

SECTION 1

PRODUCT IDENTIFIER FLD700-930 FLOOD ADVANCED SOLID STAIN - MID TONE
BASE

DATE OF PREPARATION JANUARY 17, 2012

PRODUCT USE PROTECTIVE COATING

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MSDS PREPARED BY: PRODUCT SAFETY AND COMPLIANCE DEPARTMENT
AKZO NOBEL PAINTS LLC

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

	WT. %:
CHEMICAL NAME	5-10
COMMON NAME :	
CAS NUMBER:	
CHEMICAL NAME	1-5
COMMON NAME :	
CAS NUMBER:	
CHEMICAL NAME	5-10
COMMON NAME :	
CAS NUMBER:	
CHEMICAL NAME	1-5
COMMON NAME :	
CAS NUMBER:	
CHEMICAL NAME	.1-1.0
COMMON NAME :	
CAS NUMBER:	
CHEMICAL NAME	5-10
COMMON NAME :	
CAS NUMBER:	
CHEMICAL NAME	1-5
COMMON NAME :	
CAS NUMBER:	
CHEMICAL NAME	10-20
COMMON NAME :	
CAS NUMBER:	
CHEMICAL NAME	5-10
COMMON NAME :	
CAS NUMBER:	
CHEMICAL NAME	1-5
COMMON NAME :	
CAS NUMBER:	
CHEMICAL NAME	40-50
COMMON NAME :	
CAS NUMBER:	
CHEMICAL NAME	1-5
COMMON NAME :	
CAS NUMBER:	

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,
COUGHING, 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. REMOVE TO FRESH AIR IF INHALATION CAUSES EYE WATERING, HEADACHES, DIZZINESS, OR OTHER DISCOMFORT.
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 : TITANIUM DIOXIDE
CAS NUMBER: 13463-67-7

ACGIH(TWA) : 10 MG/M3 OSHA(TWA) : 10 MG/M3

COMMON NAME : MEDIUM ALIPHATIC SOLVENT NAPHTHA
CAS NUMBER: 64742-88-7

ACGIH(TWA) : 100 PPM OSHA(TWA) : 500 X PPM

COMMON NAME : LINSEED OIL

FLD700-930EN

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: 1.162
BOILING RANGE (F/C): 212-417/100-214 WEIGHT PER GALLON: 9.67/ 11.61IMP
%VOLATILE BY VOLUME: 63.40
PHYSICAL STATE: LIQUID APPEARANCE WHITE
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: TITANIUM DIOXIDE
CAS NUMBER: 13463-67-7
CARCINOGENICITY LISTED BY: NTP YES 2B IARC YES 2B OSHA NO ACGIH NO
LD50: 24.00 GM/KG ORL RAT

LC50: 6820.00 MG/M3/4HR 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.
 THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS CLASSIFIED TITANIUM DIOXIDE AS POSSIBLY CARCINOGENIC TO HUMANS (GROUP 2B) BASED ON INADEQUATE EVIDENCE OF CARCINOGENICITY IN HUMANS AND SUFFICIENT EVIDENCE OF CARCINOGENICITY IN EXPERIMENTAL ANIMALS.
 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	SARA	CERCLA	HAZ AIR	MARINE
		302	313	302.4	POLLUTANT	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.