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ANDERSEN - BEIGE DURANAR

MATERIAL SAFETY DATA SHEET
FOR COATINGS AND RELATED MATERIALS

May Be Used To Comply With OSHA'S HAZARDOUS COMMUNICATION STANDARD 29CFR 1910-1200

**** SECTION I ****

Manufacturers Name:	CUSTOM-PAK PRODUCTS, INC. 1115 W19150 EDISON DRIVE GERMANTOWN, WI 53022	Manufacturers Code I.D.:	203-026E
Emergency Telephone:	(414) 251-6180	Product Class:	SOVENT' BASED PAINT - BOTTLE
Information Telephone:	(414) 251-6180	Product Name:	
Date of Preparation:	02/08/89		BEIGE DURANAR ADS

HMIS INFORMATION: HEALTH- 2 FLAMMABILITY- 3 REACTIVITY- 1 PERS. PROTECTIVE EQMT.-

**** SECTION II - HAZARDOUS INGREDIENTS ****

Ingredient	CAS#	Percent	LEL	Vapor Pressure mm Hg. @ 20C	OSHA PEL-PPM	ACGIH TLV-PPM
** TITANIUM DIOXIDE	13463-67-7	10.6	N/A	N/A	4.6	3.0
CYCLOHEXANONE	108-94-1	27.6	N/A	2.5	50.0	25.0
** METHYL EHTYL KETONE	78-93-3	14.8	2.0	70.0	200.0	200.0
** TOLUENE	108-88-3	14.8	1.2	22.0	200.0	100.0
PM ACETATE	108-65-6	15.0	1.5	3.7	N/A	N/A

*Chemical listed as Carcinogen or Potential Carcinogen:

NTP []yes [x]no IARC []yes [x]no OSHA []yes [x]no ACGIH []yes [x]no

**** SECTION III - PHYSICAL DATA ****

Boiling Range: 175°F TO 340°F	Vapor Density:
% Volatile by Volume: 87.0	[X] Heavier [] Lighter Than Air.
Weight per Gallon: 9.2	Evaporation Rate:
Water Solubility: Negligible	[] Faster [X] Slower Than Ether.
Odor: Solvent Odor	Appearance: Opaque Liquid

**** SECTION IV - FIRE AND EXPLOSION HAZARD DATA ****

DOT Shipping Class:	Flash Point	LEL
ORM-D	45°F	SEE SECTION II
CONSUMER COMMODITY		

EXTINGUISHING MEDIA: Use (NFPA) Class B extinguisher, CO2, Foam.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Pressure build up due to heat exposure may cause container to explode. Use water to cool containers.

SPECIAL FIRE FIGHTING PROCEDURES: Fight fire from safe distance. Wear full protective equipment, including self-contained breathing gear.

MATERIAL SAFETY DATA SHEET CONT'D

**** SECTION V - HEALTH HAZARD DATA ****

EFFECTS OF OVEREXPOSURE: (ACUTE) Anesthetic. Irritation of the respiratory tract or acute nervous system depression characterized by headache, dizziness, staggering gait, confusion, unconsciousness, or coma. Eye contact may cause irritation, tearing, redness, and blurred vision. Skin contact may dry skin, causing cracks and irritation. Ingestion may be harmful if swallowed.

(CHRONIC) Reports have associated repeated and prolonged occupational over-exposure to solvents with liver, kidney, nervous system and permanent brain damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Asthma and other respiratory ailments, chemical sensitization.

PRIMARY ROUTE(S) OF ENTRY: X DERMAL X INHALATION X INGESTION X EYES

EMERGENCY AND FIRST AID PROCEDURES: VAPORS - Remove from exposure. Restore breathing. Keep warm and quiet. Notify a physician. EYES - Flush immediately with large amounts of running water for at least 15 minutes. Take to a physician for medical treatment. SKIN - Wash affected areas with soap and water. Remove contaminated clothing. Consult a physician. INGESTION - If swallowed, CALL A PHYSICIAN IMMEDIATELY.

**** SECTION VI - REACTIVITY DATA ****

STABILITY: Unstable [] Stable [X]

HAZARDOUS POLYMERIZATION: May Occur [] Will not Occur [X]

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide, Carbon Monoxide

CONDITIONS TO AVOID: High Temperatures and Open Flames.

INCOMPATIBILITY (MATERIALS TO AVOID): Unknown.

**** SECTION VII - SPILL OR LEAK PROCEDURE ****

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Eliminate all ignition sources. Flush spill away with water spray. Small spills may be collected with absorbent material. See SEC. VIII for protective equipment.

WASTE DISPOSAL METHOD: Dispose in accordance with Federal, State and Local regulations.

**** SECTION VIII - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES ****

RESPIRATORY PROTECTION: In open areas with adequate ventilation, no respiratory equipment is required. When using large quantities in areas of restricted ventilation, the use of an approved chemical/mechanical filter designed to remove vapors is recommended.

VENTILATION: Supply sufficient ventilation to keep air contaminant concentration below current OSHA permissible exposure limit (PEL) or ACGIH's TLV limit.

PROTECTIVE GLOVES: Use protective gloves if contact with product is likely.

OTHER PROTECTIVE EQUIPMENT: Safety glasses to prevent eye contact.

HYGIENIC PRACTICES: Wash hands before eating or using the washroom.

**** SECTION IX - SPECIAL PRECAUTIONS ****

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not store above 100°F or near fire or open flame. When storing large quantities, storage conditions should comply with OSHA 1910.106.

OTHER PRECAUTIONS: Prevent prolonged or repeated breathing of vapor or spray mist. Do not take internally. Keep out of reach of children.

MATERIAL SAFETY DATA SHEET
COATINGS AND RESINS GROUP

SECTION I - PRODUCT INFORMATION

MANUFACTURER'S NAME: PPG INDUSTRIES, INC.
PRODUCT CODE/IDENTITY: W54088 (0202890)
CUSTOMER PART #/NAME:
PRODUCT TRADE NAME: DURANAR A/D BEIGE TOUCH UP
CHEMICAL FAMILY: FLUOROPOLYMER

SHIPPING INFORMATION

US-DOT: SHIPPING NAME: PAINT, FLAMMABLE LIQUID
HAZARD CLASS:
UN NUMBER: UN1263

ICAO: NAME: UNAVAILABLE
HAZARD LABEL: UNAVAILABLE

INTERNATIONAL: SHIPPING NAME: UNAVAILABLE
HAZARD CLASS: UNAVAILABLE

SARA 311/312 CATEGORIES FOR THIS PRODUCT
ACUTE=Y CHRONIC=Y FLAM=Y PRESS=N REAC=N

ALL CHEMICAL SUBSTANCES IN THIS PRODUCT COMPLY WITH ALL APPLICABLE
RULES OR ORDERS UNDER THE ENVIRONMENTAL PROTECTION AGENCY'S TOXIC
SUBSTANCES CONTROL ACT.

PRODUCT SAFETY INFO: 260 KAPPA DRIVE
PITTSBURGH, PA 15238
(412) 963-5822

EMERGENCY MEDICAL INFO: (304) 843-1300
EMERGENCY SPILL INFO: (304) 843-1300
DATE OF MSDS PREPARATION: 2/06/89

THIS MATERIAL SAFETY DATA SHEET HAS BEEN PREPARED IN ACCORDANCE
WITH THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200),
CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM, THE
SUPPLIER NOTIFICATION REQUIREMENTS OF SARA TITLE III, SECTION 313,
AND OTHER APPLICABLE RIGHT-TO-KNOW REGULATIONS. ABBREVIATIONS
AND OTHER DESIGNATIONS USED ON THIS MATERIAL SAFETY DATA SHEET
INCLUDE THE FOLLOWING:

U/I = UNKNOWN INFORMATION; N/A = NOT APPLICABLE;
NOT ESTAB. = NOT ESTABLISHED; CERT. LTR. = CHEMICAL
O.K. ON TSCA INVENTORY; CAS NO. NOT AVAILABLE

0628770082 (CUSTOMER NO.) LOCATION : 0819 89W54088/////206

SECTION II - INGREDIENTS

INGREDIENTS	WEIGHT	TLV-TWA	ACGIH	OCCUPATIONAL EXPOSURE LIMITS				SARA TITLE III & CERCLA RATING																
				TLV-STEL	PEL-TWA	PEL-STEL	IPEL-TWA	IPEL-STEL	HS	EHS	TC+	RQ	TPQ	SARA 311/312										
TITANIUM DIOXIDE # ... (134-63-67-7)	10-15	NOT ESTAB	NOT ESTAB	15 mg/m ³	NOT ESTAB	15 mg/m ³	NOT ESTAB	15 mg/m ³	NOT ESTAB	N	N	N/A	N/A	N	N	N/A	N	N	N	N	N	N		
CYCLOHEXANONE ... (108-94-1)	30-35	25	ppm-S	NOT ESTAB	50 ppm	NOT ESTAB	25 ppm-S	NOT ESTAB	Y	N	N	5000	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	Y	N
METHYL ETHYL KETONE ... (78-93-3)	15-20	200	ppm	300 ppm	200 ppm	NOT ESTAB	200 ppm	300 ppm	300 ppm	Y	N	Y	5000	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	N
TOLUENE ... (108-88-3)	15-20	100	ppm	150 ppm	200 ppm	300 ppm	100 ppm	150 ppm	150 ppm	Y	N	Y	1000	N/A	N/A	Y	Y	Y	Y	Y	Y	Y	Y	N
FILM FORMERS, RESINS, AND ADDITIVES ... (NOT ESTAB)	20-25	NOT ESTAB	IDENTIFIED	NOT ESTAB	NOT ESTAB	NOT ESTAB	NOT ESTAB	NOT ESTAB	NOT ESTAB	N	N	N/A	N/A	N	N	N	N	N	N	N	N	N	N	N

CARCINOGENIC ACCORDING TO CRITERIA ESTABLISHED BY: *NTP **IARC #=OSIA #=OTHER
 ORAL= LD50 ORAL (RAT), (g/kg) DERH= LD50 DERHAL (RABBIT), (g/kg) INHL= LC50 INHALATION (RAT), (mg/L)
 + INGREDIENTS IN THE TC COLUMN ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III. SEE 40 CFR PART 372.

ANDERSEN - BEIGE TOUCH UP

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

(FORMULA VALUES, NOT SALES SPECIFICATIONS)

BOILING RANGE: 78 - 155 DEG. C SOLUBILITY IN WATER: 34.4%
VAPOR PRESSURE: 29.5mmHg WT/GAL (LBS): 9.24 (U.S.)
VAPOR DENSITY: HEAVIER THAN AIR pH: U/I
% VOL/VOLUME: 79.70 % SOLID BY WEIGHT: 36.27
EVAP RATE(BUOAc=100): 266 SPECIFIC GRAVITY: 1.11
ODOR/APPEARANCE: VISCOUS LIQUID WITH AN ODOR CHARACTERISTIC OF THE
SOLVENTS LISTED IN SECTION II.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

US-DOT CATEGORY: FLAMMABLE

FLASHPOINT: 26 DEG. F PHCC

FLAMMABLE LIMITS: LEL 1.5 UEL U/I

EXTINGUISHING MEDIA:

USE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CLASS B EXTINGUISHERS (CARBON DIOXIDE, DRY CHEMICAL, OR UNIVERSAL AQUEOUS FILM FORMING FOAM) DESIGNED TO EXTINGUISH NFPA CLASS IB FLAMMABLE LIQUID FIRES.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS, AND OPEN FLAMES. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. DO NOT APPLY ON HOT SURFACES. TOXIC GASES MAY FORM WHEN PRODUCT IS CONTACTED BY FLAME OR HOT SURFACES.

SPECIAL FIRE FIGHTING PROCEDURES:

WATER SPRAY MAY BE INEFFECTIVE. WATER SPRAY MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP AND POSSIBLE AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE. FIRE-FIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS.

SECTION V - REACTIVITY DATA

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: NOT EXPECTED TO OCCUR

INCOMPATIBILITY (MATERIALS AND CONDITIONS TO AVOID):

AVOID CONTACT WITH STRONG ALKALIES, STRONG MINERAL ACIDS, OR STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS:

MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS WHEN HEATED. WELDING, BRAZING, OR FLAME-CUTTING ON SURFACES COATED WITH THIS PRODUCT MAY PRODUCE FUMES INCLUDING:
Carbon Monoxide, Oxides of Nitrogen, Fluorine, Hydrogen fluoride

SECTION VI - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

PROVIDE MAXIMUM VENTILATION. ONLY PERSONNEL EQUIPPED WITH PROPER RESPIRATORY AND SKIN AND EYE PROTECTION SHOULD BE PERMITTED IN THE AREA. REMOVE ALL SOURCES OF IGNITION. TAKE UP SPILLED MATERIAL WITH SAWDUST, VERMICULITE, OR OTHER ABSORBENT MATERIAL AND PLACE INTO CONTAINERS FOR DISPOSAL.

WASTE DISPOSAL METHOD:

WASTE MATERIAL MUST BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE, PROVINCIAL, AND LOCAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTY CONTAINERS SHOULD BE RECYCLED OR DISPOSED OF THROUGH AN APPROVED WASTE MANAGEMENT FACILITY.

SECTION VII - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE FROM:

INGESTION:

-HARMFUL OR FATAL IF SWALLOWED.

