SECTION 1

PRODUCT IDENTIFIER AHE90212TNO LN-902, LIQUID NAILS LATEX ADHESIVE FO SUBFLOORS AND HEAVY DUTY CONSTRUCTION
DATE OF PREPARATION FEBRUARY 29, 2000
PRODUCT USE ADHESIVE/CAULK

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MSDS PREPARED BY: PRODUCT SAFETY AND TOXICOLOGY DEPARTMENT
ICI PAINTS NORTH AMERICA

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

	INGREDIENT	WT.%:
CHEMICAL NAME COMMON NAME : CAS NUMBER:	POLYVINYL ACETATE COPOLYMER POLYVINYL ACETATE EMULSION CONFIDENTIAL	20-30
CHEMICAL NAME COMMON NAME : CAS NUMBER:	VINYL ACETATE MONOMER VINYL ACETATE MONOMER 108-05-4	.1-1.0
CHEMICAL NAME COMMON NAME : CAS NUMBER:	LIMESTONE LIMESTONE 1317-65-3	20-30
CHEMICAL NAME COMMON NAME : CAS NUMBER:	KAOLIN CLAY 1332-58-7	1-5
CHEMICAL NAME COMMON NAME : CAS NUMBER:	QUARTZ QUARTZ 14808-60-7	.1-1.0
CHEMICAL NAME COMMON NAME : CAS NUMBER:	FORMALDEHYDE FORMALDEHYDE 50-00-0	.01-.1
CHEMICAL NAME COMMON NAME : CAS NUMBER:	1,2-PROPANEDIOL PROPYLENE GLYCOL 57-55-6	1-5
CHEMICAL NAME COMMON NAME : CAS NUMBER:	ETHANOL ETHYL ALCOHOL 64-17-5	1-5
CHEMICAL NAME COMMON NAME : CAS NUMBER:	WATER WATER 7732-18-5	30-40

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, FATIGUE, DROWSINESS, DIZZINESS AND/OR LIGHTHEADEDNESS, HEADACHE, NAUSEA, COUGHING, CENTRAL NERVOUS SYSTEM DEPRESSION, CONFUSION, ANESTHETIC EFFECT OR NARCOSIS, TREMORS.

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 HEADACHE, NAUSEA, CENTRAL NERVOUS SYSTEM DEPRESSION.

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

INGESTION INGESTION MAY CAUSE MOUTH AND THROAT IRRITATION, DROWSINESS, HEADACHE, NAUSEA, VOMITING, DIARRHEA, GASTRO-INTESTINAL DISTURBANCES, ABDOMINAL PAIN, VISUAL DISTURBANCES, CENTRAL NERVOUS SYSTEM DEPRESSION, INTOXICATION, LIVER DAMAGE, KIDNEY DAMAGE, PULMONARY EDEMA, CONVULSIONS.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
EYE, SKIN, RESPIRATORY DISORDERS
LUNG 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 FLUSH FROM SKIN WITH WATER. THEN WASH THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING.
WASH CONTAMINATED CLOTHING BEFORE RE-USE.

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) ABOVE 200F/93C **LOWER EXPLOSIVE LIMIT** NOT AVAILABLE
UPPER EXPLOSIVE LIMIT 17.4 (%)

SECTION 5: FIRE-FIGHTING MEASURES

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.

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, TOXIC GASES.
PROPIONALDEHYDE

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. EVACUATE ALL UNNECESSARY PERSONNEL. PLACE COLLECTED MATERIAL IN PROPER CONTAINER.
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.
GROUND EQUIPMENT WHEN TRANSFERRING TO PREVENT ACCUMULATION OF STATIC CHARGE.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

COMMON NAME : VINYL ACETATE MONOMER
CAS NUMBER: 108-05-4
ACGIH(TWA): 10 PPM
ACGIH(STEL): 15 PPM

COMMON NAME : LIMESTONE
CAS NUMBER: 1317-65-3
ACGIH(TWA): 10 MG/M3 OSHA(TWA): 5 MG/M3

COMMON NAME : CLAY
CAS NUMBER: 1332-58-7
ACGIH(TWA): 2 MG/M3 OSHA(TWA): 5 MG/M3

COMMON NAME : QUARTZ
CAS NUMBER: 14808-60-7
ACGIH(TWA): 0.1 MG/M3 OSHA(TWA): 0.1 MG/M3

COMMON NAME : FORMALDEHYDE
CAS NUMBER: 50-00-0
OSHA(TWA): 0.75 PPM
ACGIH(STEL): C 0.3 PPM OSHA(STEL): 2 PPM

COMMON NAME : ETHYL ALCOHOL
CAS NUMBER: 64-17-5
ACGIH(TWA): 1000 PPM OSHA(TWA): 1000 PPM

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.

