NAME	LINSEED OIL, POLYMERIZED	1−5
COMMON NAME :	LINSEED OIL	
CAS NUMBER:	67746−08−1	
CHEMICAL NAME	WATER	50−60
COMMON NAME :	WATER	
CAS NUMBER:	7732−18−5	
CHEMICAL NAME	STODDARD SOLVENT	1−5
COMMON NAME :	MINERAL SPIRITS	
CAS NUMBER:	8052−41−3	

SECTION 3: HAZARDS IDENTIFICATION

PRIMARY ROUTE(S) OF EXPOSURE
INHALATION, SKIN CONTACT, EYE CONTACT, INGESTION.
EFFECTS OF OVEREXPOSURE
INHALATION PROLONGED INHALATION MAY LEAD TO LOSS OF APPETITE, MUCOUS MEMBRANE IRRITATION, DROWSINESS, DIZZINESS AND/OR LIGHTHEADEDNESS, HEADACHE, UNCOORDINATION, NAUSEA, VOMITING, CENTRAL NERVOUS SYSTEM DEPRESSION, INTOXICATION, DIFFICULTY OF BREATHING, SEVERE LUNG IRRITATION OR DAMAGE, LIVER DAMAGE, KIDNEY DAMAGE, CONVULSIONS, LOSS OF CONSCIOUSNESS, ASPHYXIATION.

SKIN CONTACT IRRITATION OF SKIN. PROLONGED OR REPEATED CONTACT CAN CAUSE DERMATITIS, DEFATTING. POSSIBLE SENSITIZATION TO SKIN. SKIN CONTACT MAY RESULT IN DERMAL ABSORPTION OF COMPONENT(S) OF THIS PRODUCT WHICH MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION.

EYE CONTACT IRRITATION OF EYES. PROLONGED OR REPEATED CONTACT CAN CAUSE CONJUNCTIVITIS, TEARING OF EYES, REDNESS OF EYES.

INGESTION INGESTION MAY CAUSE LUNG INFLAMMATION AND DAMAGE DUE TO ASPIRATION OF MATERIAL INTO LUNGS, MOUTH AND THROAT IRRITATION, MUCOUS MEMBRANE IRRITATION, DIZZINESS AND/OR LIGHTHEADEDNESS, HEADACHE, UNCOORDINATION, NAUSEA, VOMITING, DIARRHEA, GASTRO-INTESTINAL DISTURBANCES, SEVERE ABDOMINAL PAIN, APATHY, CENTRAL NERVOUS SYSTEM DEPRESSION, RESPIRATORY PROBLEMS, INTOXICATION, DIFFICULTY OF BREATHING, KIDNEY DAMAGE, PULMONARY EDEMA, CONVULSIONS, LOSS OF CONSCIOUSNESS, ACUTE POISONING, RESPIRATORY FAILURE, CARDIAC FAILURE, BRAIN DAMAGE.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
EYE, SKIN, RESPIRATORY DISORDERS, ASTHMA-LIKE CONDITIONS, KIDNEY DISORDERS.

SECTION 4: FIRST-AID MEASURES

INHALATION REMOVE TO FRESH AIR. RESTORE AND SUPPORT CONTINUED BREATHING.
GET EMERGENCY MEDICAL ATTENTION.
HAVE TRAINED PERSON GIVE OXYGEN IF NECESSARY. GET MEDICAL HELP FOR ANY BREATHING DIFFICULTY.

SKIN CONTACT WASH THOROUGHLY WITH SOAP AND WATER. IF ANY PRODUCT REMAINS, GENTLY RUB PETROLEUM JELLY, VEGETABLE OR MINERAL/BABY OIL ONTO SKIN. REPEATED APPLICATIONS MAY BE NEEDED. REMOVE CONTAMINATED CLOTHING.
WASH CONTAMINATED CLOTHING BEFORE RE-USE.
DISPOSE OF CONTAMINATED LEATHER ITEMS, SUCH AS SHOES AND BELTS.

EYE CONTACT FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER, ESPECIALLY UNDER LIDS FOR AT LEAST 15 MINUTES. IF IRRITATION OR OTHER EFFECTS PERSIST, OBTAIN MEDICAL TREATMENT.

INGESTION IF SWALLOWED, OBTAIN MEDICAL TREATMENT IMMEDIATELY.