EYE CONTACT:

-CAUSES SEVERE EYE IRRITATION.

SKIN CONTACT:

-MAY CAUSE MODERATE SKIN IRRITATION.

INHALATION:

-VAPOR AND SPRAY MIST MAY BE HARMFUL IF INHALED.

-VAPOR IRRITATES EYES, NOSE, AND THROAT.

-REPEATED EXPOSURE TO HIGH VAPOR CONCENTRATIONS MAY CAUSE IRRITATION OF THE RESPIRATORY SYSTEM AND PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

-INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS CAN BE HARMFUL OR FATAL.

CHRONIC OVEREXPOSURE:

AVOID LONG TERM AND REPEATED CONTACT.

-THIS PRODUCT CONTAINS TITANIUM DIOXIDE. ANIMALS INHALING MASSIVE QUANTITIES OF TITANIUM DIOXIDE DUST IN A LONG-TERM STUDY DEVELOPED LUNG TUMORS. STUDIES WITH HUMANS INVOLVED IN MANUFACTURE OF THIS PIGMENT INDICATE NO INCREASED RISK OF CANCER FROM EXPOSURE. POTENTIAL FOR INHALATION OF TITANIUM DIOXIDE DUSTS FROM COATINGS IS VERY LIMITED. SINCE OVEREXPOSURES ARE NOT EXPECTED, THERE IS NO SIGNIFICANT HAZARD FOR MAN.

CONTINUED ON PAGE 4

CONTINUATION OF MANUFACTURER'S CODE: W54088

DATE OF PREP: 2/06/89

-THIS PRODUCT CONTAINS CYCLOHEXANONE. LONG-TERM INHALATION STUDIES WITH LABORATORY ANIMALS ASSOCIATE CYCLOHEXANONE WITH KIDNEY AND LIVER INJURY, EFFECTS ON WHITE BLOOD CELLS, DECREASED LUNG VENTILATION AND OXYGEN CONSUMPTION.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

-EYE WATERING, HEADACHES, NAUSEA, DIZZINESS, AND LOSS OF COORDINATION ARE INDICATIONS THAT SOLVENT LEVELS ARE TOO HIGH.
-REDNESS, ITCHING, BURNING SENSATION AND VISUAL DISTURBANCES MAY INDICATE EXCESSIVE EYE CONTACT.
-DRYNESS, ITCHING, CRACKING, BURNING, REDNESS, AND SWELLING ARE CONDITIONS ASSOCIATED WITH EXCESSIVE SKIN CONTACT.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NOT APPLICABLE

SECTION VIII - FIRST AID PROCEDURES

INGESTION:

IF SWALLOWED, DO NOT INDUCE VOMITING.

EYE CONTACT:

IN CASE OF EYE CONTACT, FLUSH EYES IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.

SKIN CONTACT:

IN CASE OF SKIN CONTACT, REMOVE PROMPTLY BY WIPING, FOLLOWED BY WATERLESS HAND CLEANER AND SOAP AND WATER.

INHALATION:

IF AFFECTED BY INHALATION OF VAPOR OR SPRAY MIST, REMOVE TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION AND OTHER SUPPORTIVE MEASURES AS REQUIRED.

OTHER:

IF ANY OF THE FOLLOWING OCCUR DURING OR FOLLOWING USE OF THIS PRODUCT, CONTACT A POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN IMMEDIATELY; HAVE MATERIAL SAFETY DATA SHEET INFORMATION AVAILABLE. *INGESTION *EXCESSIVE EXPOSURE TO A CORROSIVE MATERIAL.
* PERSISTENT SKIN/EYE IRRITATION OR BREATHING DIFFICULTIES.

SECTION IX - PROTECTION INFORMATION

PERSONAL PROTECTIVE EQUIPMENT FOR:

EYE PROTECTION:

WEAR CHEMICAL-TYPE SPLASH GOGGLES OR FULL FACE SHIELD.

SKIN PROTECTION:

WEAR PROTECTIVE CLOTHING, INCLUDING IMPERMEABLE APRON AND GLOVES CONSTRUCTED OF: POLYVINYL ALCOHOL, LATEX RUBBER OR NITRILE RUBBER

RESPIRATORY PROTECTION:

OVEREXPOSURE TO VAPORS MAY BE PREVENTED BY ENSURING VENTILATION CONTROLS, VAPOR EXHAUST OR FRESH AIR ENTRY. NIOSH/MSHA-APPROVED (TC-23C-) PAINT SPRAY OR AIR SUPPLIED (TC-19C-) RESPIRATORS MAY ALSO REDUCE EXPOSURE. READ RESPIRATOR MANUFACTURER'S INSTRUCTIONS AND LITERATURE CAREFULLY TO DETERMINE THE TYPE OF AIRBORNE CONTAMINANTS AGAINST WHICH THE RESPIRATOR IS EFFECTIVE AND HOW IT IS TO BE PROPERLY FITTED.

OTHER EQUIPMENT:

CLEAN OR DISCARD CONTAMINATED CLOTHING AND SHOES.

VENTILATION REQUIREMENTS:

PROVIDE GENERAL DILUTION OR LOCAL EXHAUST VENTILATION IN VOLUME AND PATTERN TO KEEP THE CONCENTRATION OF INGREDIENTS LISTED IN SECTION II BELOW THE LOWEST SUGGESTED EXPOSURE LIMITS, THE LEL IN SECTION IV BELOW THE STATED LIMIT, AND TO REMOVE DECOMPOSITION PRODUCTS DURING WELDING OR FLAME CUTTING ON SURFACES COATED WITH THIS PRODUCT.

SECTION X - SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS:

DO NOT STORE ABOVE 120 DEGREES F. STORE LARGE QUANTITIES IN BUILDINGS DESIGNED AND PROTECTED FOR STORAGE OF NFPA CLASS IB FLAMMABLE LIQUIDS.

OTHER PRECAUTIONS:

IF THIS MATERIAL IS PART OF A MULTIPLE COMPONENT COATING SYSTEM, READ THE MATERIAL SAFETY DATA SHEET(S) FOR THE OTHER COMPONENT OR COMPONENTS BEFORE BLENDING AS THE RESULTING MIXTURE MAY HAVE THE HAZARDS OF ALL OF ITS PARTS.
CONTAINERS SHOULD BE GROUND WHEN POURING. AVOID FREE FALL OF LIQUIDS IN EXCESS OF A FEW INCHES.

RECEIVED JUL 22 1991

MATERIAL SAFETY DATA SHEET - COMPLIES WITH 29 CFR 1910-1200 PREPARED FOR: C1007 ANDERSEN CORPORATION

FORMAT A/GP

***** SECTION I ***** PREP DATE/08/27/90 REVISED-03-01-89

MANUFACTURERS NAME: CUSTOM-PAK PRODUCTS, INC.
 1115 W19150 EDISON DRIVE
 GERMANTOWN, WI 53022

MANUFACTURERS CODE I.D.: 21K001N-6

PRODUCT CLASS: AEROSOL PAINT

HEALTH.....2
 FLAMMABILITY...4
 REACTIVITY.....1
 PROTECTIVE EQ..

EMERGENCY TELEPHONE: (414) 251-6180

PRODUCT DESC: MW4820190
 WHITE ACRYLIC

INFORMATION TELEPHONE: (414) 251-6180

VOC: 5.74

***** SECTION II - HAZARDOUS INGREDIENTS *****

INGREDIENT	CAS #	PERCENT % BY WEIGHT	VAPOR PRESSURE		OSHA PEL-PPM	ACGIH TLV-PPM	SARA 313 LISTED	LISTED CARCINOGEN		
			LEL	mm Hg. @20C				NTP	IARC	OSHA
TITANIUM DIOXIDE	13463-67-7	6.13	N/A	N/A	4.5	3.0	N	X	N	N
BUTYL BENZYL PHTHALATE	85-58-7	2.28	N/A	N/A	N/A	N/A	Y	N	N	N
PM ACETATE	108-65-6	4.03	1.3	3.7	N/A	N/A	N	N	N	N
METHYL ETHYL KETONE	78-93-3	2.28	2.0	70.0	200	200	Y	N	N	N
XYLENE	1330-20-7	4.03	1.0	5.1	100	100	Y	N	N	N
TOLUENE	108-88-3	8.33	1.2	22.0	200	100	Y	N	N	N
ACETONE	67-64-1	45.00	2.6	181.7	1000	750	Y	N	N	N
EEP	763-69-9	1.90	1.0	1.1	N/A	N/A	N	N	N	N
PROPANE	74-96-6	11.16	2.2	109.3	1000	1000	N	N	N	N
ISOBUTANE	75-28-5	6.84	1.8	31.1	N/A	800	N	N	N	N

***** SECTION III - PHYSICAL DATA *****

BOILING RANGE: -43F to 140F % VOLATILE BY VOLUME: 80-90 VAPOR DENSITY: Heavier than Air APPEARANCE: Opaque Spray

WEIGHT PER GALLON: 9.252 WATER SOLUABILITY: Negligible ODOR: Solvent Odor EVAPORATION RATE: Faster than Ether

***** SECTION IV - FIRE AND EXPLOSION HAZARD DATA *****

DOT SHIPPING CLASS: ORM-0 AIR CONSUMER COMMODITY LEL: See Section II FLAMMABILITY CLASS: EXTREMELY FLAMMABLE

EXTINGUISHING MEDIA: Use (NFPA) CLASS 3 extinguisher, CO2 or foam. FLASH POINT: 12F

UNUSUAL FIRE AND EXPLOSION HAZARDS: Pressure build up due to heat exposure may cause containers to explode.
 Water may be used to cool ruptured containers.

SPECIAL FIRE FIGHTING PROCEDURES: Fight fire from safe distance. Wear full protective equipment,
 including self-contained breathing gear.

***** SECTION V - HEALTH HAZARD DATA *****

EFFECTS OF OVEREXPOSURE: (ACUTE) Anesthetic effect. Irritation of the respiratory tract or acute nervous system depression characterized by headache, dizziness, staggering gait, confusion, unconsciousness or coma. EYE.....Contact may cause redness, irritation, tearing and blurred vision. SKIN.....Contact may dry skin causing cracks and irritation. INGESTION..... May be harmful or fatal if swallowed.

(CHRONIC) Reports have associated repeated and prolonged occupational overexposure to solvents with liver, kidney, brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Asthma and other respiratory ailments. Chemical sensitization.

PRIMARY ROUTE(S) OF ENTRY: (X) DERMAL (X) INHALATION () INGESTION () EYES

EMERGENCY AND FIRST AID PROCEDURES: VAPORS.....Remove from exposure. Administer oxygen if necessary. Call a physician. EYES.....Immediately flush eyes with water for at least 15 minutes. Get medical attention. SKIN.....Remove contaminated clothing and shoes. Wash contact area with soap and water. Wash clothing and shoes before reuse. INGESTION.....Drink 1 or 2 glasses of water to dilute. Do not induce vomiting. Consult a physician or Poison Control Center immediately.

***** SECTION VI - REACTIVE DATA *****

STABILITY: STABLE (X) UNSTABLE (). HAZARDOUS POLYMERIZATION; MAY OCCUR () WILL NOT OCCUR (X)
CONDITIONS TO AVOID: High temperatures and open flames. INCOMPATIBLE MATERIALS TO AVOID: Unknown
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide.....Carbon Monoxide.

***** SECTION VII - SPILL OR LEAK PROCEDURE *****

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Eliminate all ignition sources. Provide ventilation. Collect spills with absorbent materials and non-sparking tools. See Section VIII for protective equipment.
WASTE DISPOSAL METHOD: Dispose of in accordance with Federal, State and local regulations. Do not incinerate containers.

***** SECTION VIII - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES *****

RESPIRATORY PROTECTION: In open areas with unrestricted ventilation, an OSHA approved respirator to remove solid airborne particles of overspray may be used if prolonged and repeated exposure is likely. In areas with restricted ventilation, the use of OSHA approved chemical/mechanical filter designed to remove both particles and vapors is recommended.
VENTILATION: Supply sufficient ventilation to keep air contaminant concentration below current OSHA (PEL) or ACGIH (TLV).
PROTECTIVE GLOVES: Use protective gloves if contact with product is likely.
OTHER PROTECTIVE EQUIPMENT: Safety glasses to prevent eye contact.
HYGIENIC PRACTICES: Wash hands before eating or using washroom.

***** SECTION IX - SPECIAL PRECAUTIONS *****

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not store in areas above 100F or near fire or open flame. When storing large quantities, storage conditions should comply with OSHA 1910.106.
OTHER PRECAUTIONS: Prevent prolonged or repeated breathing of vapor or spray mist. Do not take internally. Keep out of reach of children. Use with adequate ventilation.