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

VAPOR PRESSURE:	NOT AVAILABLE	SPECIFIC GRAVITY:	1.321
BOILING RANGE:	163-212F/73-100C	WEIGHT PER GALLON:	11.00/ 13.21I 1P
%VOLATILE BY VOLUME:	79.81		
PHYSICAL STATE:	PASTE	APPEARANCE	TAN
SOLUBILITY IN WATER:	Y	PH:	8.15

SECTION 10: STABILITY AND REACTIVITY

UNDER NORMAL CONDITIONS
STABLE
SEE SECTION 5 FIRE FIGHTING MEASURES

MATERIALS TO AVOID
OXIDIZERS, ACIDS, ISOCYANATES, ALKALI METAL, METALS, NITRIC ACID, HYDROFLUORIC ACID, PHOSPHORUS, POTASSIUM TERT-BUTOXIDE, SODIUM, POTASSIUM.

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

HAZARDOUS POLYMERIZATION
WILL NOT OCCUR

SECTION 11: TOXICOLOGICAL INFORMATION

COMMON NAME : POLYVINYL ACETATE EMULSION
CAS NUMBER: CONFIDENTIAL
CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO

COMMON NAME : VINYL ACETATE MONOMER
CAS NUMBER: 108-05-4
CARCINOGENICITY LISTED BY: NTP NO IARC YES 2B OSHA NO ACGIH NO
LD50: 2335.00 MG/KG SKN RBT
LD50: 2920.00 MG/KG ORL RAT
LC50: 4000.00 PPM IHL PIG

COMMON NAME : LIMESTONE
CAS NUMBER: 1317-65-3
CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO
LD50: 6450.00 MG/KG ORL RAT

COMMON NAME : CLAY
CAS NUMBER: 1332-58-7
CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO

COMMON NAME : QUARTZ
CAS NUMBER: 14808-60-7
CARCINOGENICITY LISTED BY: NTP YES IARC YES 1 OSHA NO ACGIH NO

COMMON NAME : FORMALDEHYDE
CAS NUMBER: 50-00-0
CARCINOGENICITY LISTED BY: NTP YES B IARC YES 2A OSHA YES ACGIH YES A2
LD50: 100.00 MG/KG ORL RAT
LC50: 203.00 MG/M3 IHL PIG

COMMON NAME : PROPYLENE GLYCOL
CAS NUMBER: 57-55-6
CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO
LD50: 20.00 GM/KG ORL RAT
LD50: 20.80 GM/KG SKN RBT

COMMON NAME : ETHYL ALCOHOL
CAS NUMBER: 64-17-5
CARCINOGENICITY LISTED BY: NTP NO IARC NO OSHA NO ACGIH NO
LD50: 7060.00 MG/KG ORL RAT
LC50: 39.00 GM/M3/4HR IHL MOU

SECTION 11: TOXICOLOGICAL INFORMATION

SUPPLEMENTAL HEALTH INFORMATION
CONTAINS A CHEMICAL THAT MAY BE ABSORBED THROUGH SKIN.
OTHER EFFECTS OF OVEREXPOSURE MAY INCLUDE TOXICITY TO LIVER, KIDNEY, CENTRAL NERVOUS SYSTEM, HEART, REPRODUCTIVE SYSTEM.

CARCINOGENICITY
CONTAINS FORMALDEHYDE, A POTENTIAL CANCER HAZARD. RATS EXPOSED TO FORMALDEHYDE VIA INHALATION DEVELOPED CANCER OF THE NASAL CAVITY. EVIDENCE IN HUMANS IS LIMITED (NASAL AND NASOPHARYNGEAL CANCER). FORMALDEHYDE IS LISTED AS A CARCINOGEN BY OSHA, PROBABLE HUMAN CARCINOGEN (GROUP 2A) BY IARC, AND ANTICIPATED HUMAN CARCINOGEN BY NTP. OVEREXPOSURE CAN CAUSE EYE, SKIN, AND RESPIRATORY TRACT IRRITATION, AND SKIN AND RESPIRATORY SENSITIZATION.
CONTAINS CRYSTALLINE SILICA WHICH IS CONSIDERED A HAZARD BY INHALATION. IARC HAS CLASSIFIED CRYSTALLINE SILICA AS CARCINOGENIC TO HUMANS (GROUP 1). CRYSTALLINE SILICA IS ALSO A KNOWN CAUSE OF SILICOSIS, A NONCANCEROUS LUNG DISEASE. NTP HAS CLASSIFIED CRYSTALLINE SILICA A REASONABLY ANTICIPATED CARCINOGEN.
TREATMENT RELATED NASAL TUMORS WERE OBSERVED IN RATS AND MICE EXPOSED TO VINYL ACETATE VIA INHALATION AT 500 PPM FOR 2 YEARS.

REPRODUCTIVE EFFECTS
NO REPRODUCTIVE EFFECTS ARE ANTICIPATED

MUTAGENICITY
NO MUTAGENIC EFFECTS ARE ANTICIPATED

TERATOGENICITY
NO TERATOGENIC EFFECTS ARE ANTICIPATED

SECTION 12: ECOLOGICAL INFORMATION

NO ECOLOGICAL TESTING HAS BEEN DONE BY ICI PAINTS 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 ADHESIVE

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:	108-05-4	YES	YES	YES	YES	NO
COMMON NAME :	VINYL ACETATE MONOMER					
CAS NUMBER:	50-00-0	YES	YES	YES	YES	NO
COMMON NAME :	FORMALDEHYDE					

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 ICI PAINTS BELIEVES TO BE RELIABLE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA. ICI PAINTS 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.