SECTION 5: FIRE-FIGHTING MEASURES

FLASH POINT (SETA) NONE LOWER EXPLOSIVE LIMIT NOT AVAILABLE
UPPER EXPLOSIVE LIMIT 15.3 (%)

FIRE EXTINGUISHING MEDIA
DRY CHEMICAL OR FOAM
WATER FOG.
CARBON DIOXIDE.

UNUSUAL FIRE AND EXPLOSION HAZARDS
CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT OR FIRE.
VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL LONG DISTANCES TO A SOURCE OF IGNITION AND FLASH BACK.
VAPORS CAN FORM EXPLOSIVE MIXTURES IN AIR AT ELEVATED TEMPERATURES.
CLOSED CONTAINERS MAY BURST IF EXPOSED TO EXTREME HEAT OR FIRE.
RAGS, STEEL WOOL OR WASTE SOAKED WITH THIS MATERIAL MAY SPONTANEOUSLY CATCH FIRE IF IMPROPERLY DISCARDED.
IMMEDIATELY AFTER USE, PLACE SOAKED RAGS, STEEL WOOL OR WASTE IN A SEALED WATER-FILLED METAL CONTAINER.

FIRE FIGHTING PROCEDURES
WATER MAY BE USED TO COOL AND PROTECT EXPOSED CONTAINERS.
FIREFIGHTERS SHOULD USE FULL PROTECTIVE CLOTHING, EYE PROTECTION, AND SELF-CONTAINED BREATHING APPARATUS.

HAZARDOUS DECOMPOSITION OR COMBUSTION PRODUCTS
CARBON MONOXIDE, CARBON DIOXIDE, ACROLEIN, ALDEHYDES, TOXIC GASES, ACRYLIC MONOMERS.

SECTION 6 ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
COMPLY WITH ALL APPLICABLE HEALTH AND ENVIRONMENTAL REGULATIONS.
ELIMINATE ALL SOURCES OF IGNITION. VENTILATE AREA. SPILLS MAY BE COLLECTED WITH ABSORBENT MATERIALS. EVACUATE ALL UNNECESSARY PERSONNEL. PLACE COLLECTED MATERIAL IN PROPER CONTAINER. SPILLED MATERIAL IS EXTREMELY SLIPPERY. COMPLETE PERSONAL PROTECTIVE EQUIPMENT MUST BE USED DURING CLEANUP.
LARGE SPILLS − SHUT OFF LEAK IF SAFE TO DO SO. DIKE AND CONTAIN SPILL. PUMP TO STORAGE OR SALVAGE VESSELS. USE ABSORBENT TO PICK UP EXCESS RESIDUE. KEEP SALVAGEABLE MATERIAL AND RINSE WATER OUT OF SEWERS AND WATER COURSES.
SMALL SPILLS − USE ABSORBENT TO PICK UP RESIDUE AND DISPOSE OF PROPERLY.

SECTION 7 HANDLING AND STORAGE

HANDLING AND STORAGE
STORE BELOW 100F (38C). KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. KEEP FROM FREEZING.

OTHER PRECAUTIONS
USE ONLY WITH ADEQUATE VENTILATION. DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN. AVOID CONTACT WITH SKIN AND EYES, AND BREATHING OF VAPORS. WASH HANDS THOROUGHLY AFTER HANDLING, ESPECIALLY BEFORE EATING OR SMOKING.
KEEP CONTAINERS TIGHTLY CLOSED AND UPRIGHT WHEN NOT IN USE.
AVOID CONDITIONS WHICH RESULT IN FORMATION OF INHALABLE PARTICLES SUCH AS SPRAYING OR ABRADING (SANDING) PAINTED SURFACES. IF SUCH CONDITIONS CANNOT BE AVOIDED, USE APPROPRIATE RESPIRATORY PROTECTION AS DIRECTED UNDER EXPOSURE CONTROLS/PERSONAL PROTECTION.
EMPTY CONTAINERS MAY CONTAIN HAZARDOUS RESIDUES.
GROUND EQUIPMENT WHEN TRANSFERRING TO PREVENT ACCUMULATION OF STATIC CHARGE.
AVOID SPONTANEOUS COMBUSTION OF CONTAMINATED RAGS AND OTHER EASILY IGNITABLE ORGANIC ACCUMULATIONS.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