ANDERSEN - TERRATONE ACRYLIC

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MATERIAL SAFETY DATA SHEET - COMPLIES WITH 29 CFR 1910-1200 PREPARED FOR: C1007 ANDERSEN CORPORATION

ANDERSEN CORPORATION

RECEIVED JUL 22 1991

FORMAT A/GP ***** SECTION I ***** PREP DATE/01/14/91 REVISED-08-04-89

MANUFACTURERS NAME: CUSTOM-PAK PRODUCTS, INC. 1115 W19150 EDISON DRIVE GERRANTOWN, WI 53022	MANUFACTURERS CODE I.D.: 22X001X-6 PRODUCT CLASS: AEROSOL PAINT	HNIS INFORMATION: HEALTH.....2 FLAMMABILITY...4 REACTIVITY.....1 PROTECTIVE EQ.. VOC: 5.97
EMERGENCY TELEPHONE: (414) 251-6180	PRODUCT DESC: AM4820192 TERRATONE ACRYLIC	
INFORMATION TELEPHONE: (414) 251-6180		

***** SECTION II - HAZARDOUS INGREDIENTS *****

INGREDIENT	CAS #	PERCENT & BY WEIGHT	LEL	VAPOR PRESSURE mm Hg. @20C	OSHA PEL-PPM	ACGIH TLV-PPM	SARA 313 LISTED	LISTED NTP	CARCINOGEN IARC	OSHA
TITANIUM DIOXIDE		1.20						X	X	X
CYCLOHEXANONE	108-94-1	8.08	1.1	2.5	50	25	X	X	X	X
METHYL ETHYL KETONE	78-93-3	3.60	2.0	70.0	200	200	Y	X	X	X
TOLUENE	108-88-3	3.60	1.2	22.0	200	100	Y	X	X	X
ACETONE	67-64-1	57.30	2.6	181.7	1000	750	Y	X	X	X
PM ACETATE	108-65-6	2.00	1.3	3.7	N/A	N/A	X	X	X	X
PROPANE	74-96-6	9.92	2.2	109.3	1000	1000	X	X	X	X
ISOBUTANE	75-28-5	6.08	1.8	31.1	N/A	800	X	X	X	X

***** SECTION III - PHYSICAL DATA *****

BOILING RANGE: -43F to 340F % VOLATILE BY VOLUME: 80-90 VAPOR DENSITY: Heavier than Air APPEARANCE: Opaque Spray

WEIGHT PER GALLON: 9.227 WATER SOLVABILITY: Negligible ODOR: Solvent Odor EVAPORATION RATE: Faster than Ether

***** SECTION IV - FIRE AND EXPLOSION HAZARD DATA *****

DOT SHIPPING CLASS: ORM-D AIR CONSUMER COMMODITY LEL: See Section II FLAMMABILITY CLASS: EXTREMELY FLAMMABLE

EXTINGUISHING MEDIA: Use (MPPA) CLASS B extinguisher, CO2 or foam. FLASH POINT: 12F

UNUSUAL FIRE AND EXPLOSION HAZARDS: Pressure build up due to heat exposure may cause containers to explode.
 Water may be used to cool ruptured containers.

SPECIAL FIRE FIGHTING PROCEDURES: Fight fire from safe distance. Wear full protective equipment,
 including self-contained breathing gear.

***** SECTION V - HEALTH HAZARD DATA *****

EFFECTS OF OVEREXPOSURE: (ACUTE) Anesthetic effect. Irritation of the respiratory tract or acute nervous system depression characterized by headache, dizziness, staggering gait, confusion, unconsciousness or coma. EYE.....Contact may cause redness, irritation, tearing and blurred vision. SKIN.....Contact may dry skin causing cracks and irritation. INGESTION..... May be harmful or fatal if swallowed.

(CHRONIC) Reports have associated repeated and prolonged occupational overexposure to solvents with liver, kidney, brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Asthma and other respiratory ailments. Chemical sensitization.

PRIMARY ROUTE(S) OF ENTRY: (X) DERMAL (X) INHALATION () INGESTION () EYES

EMERGENCY AND FIRST AID PROCEDURES: VAPORS.....Remove from exposure. Administer oxygen if necessary. Call a physician. EYES.....Immediately flush eyes with water for at least 15 minutes. Get medical attention. SKIN.....Remove contaminated clothing and shoes. Wash contact area with soap and water. Wash clothing and shoes before reuse. INGESTION.....Drink 1 or 2 glasses of water to dilute. Do not induce vomiting. Consult a physician or Poison Control Center immediately.

***** SECTION VI - REACTIVE DATA *****

STABILITY: STABLE (X) UNSTABLE (). HAZARDOUS POLYMERIZATION: MAY OCCUR () WILL NOT OCCUR (X)
CONDITIONS TO AVOID: High temperatures and open flames. INCOMPATIBLE MATERIALS TO AVOID: Unknown
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide.....Carbon Monoxide.

***** SECTION VII - SPILL OR LEAK PROCEDURE *****

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Eliminate all ignition sources. Provide ventilation. Collect spills with absorbent materials and non-sparking tools. See Section VIII for protective equipment.
WASTE DISPOSAL METHOD: Dispose of in accordance with Federal, State and Local regulations. Do not incinerate containers.

***** SECTION VIII - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES *****

RESPIRATORY PROTECTION: In open areas with unrestricted ventilation, an OSHA approved respirator to remove solid airborne particles of overspray may be used if prolonged and repeated exposure is likely. In areas with restricted ventilation, the use of OSHA approved chemical/mechanical filter designed to remove both particles and vapors is recommended.
VENTILATION: Supply sufficient ventilation to keep air contaminant concentration below current OSHA (PEL) or ACGIH (TLV).
PROTECTIVE GLOVES: Use protective gloves if contact with product is likely.
OTHER PROTECTIVE EQUIPMENT: Safety glasses to prevent eye contact.
HYGIENIC PRACTICES: Wash hands before eating or using washroom.

***** SECTION IX - SPECIAL PRECAUTIONS *****

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not store in areas above 100F or near fire or open flame. When storing large quantities, storage conditions should comply with OSHA 1910.106.
OTHER PRECAUTIONS: Prevent prolonged or repeated breathing of vapor or spray mist. Do not take internally. Keep out of reach of children. Use with adequate ventilation.

***** SECTION V - HEALTH HAZARD DATA *****

EFFECTS OF OVEREXPOSURE: (ACUTE) Anesthetic effect. Irritation of the respiratory tract or acute nervous system depression characterized by headache, dizziness, staggering gait, confusion, unconsciousness or coma. EYE.....Contact may cause redness, irritation, tearing and blurred vision. SKIN.....Contact may dry skin causing cracks and irritation. INGESTION..... May be harmful or fatal if swallowed.

(CHRONIC) Reports have associated repeated and prolonged occupational overexposure to solvents with liver, kidney, brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Asthma and other respiratory ailments. Chemical sensitization.

PRIMARY ROUTE(S) OF ENTRY: (X) DERMAL (X) INHALATION () INGESTION () ABSORPTION

EMERGENCY AND FIRST AID PROCEDURES: VAPORS.....Remove from exposure. Administer oxygen if necessary. Call a physician. EYES.....Immediately flush eyes with water for at least 15 minutes. Get medical attention. SKIN.....Remove contaminated clothing and shoes. Wash contact area with soap and water. Wash clothing and shoes before reuse. INGESTION.....Drink 1 or 2 glasses of water to dilute. Do not induce vomiting. Consult a physician or Poison Control Center immediately.

***** SECTION VI - REACTIVE DATA *****

STABILITY: STABLE (X) UNSTABLE (). HAZARDOUS POLYMERIZATION; MAY OCCUR () WILL NOT OCCUR (X)
CONDITIONS TO AVOID: High temperatures and open flames. **INCOMPATIBLE MATERIALS TO AVOID:** Unknown
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide,....Carbon Monoxide.

***** SECTION VII - SPILL OR LEAK PROCEDURE *****

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Eliminate all ignition sources. Provide ventilation. Collect spills with absorbent materials and non-sparking tools. See Section VIII for protective equipment.
WASTE DISPOSAL METHOD: Dispose of in accordance with Federal, State and Local regulations. Do not incinerate containers.

***** SECTION VIII - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES *****

RESPIRATORY PROTECTION: In open areas with unrestricted ventilation, an NIOSH/MSHA approved respirator to remove solid airborne particles of overspray may be used if prolonged and repeated exposure is likely. In areas with restricted ventilation the use of an approved chemical/mechanical filter designed to remove both particles and organic vapors is recommended.

VENTILATION: Supply sufficient ventilation to keep air contaminant concentration below current OSHA (PEL) or ACGIH (TLV).

PROTECTIVE GLOVES: Use protective gloves if contact with product is likely.

OTHER PROTECTIVE EQUIPMENT: Safety glasses to prevent eye contact.

HYGIENIC PRACTICES: Wash hands before eating or using washroom.

***** SECTION IX - SPECIAL PRECAUTIONS *****

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not store in areas above 100F or near fire or open flame. When storing large quantities, storage conditions should comply with OSHA 1910.106.

OTHER PRECAUTIONS: Prevent prolonged or repeated breathing of vapor or spray mist. Do not take internally. Keep out of reach of children. Use with adequate ventilation.

MATERIAL SAFETY DATA SHEET - COMPLIES WITH 29 CFR 1910-1200 PREPARED FOR: C1007 ANDERSEN CORPORATION

FORMAT A/AL

***** SECTION I ***** DATE PRINTED-06/12/91 REVISED-06/07/91

MANUFACTURERS NAME: CUSTOM-PAK PRODUCTS, INC.
 1115 W19150 EDISON DRIVE
 GERMANTOWN, WI 53022

MANUFACTURERS CODE I.D.: 18R012M-4

HMS INFORMATION:

PRODUCT CLASS: AEROSOL PAINT

HEALTH.....2

INFORMATION TELEPHONE: (414) 251-6180

PRODUCT DESC: 2955922

FLAMMABILITY...4

24 HR EMERGENCY TELEPHONE: 1-800-638-4005

246 GRAY

REACTIVITY.....1

FOR EMERGENCY SITUATIONS REFERENCE FORMAT A/AL

ACRYLIC

PROTECTIVE EQ..

***** SECTION II - HAZARDOUS INGREDIENTS *****

INGREDIENT	CAS #	PERCENT % BY WEIGHT	VAPOR PRESSURE		OSHA PEL-PPM	ACGIH TLV-PPM	SARA 313 LISTED	LISTED CARCINOGEN		
			LFL	MM Hg. @20C				NTP	IARC	OSHA
VOLUENE	108-98-3	10.08	1.2	22.0	200	100	Y	N	N	N
PM ACETATE	108-65-6	5.58	1.3	3.7	N/A	N/A	N	N	N	N
METHYL ETHYL KETONE	78-93-3	2.76	2.0	70.0	200	200	Y	N	N	N
XYLENE	1330-20-7	4.68	1.0	5.1	100	100	Y	N	N	N
BUTYL BENZYL PHTHALATE	85-68-7	1.80	N/A	N/A	N/A	N/A	Y	N	N	N
ACETONE	67-64-1	46.90	2.6	181.7	1000	750	Y	N	N	N
PROPANE	74-96-6	3.92	2.2	109.3	1000	1000	N	N	N	N
ISOBUTANE	75-28-5	6.08	1.8	31.1	N/A	800	N	N	N	N

***** SECTION III - PHYSICAL DATA *****

BOILING RANGE: -43F to 340F % VOLATILE BY VOLUME: 80-90 VAPOR DENSITY: Heavier than Air APPEARANCE: Opaque Spray
 WEIGHT PER GALLON: 6.697 WATER SOLUBILITY: Negligible ODOR: Solvent Odor EVAPORATION RATE: Faster than Ether

***** SECTION IV - FIRE AND EXPLOSION HAZARD DATA *****

DOT PROPER SHIPPING NAME: CONSUMER COMMODITY ID NO.: UN1950 HAZARD CLASS: ORM-D-AIR

EXTINGUISHING MEDIA: Use (NEPA) CLASS B extinguisher, CO2 or foam. FLASH POINT: 12F LFL: See Section II

UNUSUAL FIRE AND EXPLOSION HAZARDS: Pressure build up due to heat exposure may cause containers to explode.
 Water may be used to cool ruptured containers.

SPECIAL FIRE FIGHTING PROCEDURES: Fight fire from safe distance. Wear full protective equipment,
 including self-contained breathing gear.

LEVEL 3 AEROSOL (NEPA 308)

HAZARDOUS INGREDIENTS

Material Name/CAS #	In Level Product	OSHA PEL	ACGIH TLV (1988,1989)
Tetrahydrofuran (109-99-9)	> 10%	200 ppm	200 ppm
Flash point, F: 6			
LEL, %: 2.0			
Vapor pressure, in mm Hg @ 20 C: 145			
OSHA STEL: 250 ppm			
ACGIH STEL: 250 ppm			

This MSDS is prepared to comply with the OSHA Hazard Communication Standard (29 CFR 1910.1200). Unlisted ingredients are not 'Hazardous' per this OSHA Standard and are considered to be trade secrets of the H. B. Fuller Company. Identities of trade secret ingredients will be made available following the procedures specified in the standard.

OCCUPATIONAL CONTROL PROCEDURES

- Eye Protection:** Wear safety glasses to reduce the potential for eye contact; chemical safety goggles are appropriate if splashing is likely. Have eye washes available where eye contact can occur.
- Skin Protection:** Prevent contact by using rubber gloves and appropriate protective clothing. Launder contaminated clothing before reuse.
- Respiratory Protection:** Use NIOSH approved equipment - organic vapor respirators when airborne exposure limits are exceeded.
- Ventilation:** Local exhaust ventilation preferred. Provide ventilation to control contaminant levels below airborne exposure limits.

FIRE PROTECTION

- Flash Point/Method:** 0 degrees F TCC
- Appropriate Extinguishers:** Use water spray, foam, dry chemical or carbon dioxide.
- Special Fire Fighting Procedures:** Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.
- Unusual Fire and Explosion Hazards:** There is the possibility of pressure buildup in closed containers when heated. Water spray may be used to cool the containers.

REACTIVITY DATA

- Stability:** Stable
- Incompatibility:** Not established
- Hazardous Decomposition Products:** Incomplete combustion can yield low molecular weight hydrocarbons, carbon monoxide, hydrogen chloride, phosgene
- Hazardous Polymerization:** Will not occur

EFFECTS OF OVEREXPOSURE

- Eyes:** Contact with the product or high vapor levels will cause moderate irritation.

NA - not applicable
NE - not established

MATERIAL SAFETY DATA SHEET

H. B. Fuller Company
200 Wolters Boulevard
Edina Heights, Minnesota 55110

Date: 02 February 1990

Prepared by: Industrial Hygiene
Telephone Number: 612/481-3300

AW #4210160 - 55 GAL DRUM
#4210292 - TUBES

PRODUCT IDENTIFICATION

H. B. Fuller Company Name: SC-1844 TERZATONE VINYL TO VINYL

Product Class: Solvent based adhesive

DOT Proper Shipping Name: Adhesive

DOT Hazard Class/I.D. Number: Flammable Liquid, UN-1133

DOT Label: Flammable Liquid

WARNING STATEMENTS

Flammable
Eye irritant
Contact will dry and defat the skin
Vapors harmful
Harmful if swallowed

PRECAUTIONARY MEASURES

Keep away from heat, sparks and flame
Avoid breathing vapors
Use only with adequate ventilation
Avoid contact with eyes, skin and clothing
Wash thoroughly after handling
Keep container closed
Emptied container retains vapor and product residue
Observe all labeled safeguards until container is
cleaned
DO NOT CUT OR WELD ON OR NEAR THIS CONTAINER

HMIS RATING

Health-2 Flammability-3 Reactivity-0

EMERGENCY AND FIRST AID PROCEDURES

FIRST AID:

If in eye: Flush immediately with large amounts of water for at least 15 minutes. Call a physician.

If on skin: Wash affected area with soap and water. Launder contaminated clothing before reuse.

If vapors inhaled: Remove from exposure. Restore breathing if necessary. Keep warm and quiet. Call a physician.

In case of fire: Extinguish with water spray, foam, dry chemical or carbon dioxide.

Spill or Leak: Contain and remove with inert absorbent. Use non-sparking tools. Keep spill out of sewers.

NA - not applicable
NE - not established

ANDERSEN - TERRATONE
PATCHING CEMENT SC-1846

MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY INFORMATION

H.B. Fuller Company
1200 Walters Boulevard
Vadnais Heights, MN 55110
Phone: 612-481-3300
Fax: 612-481-3309

MSDS INFORMATION

Preparation Date: 02/08/94
Supersedes: 09/10/93
Prepared By: Industrial Hygiene
Phone Number: 612-481-3300

Medical Emergency Phone Number: 1-800-228-5635 ext 018
Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

PRODUCT INFORMATION

Product Name/Number: SC-1846 TT PATCHING CEMENT
Product Description (product use): Solvent based adhesive

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS). Unlisted ingredients are not 'hazardous' per the OSHA standard and/or are not found on the WHMIS ingredient disclosure list.

Chemical/CAS Number	Percent	OSHA PEL	ACGIH TLV
Dimethyl formamide (68-12-2) LD50: 2800 mg/kg (oral, rat) Vapor pressure, in mm Hg @ 20 C: 7 (Skin)	1-5% LC50: No data found	10 ppm	10 ppm
Tetrahydrofuran (109-99-9) LD50: 1650 mg/kg (oral, rat) Vapor pressure, in mm Hg @ 20 C: 145 OSHA, ACGIH STEL: 250 ppm	10-30% LC50: 18,187 ppm/4h (rat)	200 ppm	200 ppm

Skin absorption may potentially contribute to the overall exposure to this material. Appropriate measures should be taken to prevent absorption so that the TLV is not invalidated.

See Section 16 for additional information.

ANDERSEN - TERMATONE
PATCHING CEMENT SC-1846

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Flammable
Eye irritant
Contact will dry and defat the skin
Vapors harmful
Harmful if swallowed
Possible cancer hazard. Contains a material which may cause cancer.

POTENTIAL HEALTH EFFECTS

Eyes: Contact with the product or high vapor levels will cause irritation.

Skin: Liquid contact will dry and defat the skin. Prolonged or repeated contact may cause irritation and sensitization. Dimethyl formamide is readily absorbed through the skin.

Inhalation: Overexposure to vapors in poorly ventilated areas will cause irritation of the nose, throat and respiratory tract and may cause dizziness, headaches, nausea or unconsciousness.

Ingestion: Harmful if swallowed.

Chronic: Long-term overexposure to solvents may cause liver and kidney damage.

REGULATED CARCINOGEN STATUS:

N,N-dimethylformamide is listed as a potential carcinogen by IARC.

Existing Health Conditions Affected by Exposure: Overexposure to N,N-dimethylformamide may cause decreased liver function which may be significant in persons with pre-existing liver conditions.

SECTION 4: FIRST AID MEASURES

If in eye: Flush immediately with large amounts of water for at least 15 minutes. Call a physician.

If on skin: Wash affected area with soap and water. Launder contaminated clothing before reuse.

If vapors inhaled: Remove from exposure. Restore breathing if necessary. Keep warm and quiet. Call a physician.

If ingested: If person can swallow, give one glass of water or milk. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to an unconscious person.

ANDERSEN - TERRATONE
PATCHING CEMENT SC-1846

SECTION 5: FIRE FIGHTING MEASURES

Flash Point/Method: -6 degrees F TCC, -21 degrees C

Upper Explosive Limit/Lower Explosive Limit: Not established

Autoignition Temperature: Not established

Appropriate Extinguishers: Use water spray, foam, dry chemical or carbon dioxide.

Special Fire Fighting Procedures: Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.

Unusual Fire and Explosion Hazards: There is the possibility of pressure buildup in closed containers when heated. Water spray may be used to cool the containers.

Hazardous Combustion Product: Incomplete combustion can yield low molecular weight hydrocarbons, carbon monoxide, hydrogen chloride, nitrogen compounds

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures: Remove all sources of ignition. Ventilate area. Avoid breathing vapors. Dike and contain spill with inert absorbent and transfer to container for disposal. Use non-sparking tools. Keep spill out of sewers.

SECTION 7: HANDLING AND STORAGE

HANDLING INFORMATION

Keep away from heat, sparks and flame
Avoid breathing vapors
Use only with adequate ventilation
Avoid contact with eyes, skin and clothing
Wash thoroughly after handling
Keep container closed
Emptied container retains vapor and product residue
Observe all labeled precautions until container is cleaned
DO NOT CUT OR WELD ON OR NEAR THIS CONTAINER

STORAGE INFORMATION

Consult the Technical Data Sheet for specific storage instructions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Wear safety glasses to reduce the potential for eye contact; chemical safety goggles are appropriate if splashing is likely. Have eye washes available where eye contact can occur.

ANDERSEN - TERRATONE
PATCHING CEMENT SC-1846

Skin Protection: Prevent contact by using rubber gloves and appropriate protective clothing. Launder contaminated clothing before reuse.

Respiratory Protection: Use NIOSH/MSHA approved equipment - organic vapor respirators when airborne exposure limits are exceeded.

Ventilation: Local exhaust ventilation preferred. Provide ventilation to control contaminant levels below airborne exposure limits.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Characteristic color
Odor:	Pungent Solvent
Odor Threshold:	Not established
Weight per Gallon:	15.7 lbs.
Specific Gravity:	1.88
% Solids by Weight:	72
pH:	Not applicable
Boiling Range:	Greater than 147 F (64 C)
Freezing/Melting Point:	Not applicable
Vapor Pressure:	Not established
Vapor Density:	Not established
Evaporation Rate:	Not established
Water/Oil Partition Coefficient:	Not established

VOC: 527 g VOC/liter of material
(VOC theoretically determined using EPA
Publication 450/3-84-019)

VOC, less water: 527 g VOC/liter of material, less water and
exempt solvents
(VOC theoretically determined using EPA
Publication 450/3-84-019.)

SECTION 10: STABILITY AND REACTIVITY DATA

Stability: Stable

Incompatibility: Not established

Hazardous Decomposition:
Hydrogen chloride

Hazardous Polymerization: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

No data available

SECTION 12: ECOLOGICAL INFORMATION

No data available

ANDERSEN - TERKATONE
PATCHING CEMENT SC-1846

SECTION 13: DISPOSAL CONSIDERATIONS

This product meets the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261.. It is ignitable waste class D001. Disposal via incineration is recommended. Consult your state, local, or provincial authorities for more restrictive requirements.

This product contains barium compounds. Leachate tests have not been performed. Consult your state, local or provincial authorities for disposal recommendations.

SECTION 14: TRANSPORTATION INFORMATION

UNITED STATES DEPARTMENT OF TRANSPORTATION (DOT)

DOT Proper Shipping Name: Adhesives
DOT Hazard Class/I.D. Code: 3, UN-1133
DOT Label: FLAMMABLE LIQUID
DOT Packaging Group: II

It is our opinion that the information provided here may be used to transport this product in compliance with Canadian Transportation of Dangerous Goods.

SECTION 15: REGULATORY INFORMATION

FEDERAL

Toxic Substances Control Act (TSCA)

Section 8(b) - Inventory Status

All components of this product are registered under the regulations of the Toxic Substances Control Act.

SARA TITLE III

Section 313: This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372:

Chemical Name	CAS Number	Percent
Barium compounds	NA	50-70%

ANDERSEN - TERMATONE
PATCHING CEMENT SC-1846

STATE REGULATIONS

California Proposition 65: Proposition 65, The Safe Drinking Water and Toxic Enforcement Act of 1986:

This product contains chemical(s) known to the state of California to cause cancer or reproductive damage.

<0.0078% Formaldehyde 50-00-0
listed January 1, 1988
< 0.1% Crystalline silica
listed October 1, 1988

HMIS IDENTIFICATION/OTHER INTERNATIONAL REGULATIONS

B2, D2A, D2E

SECTION 16: ADDITIONAL INFORMATION

Drums of this material should be grounded when pouring.

This product contains the following substance(s) identified by OSHA, HMIS, or the ACGIH as hazardous. During normal use, the material will not present an exposure risk. Once the product has reached its final state and is abraded or disturbed, dusting and exposure may occur.

50-70% Barium sulfate (7727-43-7)
Exposure limit total dust 10 mg/M3 (OSHA) 10 mg/M3 (ACGIH)
Exposure limit respirable dust 5 mg/M3 (OSHA)
LD50: No data found LC50: No data found

1-5% Iron oxide (1309-37-1)
Exposure limit total dust 10 mg/M3 (OSHA)
Exposure limit fume and dust 5 mg/M3 (ACGIH)
LD50: No data found LC50: No data found

HMIS RATING

Health-2 Flammability-3 Reactivity-0

See SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

ANDERSEN - TERRAZONE
PATCHING CEMENT SC-1846

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to the H.B. Fuller Company from its suppliers, and because the H.B. Fuller Company has no control over the conditions of handling and use, the H.B. Fuller Company makes no warranty, express or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and the H.B. Fuller Company assumes no responsibility from use or reliance thereon. It is the responsibility of the user of H.B. Fuller Company products to comply with all applicable federal, state and local laws and regulations.

ANDERSEN - WHITE PATCHING
CEMENT SC-1825

MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY INFORMATION

H.B. Fuller Company
1200 Walters Boulevard
Vadnais Heights, MN 55110
Phone: 612-481-3300
Fax: 612-481-3309

MSDS INFORMATION

Preparation Date: 02/08/94
Supersedes: 09/10/93
Prepared By: Industrial Hygiene
Phone Number: 612-481-3300

Medical Emergency Phone Number: 1-800-228-5635 ext 018
Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

PRODUCT INFORMATION

Product Name/Number: SC-1825 WHITE PATCHING CEMENT
Product Description (product use): Solvent based adhesive

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS). Unlisted ingredients are not 'hazardous' per the OSHA standard and/or are not found on the WHMIS ingredient disclosure list.

Chemical/CAS Number	Percent	OSHA PEL	ACGIH TLV
Dimethyl formamide (68-12-2) LD50: 2800 mg/kg (oral, rat) Vapor pressure, in mm Hg @ 20 C: 7 (Skin)	1-5%	10 ppm No data found	10 ppm
Epoxy resin	0.1-1.0%	Not estab.	Not estab.
Tetrahydrofuran (109-99-9) LD50: 1650 mg/kg (oral, rat) Vapor pressure, in mm Hg @ 20 C: 145 OSHA, ACGIH STEL: 250 ppm	10-30%	200 ppm 18,187 ppm/4h (rat)	200 ppm
Tricresyl phosphate (1330-78-5) LD50: 5190 mg/kg (oral, rat)	1-5%	Not estab.	Not estab.

Skin absorption may potentially contribute to the overall exposure to this material. Appropriate measures should be taken to prevent absorption so that the TLV is not invalidated.

See Section 16 for additional information.

Date Printed: 02/08/94

Page 2 of 6

ANDERSEN-WHITE PATCHING
CEMENT SC-1825

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Potential skin sensitizer
Flammable
Eye irritant
Contact will dry and defat the skin
Vapors harmful
Harmful if swallowed
Possible cancer hazard. Contains a material which may cause cancer.