COMMON NAME : LINSEED OIL BLEND
CAS NUMBER: CONFIDENTIAL
OSHA(TWA): 5 MG/M3
COMMON NAME : ETHYLENE GLYCOL
CAS NUMBER: 107−21−1
ACGIH(STEL): C 100 MG/M3
COMMON NAME : XYLENE
CAS NUMBER: 1330−20−7
ACGIH(TWA): 100 PPM OSHA(TWA): 100 PPM
ACGIH(STEL): 150 PPM
COMMON NAME : MEDIUM ALIPHATIC SOLVENT NAPHTHA
CAS NUMBER: 64742−88−7
ACGIH(TWA): 100 PPM OSHA(TWA): 500 X PPM
COMMON NAME : LINSEED OIL
CAS NUMBER: 67746−08−1
OSHA(TWA): 5 MG/M3
COMMON NAME : MINERAL SPIRITS
CAS NUMBER: 8052−41−3
ACGIH(TWA): 100 PPM OSHA(TWA): 500 PPM
X AS PETROLEUM DISTILLATES

RESPIRATORY PROTECTION
CONTROL ENVIRONMENTAL CONCENTRATIONS BELOW APPLICABLE

EXPOSURE STANDARDS WHEN USING THIS MATERIAL. WHEN RESPIRATORY PROTECTION IS DETERMINED TO BE NECESSARY, USE A NIOSH/MSHA (CANADIAN Z94.4) APPROVED ELASTOMERIC SEALING-SURFACE FACEPIECE RESPIRATOR OUTFITTED WITH ORGANIC VAPOR CARTRIDGES AND PAINT SPRAY (DUST/MIST) PREFILTERS. DETERMINE THE PROPER LEVEL OF PROTECTION BY CONDUCTING APPROPRIATE AIR MONITORING. CONSULT 29CFR1910.134 FOR SELECTION OF RESPIRATORS (CANADIAN Z94.4).

VENTILATION PROVIDE DILUTION VENTILATION OR LOCAL EXHAUST TO PREVENT BUILD-UP OF VAPORS.
USE EXPLOSION-PROOF EQUIPMENT.

PERSONAL PROTECTIVE EQUIPMENT
EYE WASH, SAFETY SHOWER, SAFETY GLASSES OR GOGGLES.
IMPERVIOUS GLOVES, IMPERVIOUS CLOTHING.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

VAPOR PRESSURE:	NOT AVAILABLE	SPECIFIC GRAVITY:	1.090
BOILING RANGE (F/C):	212-417/100-214	WEIGHT PER GALLON:	9.08/ 10.90IMP
%VOLATILE BY VOLUME:	71.81		
PHYSICAL STATE:	LIQUID	APPEARANCE	CLEAR
SOLUBILITY IN WATER:	NOT AVAILABLE	PH:	NOT AVAILABLE

SECTION 10: STABILITY AND REACTIVITY

UNDER NORMAL CONDITIONS
STABLE
STABLE BELOW 212 F (100 C).
SEE SECTION 5 FIRE FIGHTING MEASURES

MATERIALS TO AVOID
OXIDIZERS, ACIDS, BASES.
ACETALDEHYDE

CONDITIONS TO AVOID
ELEVATED TEMPERATURES, DRIERS, CONTACT WITH OXIDIZING AGENT, FREEZING, SPARKS, OPEN FLAME, IGNITION SOURCES.

HAZARDOUS POLYMERIZATION
WILL NOT OCCUR

SECTION 11: TOXICOLOGICAL INFORMATION

COMMON NAME : LINSEED OIL BLEND
CAS NUMBER: CONFIDENTIAL
CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO

COMMON NAME : ETHYLENE GLYCOL
CAS NUMBER: 107-21-1
CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO
LD50: 4700.00 MG/KG ORL RAT
LD50: 5500.00 MG/KG ORL MOU

COMMON NAME : XYLENE
CAS NUMBER: 1330-20-7
CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO
LD50:>1700.00 MG/KG SKN RBT
LD50: 4300.00 MG/KG ORL RAT
LC50: 5000.00 PPM/4HR IHL RAT

COMMON NAME : VINYL ACRYLIC LATEX
CAS NUMBER: 25067-01-0
CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO

COMMON NAME : FELDSPAR-TYPE MINERALS
CAS NUMBER: 37244-96-5
CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO

COMMON NAME : MEDIUM ALIPHATIC SOLVENT NAPHTHA
CAS NUMBER: 64742-88-7
CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO
LD50: 28.00 GM/KG SKN RBT
LD50: 28.00 GM/KG ORL RAT

COMMON NAME : LINSEED OIL

CAS NUMBER: 67746-08-1
CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO
COMMON NAME : MINERAL SPIRITS
CAS NUMBER: 8052-41-3
CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO
LD50:> 3.00 GM/KG SKN RBT
LD50:> 5.00 GM/KG ORL RAT

SUPPLEMENTAL HEALTH INFORMATION

NOTICE - REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

CARCINOGENICITY: STODDARD SOLVENT IIC HAS BEEN SHOWN TO CAUSE KIDNEY TUMORS IN MALE RATS IN A NATIONAL TOXICOLOGY PROGRAM (NTP) STUDY. THESE TUMORS WERE ASSOCIATED WITH A SPECIFIC PROTEIN, ALPHA-2U-MICROGLOBULIN. BECAUSE HUMANS DO NOT PRODUCE THIS PROTEIN STODDARD SOLVENT IIC HAS NOT BEEN CLASSIFIED AS A HUMAN CARCINOGEN.

CONTAINS METHYL ETHYL KETOXIME (MEKO). IN A LIFETIME, INHALATION STUDY, LIVER CARCINOMAS WERE OBSERVED IN RODENTS EXPOSED TO MEKO. THE RELEVANCE TO HUMANS IS UNKNOWN.

REPRODUCTIVE EFFECTS: HIGH EXPOSURES TO XYLENE IN SOME ANIMAL STUDIES, OFTEN AT MATERNALLY TOXIC LEVELS, HAVE AFFECTED EMBRYO/FETAL DEVELOPMENT. THE SIGNIFICANCE OF THIS FINDING TO HUMANS IS NOT KNOWN.

MUTAGENICITY: NO MUTAGENIC EFFECTS ARE ANTICIPATED

TERATOGENICITY: SOME LABORATORY TEST RESULTS HAVE SHOWN ETHYLENE GLYCOL TO BE AN ANIMAL TERATOGEN. HOWEVER, AN EXPERT PANEL CONVENED BY THE NATIONAL TOXICOLOGY PROGRAM'S CENTER FOR THE EVALUATION OF RISKS TO HUMAN REPRODUCTION (CERHR) CONDUCTED A REVIEW OF THE SCIENTIFIC LITERATURE AND CONCLUDED THAT ETHYLENE GLYCOL DOES NOT PRESENT A SIGNIFICANT CONCERN WITH RESPECT TO DEVELOPMENTAL AND REPRODUCTIVE TOXICITY IN HUMANS.

SECTION 12: ECOLOGICAL INFORMATION

NO ECOLOGICAL TESTING HAS BEEN DONE BY AKZO NOBEL PAINTS LLC ON THIS PRODUCT AS A WHOLE.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: DISPOSE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS. AVOID DISCHARGE TO NATURAL WATERS.

SECTION 14: TRANSPORT INFORMATION

DOT: PAINT**PROTECT FROM FREEZING**
IMDG: NOT AVAILABLE
IATA: NOT AVAILABLE
TDG: NOT AVAILABLE

SECTION 15: REGULATORY INFORMATION

		SARA 302	SARA 313	CERCLA 302.4	HAZ AIR POLLUTANT	MARINE POLTNT
CAS NUMBER:	107-21-1	NO	YES	YES	YES	NO
COMMON NAME :	ETHYLENE GLYCOL					
CAS NUMBER:	1330-20-7	NO	YES	YES	YES	NO
COMMON NAME :	XYLENE					

AS OF THE DATE OF THIS MSDS, ALL OF THE COMPONENTS IN THIS PRODUCT ARE LISTED (OR ARE OTHERWISE EXEMPT FROM LISTING) ON THE TSCA INVENTORY.

THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR (CONTROLLED PRODUCTS REGULATIONS) AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE

CPR.

SECTION 16: OTHER INFORMATION

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA AVAILABLE AT THE TIME OF PREPARATION OF THIS DATA SHEET AND WHICH AKZO NOBEL PAINTS LLC BELIEVES TO BE RELIABLE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA. AKZO NOBEL PAINTS LLC SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS INFORMATION, OR OF ANY PRODUCT, METHOD OR APPARATUS MENTIONED AND YOU MUST MAKE YOUR OWN DETERMINATION OF ITS SUITABILITY AND COMPLETENESS FOR YOUR OWN USE, FOR THE PROTECTION OF THE ENVIRONMENT, AND THE HEALTH AND SAFETY OF YOUR EMPLOYEES AND USERS OF THIS MATERIAL.
COMPLIES WITH OSHA HAZARD COMMUNICATION STANDARD 29CFR1910.1200.