POTENTIAL HEALTH EFFECTS

Eyes: Contact with the product or high vapor levels will cause irritation.

Skin: Epoxy resins are potential skin sensitizers.
Dimethyl formamide is readily absorbed through the skin.

Inhalation: Overexposure to vapors in poorly ventilated areas will cause irritation of the nose, throat and respiratory tract and may cause dizziness, headaches, nausea or unconsciousness.

Ingestion: Harmful if swallowed.

Chronic: Long-term overexposure to solvents may cause liver and kidney damage.

REGULATED CARCINOGEN STATUS:

N,N-dimethylformamide is listed as a potential carcinogen by IARC.

Existing Health Conditions Affected by Exposure: Overexposure to N,N-dimethylformamide may cause decreased liver function which may be significant in persons with pre-existing liver conditions.

SECTION 4: FIRST AID MEASURES

If in eye: Flush immediately with large amounts of water for at least 15 minutes. Call a physician.

If on skin: Wash affected area with soap and water. Launder contaminated clothing before reuse.

If vapors inhaled: Remove from exposure. Restore breathing if necessary. Keep warm and quiet. Call a physician.

If ingested: If person can swallow, give one glass of water or milk. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to an unconscious person.

ANDERSEN - WHITE PATCHING
CEMENT SR-1825

SECTION 5: FIRE FIGHTING MEASURES

Flash Point/Method: -6 degrees F TCC, -21 degrees C

Upper Explosive Limit/Lower Explosive Limit: Not established

Autoignition Temperature: Not established

Appropriate Extinguishers: Use water spray, foam, dry chemical or carbon dioxide.

Special Fire Fighting Procedures: Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.

Unusual Fire and Explosion Hazards: There is the possibility of pressure buildup in closed containers when heated. Water spray may be used to cool the containers.

Hazardous Combustion Product: Incomplete combustion can yield low molecular weight hydrocarbons, carbon monoxide, hydrogen chloride, nitrogen compounds

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures: Remove all sources of ignition. Ventilate area. Avoid breathing vapors. Dike and contain spill with inert absorbent and transfer to container for disposal. Use non-sparking tools. Keep spill out of sewers.

SECTION 7: HANDLING AND STORAGE

HANDLING INFORMATION

Keep away from heat, sparks and flame
Avoid breathing vapors
Use only with adequate ventilation
Avoid contact with eyes, skin and clothing
Wash thoroughly after handling
Keep container closed
Emptied container retains vapor and product residue
Observe all labeled precautions until container is cleaned
DO NOT CUT OR WELD ON OR NEAR THIS CONTAINER

STORAGE INFORMATION

Consult the Technical Data Sheet for specific storage instructions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Wear safety glasses to reduce the potential for eye contact; chemical safety goggles are appropriate if splashing is likely. Have eye washes available where eye contact can occur.

ANDERSEN - WHITE PATCHING
CEMENT SC-1825

Skin Protection: Prevent contact by using rubber gloves and appropriate protective clothing. Launder contaminated clothing before reuse.

Respiratory Protection: Use NIOSH/MSHA approved equipment - organic vapor respirators when airborne exposure limits are exceeded.

Ventilation: Local exhaust ventilation preferred. Provide ventilation to control contaminant levels below airborne exposure limits.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	White
Odor:	Pungent Solvent
Odor Threshold:	Not established
Weight per Gallon:	15.7 lbs.
Specific Gravity:	1.88
% Solids by Weight:	72
pH:	Not applicable
Boiling Range:	Greater than 147 F (64 C)
Freezing/Melting Point:	Not applicable
Vapor Pressure:	Not established
Vapor Density:	Not established
Evaporation Rate:	Not established
Water/Oil Partition Coefficient:	Not established
VOC:	528 g VOC/liter of material (VOC theoretically determined using EPA Publication 450/3-84-019)
VOC, less water:	528 g VOC/liter of material, less water and exempt solvents (VOC theoretically determined using EPA Publication 450/3-84-019.)

SECTION 10: STABILITY AND REACTIVITY DATA

Stability: Stable

Incompatibility: Not established

Hazardous Decomposition:
Hydrogen chloride

Hazardous Polymerization: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

No data available

SECTION 12: ECOLOGICAL INFORMATION

No data available

ANDERSEN - WHITE PATCHING
CEMENT SC-1825

SECTION 13: DISPOSAL CONSIDERATIONS

This product meets the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. It is ignitable waste class D001. Disposal via incineration is recommended. Consult your state, local, or provincial authorities for more restrictive requirements.

This product contains barium compounds. Leachate tests have not been performed. Consult your state, local or provincial authorities for disposal recommendations.

SECTION 14: TRANSPORTATION INFORMATION

UNITED STATES DEPARTMENT OF TRANSPORTATION (DOT)

DOT Proper Shipping Name: Adhesives
DOT Hazard Class/I.D. Code: 3, UN-1133
DOT Label: FLAMMABLE LIQUID
DOT Packaging Group: II

It is our opinion that the information provided here may be used to transport this product in compliance with Canadian Transportation of Dangerous Goods.

SECTION 15: REGULATORY INFORMATION

FEDERAL

Toxic Substances Control Act (TSCA)

Section 8(b) - Inventory Status

All components of this product are registered under the regulations of the Toxic Substances Control Act.

SARA TITLE III

Section 313: This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372:

Chemical Name	CAS Number	Percent
Barium compounds	NA	50-70%

ANDERSEN - WHITE PATCHING
CEMENT SC-1825

SECTION 13: DISPOSAL CONSIDERATIONS

This product meets the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. It is ignitable waste class D001. Disposal via incineration is recommended. Consult your state, local, or provincial authorities for more restrictive requirements.

This product contains barium compounds. Leachate tests have not been performed. Consult your state, local or provincial authorities for disposal recommendations.

SECTION 14: TRANSPORTATION INFORMATION

UNITED STATES DEPARTMENT OF TRANSPORTATION (DOT)

DOT Proper Shipping Name: Adhesives
DOT Hazard Class/I.D. Code: 3, UN-1133
DOT Label: FLAMMABLE LIQUID
DOT Packaging Group: II

It is our opinion that the information provided here may be used to transport this product in compliance with Canadian Transportation of Dangerous Goods.

SECTION 15: REGULATORY INFORMATION

FEDERAL

Toxic Substances Control Act (TSCA)

Section 8(b) - Inventory Status

All components of this product are registered under the regulations of the Toxic Substances Control Act.

SARA TITLE III

Section 313: This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372:

Chemical Name	CAS Number	Percent
Barium compounds	NA	50-70%

ANDERSEN-SEALANT
SANDSTONE #999A

RECEIVED JUL 22 1991

ANDERSEN CORPORATION
100 4TH AVE N
BAYPORT, MN 550031
23612-01

DOW CORNING CORPORATION
MATERIAL SAFETY DATA SHEET

NAME: DOW CORNING(R) 999A SIL. SEAL.-CUSTOM COLOR CODE 1 SANDTONE
EMERGENCY TELEPHONE NO. (517) 496-6900

SECTION I - GENERAL INFORMATION

MANUFACTURER'S NAME: DOW CORNING CORPORATION
ADDRESS: SOUTH SAGINAW ROAD, MIDLAND MI 48666

UNIFORM SHIPPING NAME(49CFR 172.101): NONE
U.S.T. HAZARD NAME(49CFR 172.101): NONE
U.S.T. ID NO(49CFR 172.101): NONE
U.S.T. HAZARD CLASS(49CFR 172.101): NONE
OSHA HAZARD CLASS(40CFR 261)(IF DISCARDED): NONE
OSHA PRIORITY POLLUTANTS(40CFR 122.53): NONE
NFPA - NATIONAL FIRE PROTECTION ASSOCIATION - 704
HEALTH (NFPA): 1 FLAMMABILITY (NFPA): 1 REACTIVITY (NFPA): 1
NO: MIXTURE DOW CORNING WARNING CODE: E3,S3,I2,
01
GENERIC DESCRIPTION: SILICONE

SECTION II - HAZARDOUS INGREDIENTS AS DEFINED IN 29 CFR 1910.1200
(CARCINOGENS IDENTIFIED WITH AN ASTERISK *)

ACETOXY-SILANE	%: 5	TLV (UNITS): TWA 10 PPM
	%:	TLV (UNITS): STEL 15 PPM
	%:	TLV (UNITS): OSHA PEL:
	%:	TLV (UNITS): TWA 10 PPM

COMMENT: TLV FOR ACETOXY-SILANE BASED ON ACETIC ACID FORMED DURING CURING ON
EXPOSURE TO WATER, MOISTURE, HUMID AIR.

SECTION III - EFFECTS OF OVEREXPOSURE

SKIN: DIRECT CONTACT IRRITATES SLIGHTLY TO MODERATELY WITH REDNESS AND SWELLING.

EYES: A SINGLE RELATIVELY SHORT EXPOSURE (LESS THAN 24 HOURS) IRRITATES.
REPEATED PROLONGED CONTACT (24 TO 48 HOURS) IRRITATES SERIOUSLY, MAY BURN
MILDLY.

INHALATION: IRRITATES RESPIRATORY PASSAGES AND EYES VERY SLIGHTLY.

ANDERSEN - SEALANT
SANDSTONE # 999A

DOW CORNING CORPORATION
MATERIAL SAFETY DATA SHEET

MATL NAME: DOW CORNING(R) 999A SIL. SEAL.-CUSTOM COLOR CODE 1

SECTION III - EFFECTS OF EXPOSURE (CONTINUED)

ORAL: SMALL AMOUNTS TRANSFERRED TO THE MOUTH BY FINGERS DURING USE, ETC.,
SHOULD NOT INJURE. SWALLOWING LARGE AMOUNTS MAY CAUSE DIGESTIVE DISCOMFORT.

COMMENTS: NO KNOWN ADVERSE CHRONIC HEALTH EFFECTS, BUT UNNECESSARY EXPOSURE TO
ANY CHEMICAL SHOULD BE AVOIDED.
THIS PRODUCT, AS WITH ANY CHEMICAL, MAY ENHANCE ALLERGIC CONDITIONS ON CERTAIN
PEOPLE. WE DO NOT KNOW OF ANY MEDICAL CONDITIONS THAT MIGHT BE AGGRAVATED BY
EXPOSURE TO THIS PRODUCT.

SECTION IV - EMERGENCY AND FIRST AID PROCEDURES

EYES: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.

SKIN: WIPE OFF AND FLUSH WITH WATER. GET MEDICAL ATTENTION IF IRRITATION
DEVELOPS.

INHALATION: REMOVE TO FRESH AIR.

ORAL: NO FIRST AID SHOULD BE NEEDED.

COMMENT: NONE

SECTION V - FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED): OPEN CUP ABOVE 250 F/120 C
AUTOIGNITION: NOT DETERMINED
FLAMMABILITY LIMITS IN AIR : LOWER:N.D. UPPER: N.D.

EXTINGUISHING MEDIA: WATER WATER FOG X CO2 X DRY CHEMICAL X FOAM X OTHER

SPECIAL FIRE FIGHTING PROCEDURES: SELF-CONTAINED BREATHING APPARATUS AND
PROTECTIVE CLOTHING SHOULD BE WORN IN FIGHTING FIRES INVOLVING CHEMICALS

UNUSUAL FIRE AND EXPLOSION HAZARDS: NOT KNOWN TO DOW CORNING

COMMENTS: N.D. - NOT DETERMINED.

SECTION VI - PHYSICAL DATA

BOILING POINT(@ 760 MM HG): NOT APPLICABLE
SPECIFIC GRAVITY (AT 77 DEG F/25 DEG C): 1.05
MELTING POINT: NOT APPLICABLE
VAPOR PRESSURE (AT 77 DEG F/25 DEG C): LESS THAN 5 MM
VAPOR DENSITY (AIR = 1 AT 77 DEG F/25 DEG C): NOT APPLICABLE
PERCENT VOLATILE BY WEIGHT (%): LESS THAN 5%
EVAPORATION RATE (ETHER = 1): LESS THAN 1
SOLUBILITY IN WATER(%): LESS THAN 0.1%
ODOR, APPEARANCE, COLOR: ACETIC ACID ODOR, PASTE-LIKE, COLOR VARIES.

NOTE: THE ABOVE INFORMATION IS NOT INTENDED FOR USE IN PREPARING PRODUCT
SPECIFICATIONS. CONTACT DOW CORNING BEFORE WRITING SPECIFICATIONS

SECTION VII - REACTIVITY DATA

STABILITY: STABLE

INCOMPATABILITY(MATERIAL TO AVOID): OXIDIZING MATERIAL CAN CAUSE A REACTION.

CONDITIONS TO AVOID: EXPOSURE TO AIR OR MOISTURE UNTIL READY TO USE - CAUSES
CURING AND ACETIC ACID VAPORS FORM.

HAZARDOUS DECOMPOSITION PRODUCTS: METAL OXIDES, SILICON DIOXIDE, CARBON
DIOXIDE, AND TRACES OF INCOMPLETELY BURNED CARBON PRODUCTS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NOT APPLICABLE

COMMENTS: NONE

ANDERSEN - SEALANT
SANDSTONE # 999A

DOW CORNING CORPORATION
MATERIAL SAFETY DATA SHEET

MATL NAME: DOW CORNING(R) 999A SIL. SEAL.-CUSTOM COLOR CODE 1

SECTION VIII - SPILL, LEAK, MAINTENANCE/REPAIR AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE PRODUCT AND CONTAIN FOR SALVAGE OR DISPOSAL.

PROTECTIVE EQUIPMENT:

EYES: USE PROPER PROTECTION -- SAFETY GLASSES, AS A MINIMUM.

SKIN: WASHING AT MEALTIME AND END OF SHIFT IS ADEQUATE. REMOVE CONTAMINATED CLOTHING AND SHOES AS SOON AS PRACTICAL AND CLEAN THOROUGHLY BEFORE REUSE.

INHALATION: USE RESPIRATORY PROTECTION UNLESS LOCAL EXHAUST VENTILATION IS ADEQUATE OR AIR SAMPLING DATA SHOW EXPOSURES ARE WITHIN TLV AND PEL GUIDE-LINES.

WASTE DISPOSAL METHOD: DOW CORNING SUGGESTS THAT ALL LOCAL, STATE AND FEDERAL REGULATIONS CONCERNING HEALTH AND POLLUTION BE REVIEWED TO DETERMINE APPROVED DISPOSAL PROCEDURES. CONTACT DOW CORNING IF THERE ARE ANY DISPOSAL QUESTIONS.

D.O.T. (49CFR 171.8)/E.P.A. (40CFR 117) SPILL REPORTING INFORMATION
HAZARDOUS SUBSTANCE: NONE REPORTABLE QUANTITY: NOT APPLICABLE
CONCENTRATION OF HAZARDOUS SUBSTANCE: NOT APPLICABLE
REPORTABLE QUANTITY OF PRODUCT: NOT APPLICABLE

COMMENTS: NONE

SECTION IX - ROUTINE HANDLING PRECAUTIONS

PROTECTIVE EQUIPMENT:

EYES: USE PROPER EYE PROTECTION -- SAFETY GLASSES, AS A MINIMUM.

SKIN *: WASHING AT MEALTIME AND END OF SHIFT IS ADEQUATE. REMOVE CONTAMINATED CLOTHING AND SHOES AS SOON AS PRACTICAL AND CLEAN THOROUGHLY BEFORE REUSE.

INHALATION: USE RESPIRATORY PROTECTION UNLESS LOCAL EXHAUST VENTILATION IS ADEQUATE OR AIR SAMPLING DATA SHOW EXPOSURES ARE WITHIN TLV AND PEL GUIDE-LINES.

VENTILATION:

LOCAL EXHAUST: MAY BE NEEDED.

MECHANICAL (GENERAL): RECOMMENDED

SUITABLE RESPIRATOR: ACID GAS/ORGANIC VAPOR TYPE.

THESE PRECAUTIONS ARE FOR ROOM TEMPERATURE HANDLING, USE AT ELEVATED TEMPERATURES, OR AEROSOL/SPRAY APPLICATIONS, MAY REQUIRE ADDED PRECAUTIONS.

* GOOD PRACTICE REQUIRES THAT GROSS AMOUNT OF ANY CHEMICAL BE REMOVED FROM THE SKIN AS SOON AS PRACTICAL, ESPECIALLY BEFORE EATING OR SMOKING.

COMMENTS: AVOID BREATHING VAPOR AND EYE AND SKIN CONTACT. USE ONLY WITH ADEQUATE VENTILATION.

SECTION X - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE BELOW 90F/32C.
KEEP CONTAINER CLOSED UNTIL READY TO USE.

OTHER PRECAUTIONS: PRODUCT FORMS ACETIC ACID (HOAC) WHEN EXPOSED TO WATER OR HUMID AIR. PROVIDE VENTILATION DURING USE TO CONTROL HOAC EXPOSURE WITHIN 10 PPM (CURRENT TLV) OR USE RESPIRATORY PROTECTION.

COMMENTS: NONE

RECEIVED JUL 22 1991

ANDERSEN - SEALANT
SANDSTONE #999A

DOW CORNING CORPORATION
MATERIAL SAFETY DATA SHEET

MATL NAME: DOW CORNING(R) 999A SIL. SEAL.-CUSTOM COLOR CODE 1

THESE DATA ARE OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.

PREPARED BY: JACK L. SHENEBERGER
LAST REVISION DATE: AUGUST 18, 1987
PREVIOUS REVISION DATE: NONE
DATE: NOVEMBER 21, 1990

(R) INDICATES REGISTERED OR TRADEMARK OF THE DOW CORNING CORPORATION.

RECEIVED MAR 20 1990

ANDERSEN - SEALANT
TERRATONE # 999A

ANDERSEN CORP
N 5TH AVE
BAYPORT, MN 55003
78173 BLANKET REL 2

DOW CORNING CORPORATION
MATERIAL SAFETY DATA SHEET

MATL NAME: DOW CORNING(R) 999A SILICONE GLAZ. SEAL.-LT BRONZE (TERRATONE)
EMERGENCY TELEPHONE NO. (517) 496-5900

SECTION I - GENERAL INFORMATION

MANUFACTURER'S NAME: DOW CORNING CORPORATION
ADDRESS: SOUTH SAGINAW ROAD, MIDLAND MI 48686

PROPER SHIPPING NAME(49CFR 172.101): NONE
D.O.T. HAZARD NAME(49CFR 172.101): NONE
D.O.T. ID NO(49CFR 172.101): NONE
D.O.T. HAZARD CLASS(49CFR 172.101): NONE
RCRA HAZARD CLASS(40CFR 261)(IF DISCARDED): NONE
E.P.A. PRIORITY POLLUTANTS(40CFR 122.53): NONE
NFPA = NATIONAL FIRE PROTECTION ASSOCIATION - 704
HEALTH (NFPA): 1 FLAMMABILITY (NFPA): 1 REACTIVITY (NFPA): 0
CAS NO: MIXTURE DOW CORNING WARNING CODE: NOT USED
GENERIC DESCRIPTION: SILICONE

SECTION II - HAZARDOUS INGREDIENTS AS DEFINED IN 29 CFR 1910.1200
(CARCINOGENS IDENTIFIED WITH AN ASTERISK *)

CAS NO.	INGREDIENT	WT. %	EXPOSURE LIMITS
007631869	SILICA, AMORPHOUS	9	OSHA PEL: TWA 20 MPPCF
PROPRIETARY	PROPRIETARY ACETOXSILANES	4	ACGIH TLV: TWA 10 MG/M3 TOTAL DUST OBSERVE LIMITS FOR ACETIC ACID, FORMED DURING CURING ON EXPOSURE TO WATER OR HUMID AIR. OSHA PEL: TWA 10 PPM. ACGIH TLV: TWA 10 PPM, STEL 15 PPM.

SECTION III - EFFECTS OF OVEREXPOSURE

EYE: DIRECT CONTACT IRRITATES SLIGHTLY TO MODERATELY WITH REDNESS AND SWELLING.

SKIN: A SINGLE SHORT EXPOSURE (LESS THAN 24 HOURS) MAY IRRITATE. REPEATED
PROLONGED CONTACT (24 TO 48 HOURS) MAY IRRITATE MODERATELY.

INHALATION: VAPOR OVEREXPOSURE MAY IRRITATE EYES, NOSE AND THROAT.

ORAL: SMALL AMOUNTS TRANSFERRED TO THE MOUTH BY FINGERS DURING USE, ETC.,

MATL NAME: DOW CORNING(R) 999A SILICONE GLAZ. SEAL.-LT BRONZE

SECTION III - EFFECTS OF EXPOSURE (CONTINUED)

SHOULD NOT INJURE. SWALLOWING LARGE AMOUNTS MAY CAUSE DIGESTIVE DISCOMFORT.

COMMENTS: NO KNOWN ADVERSE CHRONIC HEALTH EFFECTS, BUT UNNECESSARY EXPOSURE TO ANY CHEMICAL SHOULD BE AVOIDED. THIS PRODUCT, AS WITH ANY CHEMICAL, MAY ENHANCE ALLERGIC CONDITIONS ON CERTAIN PEOPLE. WE DO NOT KNOW OF ANY MEDICAL CONDITIONS THAT MIGHT BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT. NO INJURY FROM SILICA DUST SHOULD OCCUR DURING REASONABLE USE. IF USE CREATES RESPIRABLE PARTICLES, SOME RESPIRATORY SYSTEM INJURY MAY OCCUR. CURED SEALANT IS NONHAZARDOUS.

SECTION IV - EMERGENCY AND FIRST AID PROCEDURES

EYES: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.

SKIN: WIPE OFF AND FLUSH WITH WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS.

INHALATION: REMOVE TO FRESH AIR.

ORAL: NO FIRST AID SHOULD BE NEEDED.

COMMENT: NONE

SECTION V - FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED): CLOSED CUP ABOVE 212F/100C

AUTOIGNITION: NOT DETERMINED.

FLAMMABILITY LIMITS IN AIR : LOWER:N.D. UPPER: N.D.

EXTINGUISHING MEDIA: WATER WATER FOG X CO2 X DRY CHEMICAL X FOAM X OTHER

SPECIAL FIRE FIGHTING PROCEDURES: SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING SHOULD BE WORN IN FIGHTING FIRES INVOLVING CHEMICALS

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE KNOWN TO DOW CORNING.

COMMENTS: N.D. = NOT DETERMINED.

SECTION VI - PHYSICAL DATA

BOILING POINT(@ 760 MM HG): NOT APPLICABLE

SPECIFIC GRAVITY (AT 77 DEG F/25 DEG C): 1.02

MELTING POINT: NOT APPLICABLE

VAPOR PRESSURE (AT 77 DEG F/25 DEG C): LESS THAN 5 MM

VAPOR DENSITY (AIR = 1 AT 77 DEG F/25 DEG C): ABOVE 1

PERCENT VOLATILE BY WEIGHT (%): LESS THAN 5

EVAPORATION RATE (ETHER = 1): NOT APPLICABLE

SOLUBILITY IN WATER(%): LESS THAN 0.1

ODOR, APPEARANCE, COLOR: ACETIC ACID-LIKE, PASTE, LIGHT BRONZE.

NOTE: THE ABOVE INFORMATION IS NOT INTENDED FOR USE IN PREPARING PRODUCT SPECIFICATIONS. CONTACT DOW CORNING BEFORE WRITING SPECIFICATIONS

SECTION VII - REACTIVITY DATA

STABILITY: STABLE.

INCOMPATIBILITY(MATERIAL TO AVOID): OXIDIZING MATERIAL CAN CAUSE A REACTION. AIR OR MOISTURE CAUSES CURING AND ACETIC ACID VAPORS FORM.

CONDITIONS TO AVOID: EXPOSURE TO AIR OR MOISTURE UNTIL READY TO USE.

HAZARDOUS DECOMPOSITION PRODUCTS: SILICON DIOXIDE, CARBON DIOXIDE, AND TRACES OF INCOMPLETELY BURNED CARBON COMPOUNDS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NOT APPLICABLE.

COMMENTS: NONE.

DOW CORNING CORPORATION
MATERIAL SAFETY DATA SHEET

MATL NAME: DOW CORNING(R) 999A SILICONE GLAZ. SEAL.-LT BRONZE

SECTION VIII - SPILL, LEAK, MAINTENANCE/REPAIR AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE PRODUCT AND CONTAIN FOR SALVAGE OR DISPOSAL.

PROTECTIVE EQUIPMENT:

EYES: USE PROPER PROTECTION -- SAFETY GLASSES, AS A MINIMUM.

SKIN: WASHING AT MEALTIME AND END OF SHIFT IS ADEQUATE. REMOVE CONTAMINATED CLOTHING AND SHOES AS SOON AS PRACTICAL AND CLEAN THOROUGHLY BEFORE REUSE. RUBBER OR PLASTIC GLOVES ARE RECOMMENDED.

INHALATION: USE RESPIRATORY PROTECTION UNLESS LOCAL EXHAUST VENTILATION IS ADEQUATE OR AIR SAMPLING DATA SHOW EXPOSURES ARE WITHIN TLV AND PEL GUIDELINES.

WASTE DISPOSAL METHOD: DOW CORNING SUGGESTS THAT ALL LOCAL, STATE, AND FEDERAL REGULATIONS CONCERNING HEALTH AND POLLUTION BE REVIEWED TO DETERMINE APPROVED DISPOSAL PROCEDURES. CONTACT DOW CORNING IF THERE ARE ANY DISPOSAL QUESTIONS.

D.O.T. (49CFR 171.8)/E.P.A. (40CFR 117) SPILL REPORTING INFORMATION
HAZARDOUS SUBSTANCE: NONE REPORTABLE QUANTITY: NOT APPLICABLE
CONCENTRATION OF HAZARDOUS SUBSTANCE: NOT APPLICABLE
REPORTABLE QUANTITY OF PRODUCT: NOT APPLICABLE

COMMENTS: NONE

SECTION IX - ROUTINE HANDLING PRECAUTIONS

PROTECTIVE EQUIPMENT:

EYES: USE PROPER PROTECTION -- SAFETY GLASSES, AS A MINIMUM.

SKIN *: WASHING AT MEALTIME AND END OF SHIFT IS ADEQUATE. REMOVE CONTAMINATED CLOTHING AND SHOES AS SOON AS PRACTICAL AND CLEAN THOROUGHLY BEFORE REUSE. RUBBER OR PLASTIC GLOVES ARE RECOMMENDED.

INHALATION: USE RESPIRATORY PROTECTION UNLESS LOCAL EXHAUST VENTILATION IS ADEQUATE OR AIR SAMPLING DATA SHOW EXPOSURES ARE WITHIN TLV AND PEL GUIDELINES.

VENTILATION:

LOCAL EXHAUST: MAY BE NEEDED.
MECHANICAL (GENERAL): RECOMMENDED.

SUITABLE RESPIRATOR: ACID GAS/ORGANIC VAPOR TYPE.

THESE PRECAUTIONS ARE FOR ROOM TEMPERATURE HANDLING, USE AT ELEVATED TEMPERATURES, OR AEROSOL/SPRAY APPLICATIONS, MAY REQUIRE ADDED PRECAUTIONS.
* GOOD PRACTICE REQUIRES THAT GROSS AMOUNT OF ANY CHEMICAL BE REMOVED FROM THE SKIN AS SOON AS PRACTICAL, ESPECIALLY BEFORE EATING OR SMOKING.
COMMENTS: AVOID BREATHING VAPORS AND EYE AND SKIN CONTACT. USE ONLY WITH ADEQUATE VENTILATION. DO NOT TAKE INTERNALLY.

SECTION X - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE BELOW 90F/32C. KEEP CONTAINER CLOSED WHEN NOT IN USE.

OTHER PRECAUTIONS: TRACES OF FORMALDEHYDE AND OTHER THERMAL DECOMPOSITION PRODUCTS MAY FORM AT TEMPERATURES ABOVE 150C IN THE PRESENCE OF AIR. PROVIDE VENTILATION TO CONTROL VAPOR EXPOSURE WITHIN INHALATION GUIDELINES WHEN HANDLING AT ELEVATED TEMPERATURES.

COMMENTS: NONE

DOW CORNING CORPORATION
MATERIAL SAFETY DATA SHEET

ANDERSEN - SEALANT
TERRATONE #9991

MATL NAME: DOW CORNING(R) 999A SILICONE GLAZ. SEAL.-LT BRONZE

THESE DATA ARE OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.

PREPARED BY: JACK L. SHENEBERGER
LAST REVISION DATE: DECEMBER 14, 1988
PREVIOUS REVISION DATE: DECEMBER 22, 1986
DATE: DECEMBER 16, 1988

(R) INDICATES REGISTERED OR TRADEMARK OF THE DOW CORNING CORPORATION.

ANDERSEN
RECEIVED JAN 3 - 1992
8646 WHITE
SILICONE SEALER

DOW CORNING CORPORATION
MATERIAL SAFETY DATA SHEET

MATL NAME: GEN/PURP 683 WHT,CTN,12X3 FLOZ

EMERGENCY TELEPHONE NO. (517) 496-59

SECTION I - GENERAL INFORMATION

MANUFACTURER'S NAME: DOW CORNING CORP. PRODUCT INFORMATION NO. (517) 496-601
ADDRESS: SOUTH SAGINAW ROAD, MIDLAND MI 48686

PROPER SHIPPING NAME(49CFR 172.101): NONE
D.O.T. HAZARD NAME(49CFR 172.101): NONE
D.O.T. ID NO(49CFR 172.101): NONE
D.O.T. HAZARD CLASS(49CFR 172.101): NONE
RCRA HAZARD CLASS(40CFR 261)(IF DISCARDED): NONE
E.P.A. PRIORITY POLLUTANTS(40CFR 122.53): NONE
NFPA = NATIONAL FIRE PROTECTION ASSOCIATION - 704
HEALTH (NFPA): 1 FLAMMABILITY (NFPA): 1 REACTIVITY (NFPA): 0
CAS NO: MIXTURE DOW CORNING WARNING CODE: NOT USED
GENERIC DESCRIPTION: SILICONE

SECTION II - HAZARDOUS INGREDIENTS AS DEFINED IN 29 CFR 1910.1200
(CARCINOGENS IDENTIFIED WITH AN ASTERISK *)

CAS NO.	INGREDIENT	WT. %	EXPOSURE LIMITS
004253343	METHYLTRIACTOXYLSILANE	2	SEE COMMENT BELOW.
017689779	ETHYLTRIACTOXYLSILANE	2	SEE COMMENT BELOW.
007631869	SILICA, AMORPHOUS	8	OSHA PEL: TWA 6 MG/M3 ACGIH TLV: TWA 10 MG/M3 TOTAL DUS

COMMENT: OBSERVE LIMITS FOR ACETIC ACID, FORMED DURING CURING ON EXPOSURE TO WATER OR HUMID AIR. OSHA PEL: TWA 10 PPM. ACGIH TLV: TWA 10 PPM, STEL 15 PPM

SECTION III - EFFECTS OF OVEREXPOSURE

EYE: DIRECT CONTACT IRRITATES SLIGHTLY TO MODERATELY WITH REDNESS AND SWELLING

SKIN: A SINGLE SHORT EXPOSURE (LESS THAN 24 HOURS) MAY IRRITATE. REPEATED PROLONGED CONTACT (24 TO 48 HOURS) MAY IRRITATE MODERATELY.

INHALATION: VAPOR OVEREXPOSURE MAY IRRITATE EYES, NOSE AND THROAT.

ORAL: SMALL AMOUNTS TRANSFERRED TO THE MOUTH BY FINGERS DURING USE, ETC., SHOULD NOT INJURE. SWALLOWING LARGE AMOUNTS MAY CAUSE DIGESTIVE DISCOMFORT.

COMMENTS: NO INJURY FROM DUSTS SHOULD OCCUR DURING REASONABLE USE. IF USE CREATES RESPIRABLE PARTICLES SOME RESPIRATORY SYSTEM INJURY MAY OCCUR. CURED SEALANT IS NONHAZARDOUS. THIS PRODUCT, AS WITH ANY CHEMICAL, MAY ENHANCE ALLERGIC CONDITIONS ON CERTAIN PEOPLE. WE DO NOT KNOW OF ANY MEDICAL CONDITIONS THAT MIGHT BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

MATL NAME: GEN/PURP 583 WHT, CTN, 12X3 FLOZ

SECTION IV - EMERGENCY AND FIRST AID PROCEDURES

EYES: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.

SKIN: GET MEDICAL ATTENTION IF IRRITATION DEVELOPS.

INHALATION: REMOVE TO FRESH AIR.

ORAL: NO FIRST AID SHOULD BE NEEDED.

COMMENT: NONE

SECTION V - FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED): OPEN CUP ABOVE 250F/120C

AUTOIGNITION: NOT DETERMINED

FLAMMABILITY LIMITS IN AIR : LOWER:N.D. UPPER:N.D.

EXTINGUISHING MEDIA: WATER WATER FOG X CO2 X DRY CHEMICAL X FOAM X OTHER

SPECIAL FIRE FIGHTING PROCEDURES: SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING SHOULD BE WORN IN FIGHTING FIRES INVOLVING CHEMICALS

UNUSUAL FIRE AND EXPLOSION HAZARDS: NOT KNOWN TO DOW CORNING

COMMENTS: N.D. - NOT DETERMINED.

SECTION VI - PHYSICAL DATA

BOILING POINT(AT 760 MM HG): NOT APPLICABLE

SPECIFIC GRAVITY (AT 77 DEG F/25 DEG C): 1.04

MELTING POINT: NOT APPLICABLE

VAPOR PRESSURE (AT 77 DEG F/25 DEG C): LESS THAN 5 MM

VAPOR DENSITY (AIR = 1 AT 77 DEG F/25 DEG C): ABOVE 1

PERCENT VOLATILE BY WEIGHT (%): LESS THAN 5

EVAPORATION RATE (ETHER = 1): NOT APPLICABLE

SOLUBILITY IN WATER(%): LESS THAN 0.1

ODOR, APPEARANCE, COLOR: ACETIC ACID-LIKE, PASTE, WHITE.

NOTE: THE ABOVE INFORMATION IS NOT INTENDED FOR USE IN PREPARING PRODUCT SPECIFICATIONS. CONTACT DOW CORNING BEFORE WRITING SPECIFICATIONS.

DOW CORNING CORPORATION
MATERIAL SAFETY DATA SHEET

ANDERSEN
RECEIVED JAN 3 1992
8646 WHITE
SILICONE SEALER

MATL NAME: GEN/PURP 683 WHT, CTN, 12X3 FLOZ

SECTION VIII - SPILL, LEAK, MAINTENANCE/REPAIR AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE PRODUCT AND CONTAIN FOR SALVAGE OR DISPOSAL.

PROTECTIVE EQUIPMENT:

EYES: USE PROPER PROTECTION — SAFETY GLASSES, AS A MINIMUM.

SKIN: WASHING AT MEALTIME AND END OF SHIFT IS ADEQUATE. REMOVE CLOTHING AND SHOES AS SOON AS PRACTICAL AND CLEAN THOROUGHLY BEFORE REUSE. RUBBER OR PLASTIC GLOVES ARE RECOMMENDED.

INHALATION: USE RESPIRATORY PROTECTION UNLESS LOCAL EXHAUST VENTILATION IS ADEQUATE OR AIR SAMPLING DATA SHOW EXPOSURES ARE WITHIN TLV AND PEL GUIDELINES.

WASTE DISPOSAL METHOD: DOW CORNING SUGGESTS THAT ALL LOCAL, STATE AND FEDERAL REGULATIONS CONCERNING HEALTH AND POLLUTION BE REVIEWED TO DETERMINE APPROPRIATE DISPOSAL PROCEDURES. CONTACT DOW CORNING IF THERE ARE ANY DISPOSAL QUESTIONS.

D.O.T. (49CFR 171.8)/E.P.A. (40CFR 117) SPILL REPORTING INFORMATION
HAZARDOUS SUBSTANCE: NONE REPORTABLE QUANTITY: NOT APPLICABLE
CONCENTRATION OF HAZARDOUS SUBSTANCE: NOT APPLICABLE
REPORTABLE QUANTITY OF PRODUCT: NOT APPLICABLE

COMMENTS: PRODUCT CONTAINS NO INGREDIENT SUBJECT TO D.O.T OR E.P.A. CERCLA/S ENVIRONMENTAL RELEASE REPORTING REGULATIONS. SEE SEC. XI FOR ADDITIONAL COMPLIANCE INFORMATION.

DOW CORNING CORPORATION
MATERIAL SAFETY DATA SHEET

ANDERSEN
RECEIVED JAN 3 1992
8646 WHITE
SILICONE SEALER

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE PRODUCT AND CONTAIN FOR SALVAGE OR DISPOSAL.

PROTECTIVE EQUIPMENT:

EYES: USE PROPER PROTECTION -- SAFETY GLASSES, AS A MINIMUM.

SKIN: WASHING AT MEALTIME AND END OF SHIFT IS ADEQUATE. REMOVE CLOTHING AND SHOES AS SOON AS PRACTICAL AND CLEAN THOROUGHLY BEFORE REUSE. RUBBER OR PLASTIC GLOVES ARE RECOMMENDED.

INHALATION: USE RESPIRATORY PROTECTION UNLESS LOCAL EXHAUST VENTILATION IS ADEQUATE OR AIR SAMPLING DATA SHOW EXPOSURES ARE WITHIN TLV AND PEL GUIDELINES.

WASTE DISPOSAL METHOD: DOW CORNING SUGGESTS THAT ALL LOCAL, STATE AND FEDERAL REGULATIONS CONCERNING HEALTH AND POLLUTION BE REVIEWED TO DETERMINE APPROPRIATE DISPOSAL PROCEDURES. CONTACT DOW CORNING IF THERE ARE ANY DISPOSAL QUESTIONS.

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HAZARDOUS SUBSTANCE: NONE REPORTABLE QUANTITY: NOT APPLICABLE

CONCENTRATION OF HAZARDOUS SUBSTANCE: NOT APPLICABLE

REPORTABLE QUANTITY OF PRODUCT: NOT APPLICABLE

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RECEIVED JAN 3 1992
ANDERSON
8646 WHITE
SILICONE SEALER

DOW CORNING CORPORATION
MATERIAL SAFETY DATA SHEET

MATL NAME: GEN/PURP 683 WHT,CTN,12X3 FLOZ

SECTION IX - ROUTINE HANDLING PRECAUTIONS

PROTECTIVE EQUIPMENT:

EYES: USE PROPER EYE PROTECTION -- SAFETY GLASSES, AS A MINIMUM.

SKIN *: WASHING AT MEALTIME AND END OF SHIFT IS ADEQUATE. REMOVE CONTAMINATED CLOTHING AND SHOES AS SOON AS PRACTICAL AND CLEAN THOROUGHLY BEFORE REUSE. RUBBER OR PLASTIC GLOVES ARE RECOMMENDED.

INHALATION: USE RESPIRATORY PROTECTION UNLESS LOCAL EXHAUST VENTILATION IS ADEQUATE OR AIR SAMPLING DATA SHOW EXPOSURES ARE WITHIN TLV AND PEL GUIDELINES.

VENTILATION:

LOCAL EXHAUST: MAY BE NEEDED.
MECHANICAL (GENERAL): RECOMMENDED

SUITABLE RESPIRATOR: ACID GAS/ORGANIC VAPOR TYPE.

THESE PRECAUTIONS ARE FOR ROOM TEMPERATURE HANDLING; USE AT ELEVATED TEMPERATURES, OR AEROSOL/SPRAY APPLICATIONS, MAY REQUIRE ADDED PRECAUTIONS.
* GOOD PRACTICE REQUIRES THAT GROSS AMOUNT OF ANY CHEMICAL BE REMOVED FROM THE SKIN AS SOON AS PRACTICAL, ESPECIALLY BEFORE EATING OR SMOKING.
COMMENTS: AVOID BREATHING VAPORS AND EYE AND SKIN CONTACT. USE ONLY WITH ADEQUATE VENTILATION. DO NOT TAKE INTERNALLY.

SECTION X - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE BELOW 90F/32C.
USE REASONABLE CARE AND CAUTION.

OTHER PRECAUTIONS: PRODUCT FORMS ACETIC ACID (HOAC) WHEN EXPOSED TO WATER OR HUMID AIR. PROVIDE VENTILATION DURING USE TO CONTROL HOAC EXPOSURE WITHIN 10 PPM (CURRENT TLV) OR USE RESPIRATORY PROTECTION.
COMMENTS: NONE

SECTION XI - COMMENTS

ADDITIONAL SARA REGULATORY COMPLIANCE INFORMATION

SEC. 312 HAZARD CLASS: IMMEDIATE.

SEC. 313 NOTIFICATION: NOT APPLICABLE - EITHER NONE PRESENT OR NONE PRESENT IN REGULATED QUANTITIES.

RECEIVED JAN 3 1992

DOW CORNING CORPORATION
MATERIAL SAFETY DATA SHEET

8646 WHITE
SILICONE SEALER

MATL NAME: GEN/PURP 683 WHT, CTN, 12X3 FLOZ

SECTION XII - COMMENTS

SUPPLEMENTAL STATE COMPLIANCE INFORMATION

PENNSYLVANIA: 8% 7631869 SILICA, AMORPHOUS
70131678 POLYDIMETHYLSILOXANE, HYDROXY-TERMINATED

MASSACHUSETTS: 8% 7631869 SILICA, AMORPHOUS

NEW JERSEY: 8% 7631869 SILICA, AMORPHOUS, FUMED; #1655

4253343	METHYLTRIAACETOXYSILANE	69430246	DIMETHYL CYCLOSILOXANES
17689779	ETHYLTRIAACETOXYSILANE	70131678	POLYDIMETHYLSILOXANE,
63148629	POLYDIMETHYLSILOXANE		HYDROXY-TERMINATED

THESE DATA ARE OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.

PREPARED BY: JACK L. SHENEGER
LAST REVISION DATE: JULY 17, 1990
PREVIOUS REVISION DATE: OCTOBER 7, 1985
DATE: DECEMBER 04, 1990

(R) INDICATES REGISTERED OR TRADEMARK OF THE DOW CORNING CORPORATION.

ANDERSEN-SEALANT
WHITE # 999A

DEC 22 1988

ANDERSEN CORP
N 5TH AVE
BAYPORT, MN 55003
81489

DOW CORNING CORPORATION
MATERIAL SAFETY DATA SHEET

MATL NAME: DOW CORNING(R) 999A SILICONE GLAZING SEALANT-WHITE
EMERGENCY TELEPHONE NO. (517) 496-5900

SECTION I - GENERAL INFORMATION

MANUFACTURER'S NAME: DOW CORNING CORPORATION
ADDRESS: SOUTH SAGINAW ROAD, MIDLAND MI 48686

PROPER SHIPPING NAME(49CFR 172.101): NONE
D.O.T. HAZARD NAME(49CFR 172.101): NONE
D.O.T. ID NO(49CFR 172.101): NONE
D.O.T. HAZARD CLASS(49CFR 172.101): NONE
RCRA HAZARD CLASS(40CFR 261)(IF DISCARDED): NONE
E.P.A. PRIORITY POLLUTANTS(40CFR 122.53): NONE
NFPA = NATIONAL FIRE PROTECTION ASSOCIATION - 704
HEALTH (NFPA): 1 FLAMMABILITY (NFPA): 1 REACTIVITY (NFPA): 0
CAS NO: MIXTURE DOW CORNING WARNING CODE: NOT USED
GENERIC DESCRIPTION: SILICONE

SECTION II - HAZARDOUS INGREDIENTS AS DEFINED IN 29 CFR 1910.1200
(CARCINOGENS IDENTIFIED WITH AN ASTERISK *)

CAS NO.	INGREDIENT	WT. %	EXPOSURE LIMITS
007631869	SILICA, AMORPHOUS	9	OSHA PEL: TWA 20 MPPCF ACGIH TLV: TWA 10 MG/M3 TOTAL DUST
PROPRIETARY	PROPRIETARY ACETOXYSILANES	4	OBSERVE LIMITS FOR ACETIC ACID, FORMED DURING CURING ON EXPOSURE TO WATER OR HUMID AIR. OSHA PEL: TWA 10 PPM ACGIH TLV: TWA 10 PPM, STEL 15 PPM

SECTION III - EFFECTS OF OVEREXPOSURE

EYE: DIRECT CONTACT IRRITATES SLIGHTLY TO MODERATELY WITH REDNESS AND SWELLING.

SKIN: A SINGLE SHORT EXPOSURE (LESS THAN 24 HOURS) MAY IRRITATE. REPEATED
PROLONGED CONTACT (24 TO 48 HOURS) MAY IRRITATE MODERATELY.

INHALATION: VAPOR OVEREXPOSURE MAY IRRITATE EYES, NOSE AND THROAT.

ORAL: SMALL AMOUNTS TRANSFERRED TO THE MOUTH BY FINGERS DURING USE, ETC.,

DOW CORNING CORPORATION
MATERIAL SAFETY DATA SHEET

MATL NAME: DOW CORNING(R) 999A SILICONE GLAZING SEALANT-WHITE

SECTION III - EFFECTS OF EXPOSURE (CONTINUED)

SHOULD NOT INJURE. SWALLOWING LARGE AMOUNTS MAY CAUSE DIGESTIVE DISCOMFORT.

COMMENTS: NO KNOWN ADVERSE CHRONIC HEALTH EFFECTS, BUT UNNECESSARY EXPOSURE TO ANY CHEMICAL SHOULD BE AVOIDED. THIS PRODUCT, AS WITH ANY CHEMICAL, MAY ENHANCE ALLERGIC CONDITIONS ON CERTAIN PEOPLE. WE DO NOT KNOW OF ANY MEDICAL CONDITIONS THAT MIGHT BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT. NO INJURY FROM SILICA DUST SHOULD OCCUR DURING REASONABLE USE. IF USE CREATES RESPIRABLE PARTICLES, SOME RESPIRATORY SYSTEM INJURY MAY OCCUR.

SECTION IV - EMERGENCY AND FIRST AID PROCEDURES

EYES: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.

SKIN: WIPE OFF AND FLUSH WITH WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS.

INHALATION: REMOVE TO FRESH AIR.

ORAL: NO FIRST AID SHOULD BE NEEDED.

COMMENT: NONE

SECTION V - FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED): CLOSED CUP ABOVE 212F/100C

AUTOIGNITION: NOT DETERMINED.

FLAMMABILITY LIMITS IN AIR : LOWER:N.D. UPPER: N.D.

EXTINGUISHING MEDIA: WATER WATER FOG X CO2 X DRY CHEMICAL X FOAM X OTHER

SPECIAL FIRE FIGHTING PROCEDURES: SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING SHOULD BE WORN IN FIGHTING FIRES INVOLVING CHEMICALS

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE KNOWN TO DOW CORNING.

COMMENTS: N.D. = NOT DETERMINED.

SECTION VI - PHYSICAL DATA

BOILING POINT(@ 760 MM HG): NOT APPLICABLE

SPECIFIC GRAVITY (AT 77 DEG F/25 DEG C): 1.02

MELTING POINT: NOT APPLICABLE

VAPOR PRESSURE (AT 77 DEG F/25 DEG C): LESS THAN 5 MM

VAPOR DENSITY (AIR = 1 AT 77 DEG F/25 DEG C): ABOVE 1

PERCENT VOLATILE BY WEIGHT (%): LESS THAN 5

EVAPORATION RATE (ETHER = 1): NOT APPLICABLE

SOLUBILITY IN WATER(%): LESS THAN 0.1

ODOR, APPEARANCE, COLOR: ACETIC ACID-LIKE, PASTE, WHITE.

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SECTION VII - REACTIVITY DATA

STABILITY: STABLE.

INCOMPATIBILITY(MATERIAL TO AVOID): OXIDIZING MATERIAL CAN CAUSE A REACTION. AIR OR MOISTURE CAUSES CURING AND ACETIC ACID VAPORS FORM.

CONDITIONS TO AVOID: EXPOSURE TO AIR OR MOISTURE UNTIL READY TO USE.

HAZARDOUS DECOMPOSITION PRODUCTS: SILICON DIOXIDE, CARBON DIOXIDE, AND TRACES OF INCOMPLETELY BURNED CARBON COMPOUNDS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NOT APPLICABLE.

COMMENTS: NONE.

MATL NAME: DOW CORNING(R) 999A SILICONE GLAZING SEALANT-WHITE

SECTION VIII - SPILL, LEAK, MAINTENANCE/REPAIR AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE PRODUCT AND CONTAIN FOR SALVAGE OR DISPOSAL.

PROTECTIVE EQUIPMENT:

EYES: USE PROPER PROTECTION -- SAFETY GLASSES, AS A MINIMUM.

SKIN: WASHING AT MEALTIME AND END OF SHIFT IS ADEQUATE. REMOVE CONTAMINATED CLOTHING AND SHOES AS SOON AS PRACTICAL AND CLEAN THOROUGHLY BEFORE REUSE. RUBBER OR PLASTIC GLOVES ARE RECOMMENDED.

INHALATION: USE RESPIRATORY PROTECTION UNLESS LOCAL EXHAUST VENTILATION IS ADEQUATE OR AIR SAMPLING DATA SHOW EXPOSURES ARE WITHIN TLV AND PEL GUIDELINES.

WASTE DISPOSAL METHOD: DOW CORNING SUGGESTS THAT ALL LOCAL, STATE, AND FEDERAL REGULATIONS CONCERNING HEALTH AND POLLUTION BE REVIEWED TO DETERMINE APPROVED DISPOSAL PROCEDURES. CONTACT DOW CORNING IF THERE ARE ANY DISPOSAL QUESTIONS.

D.O.T. (49CFR 171.8)/E.P.A. (40CFR 117) SPILL REPORTING INFORMATION
HAZARDOUS SUBSTANCE: NONE REPORTABLE QUANTITY: NOT APPLICABLE
CONCENTRATION OF HAZARDOUS SUBSTANCE: NOT APPLICABLE
REPORTABLE QUANTITY OF PRODUCT: NOT APPLICABLE

COMMENTS: NONE

SECTION IX - ROUTINE HANDLING PRECAUTIONS

PROTECTIVE EQUIPMENT:

EYES: USE PROPER PROTECTION -- SAFETY GLASSES, AS A MINIMUM.

SKIN *: WASHING AT MEALTIME AND END OF SHIFT IS ADEQUATE. REMOVE CONTAMINATED CLOTHING AND SHOES AS SOON AS PRACTICAL AND CLEAN THOROUGHLY BEFORE REUSE. RUBBER OR PLASTIC GLOVES ARE RECOMMENDED.

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VENTILATION:

LOCAL EXHAUST: MAY BE NEEDED.
MECHANICAL (GENERAL): RECOMMENDED.

SUITABLE RESPIRATOR: ACID GAS/ORGANIC VAPOR TYPE.

THESE PRECAUTIONS ARE FOR ROOM TEMPERATURE HANDLING, USE AT ELEVATED TEMPERATURES, OR AEROSOL/SPRAY APPLICATIONS, MAY REQUIRE ADDED PRECAUTIONS.

* GOOD PRACTICE REQUIRES THAT GROSS AMOUNT OF ANY CHEMICAL BE REMOVED FROM THE SKIN AS SOON AS PRACTICAL, ESPECIALLY BEFORE EATING OR SMOKING.
COMMENTS: AVOID BREATHING VAPORS AND EYE AND SKIN CONTACT. USE ONLY WITH ADEQUATE VENTILATION. DO NOT TAKE INTERNALLY.

SECTION X - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE BELOW 90F/32C. KEEP CONTAINER CLOSED WHEN NOT IN USE.

OTHER PRECAUTIONS: TRACES OF FORMALDEHYDE AND OTHER THERMAL DECOMPOSITION PRODUCTS MAY FORM AT TEMPERATURES ABOVE 150C IN THE PRESENCE OF AIR. PROVIDE VENTILATION TO CONTROL VAPOR EXPOSURE WITHIN INHALATION GUIDELINES WHEN HANDLING AT ELEVATED TEMPERATURES.

COMMENTS: NONE

DOW CORNING CORPORATION
MATERIAL SAFETY DATA SHEET

ANDERSEN - SEALANT
WHITE # 999A

MATL NAME: DOW CORNING(R) 999A SILICONE GLAZING SEALANT-WHITE

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PREPARED BY: JACK L. SHENEBERGER
LAST REVISION DATE: DECEMBER 14, 1988
PREVIOUS REVISION DATE: DECEMBER 22, 1986
DATE: DECEMBER 16, 1988

(R) INDICATES REGISTERED OR TRADEMARK OF THE DOW CORNING CORPORATION.