



ISSUED: MAY 21, 2001

SUPERSEDES: NOVEMBER 02, 2000

DOCUMENT: 06-3743-9

**1. INGREDIENT**

INGREDIENT	C.A.S. NO.	PERCENT
SYNTHETIC POLYMER LATEX*	UNKNOWN	20.0 - 30.0
ZINC BORATE HYDRATE	12447-61-9	20.0 - 25.0
WATER	7732-18-5	20.0 - 30.0
SODIUM SILICATE	1344-09-8	10.0 - 16.0
2-ETHYLHEXYLDIPHENYL PHOSPHATE	1241-94-7	5.0 - 6.0
ZINC BORATE	1332-07-6	2.5 - 3.5
IRON OXIDE	1309-37-1	2.0 - 3.0
FLAME RETARDANT	UNKNOWN	1.5 - 3.0
TRADE SECRET*	UNKNOWN	< 2.0741
CHOPPED FIBERGLASS	65997-17-3	1.0 - 2.0
VINYL ACETATE	108-05-4	< 0.2
FORMALDEHYDE	50-00-0	< 0.03

\*NJTSRN 05995500

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND 40 CFR PART 372:

- ZINC BORATE HYDRATE
- ZINC BORATE
- VINYL ACETATE
- FORMALDEHYDE

**2. PHYSICAL DATA**

BOILING POINT: CA. 100 C

VAPOR PRESSURE: CA. 17.5 MMHG

VAPOR DENSITY: N/D

EVAPORATION RATE: CA. .33 BUOAC=1

SOLUBILITY IN WATER: COMPLETE

SPECIFIC GRAVITY: CA. 1.35 G/ML

PERCENT VOLATILE: CA. 19.9 %

PH: 7.5 - 8.0

VISCOSITY: CA. 12000 POISE BROOKFIELD

MELTING POINT: N/D

APPEARANCE AND ODOR: BROWN CAULK THIXOTROPIC PASTE WITH NEGLIGIBLE ODOR.

### 3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A

FLAMMABLE LIMITS - LEL: N/A

FLAMMABLE LIMITS - UEL: N/A

AUTOIGNITION TEMPERATURE: N/A

EXTINGUISHING MEDIA: NONFLAMMABLE.

SPECIAL FIRE FIGHTING PROCEDURES:

WEAR FULL PROTECTIVE CLOTHING, INCLUDING HELMET, SELF-CONTAINED, POSITIVE PRESSURE OR PRESSURE DEMAND BREATHING APPARATUS, BUNKER COAT AND PANTS, BANDS AROUND ARMS, WAIST AND LEGS, FACE MASK, AND PROTECTIVE COVERING FOR EXPOSED AREAS OF THE HEAD.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

NO UNUSUAL FIRE OR EXPLOSION HAZARDS ARE ANTICIPATED.

NFPA HAZARD CODES:

HEALTH: 1

FIRE: 0

REACTIVITY: 0

UNUSUAL REACTION HAZARD: NONE

OSHA FIRE HAZARD CLASS: NOT DETERMINED

### 4. REACTIVITY DATA

STABILITY: STABLE

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID: NONE KNOWN.

HAZARDOUS POLYMERIZATION: HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

HAZARDOUS DECOMPOSITION PRODUCTS: NONE KNOWN.

### 5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

REFER TO OTHER SECTIONS OF THIS MSDS FOR INFORMATION REGARDING PHYSICAL AND HEALTH HAZARDS, RESPIRATORY PROTECTION, VENTILATION, AND PERSONAL PROTECTIVE EQUIPMENT. CLEAN UP RESIDUE.

RECOMMENDED DISPOSAL: DISPOSE OF WASTE PRODUCT IN A SANITARY LANDFILL.

ENVIRONMENTAL DATA: NO DATA AVAILABLE.

REGULATORY INFORMATION:

VOLATILE ORGANIC COMPOUNDS: N/D.  
VOC LESS H2O & EXEMPT SOLVENTS: N/D.

SINCE REGULATIONS VARY, CONSULT APPLICABLE REGULATIONS OR AUTHORITIES BEFORE DISPOSAL.

EPCRA HAZARD CLASS:

FIRE HAZARD: NO  
PRESSURE: NO  
REACTIVITY: NO  
ACUTE: YES  
CHRONIC: NO

## 6. SUGGESTED FIRST AID

EYE CONTACT:

IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER. GET IMMEDIATE MEDICAL ATTENTION.

SKIN CONTACT:

FLUSH SKIN WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

INHALATION:

IF SIGNS/SYMPTOMS OCCUR, REMOVE PERSON TO FRESH AIR. IF SIGNS/SYMPTOMS CONTINUE, CALL A PHYSICIAN.

IF SWALLOWED:

DO NOT INDUCE VOMITING. DRINK TWO GLASSES OF WATER. CALL A PHYSICIAN.

## 7. PRECAUTIONARY INFORMATION

EYE PROTECTION: AVOID EYE CONTACT.

SKIN PROTECTION: AVOID PROLONGED OR REPEATED SKIN CONTACT.

RECOMMENDED VENTILATION:

NO HAZARDS ANTICIPATED. HOWEVER, PROVIDE VENTILATION ADEQUATE TO CONTROL ODORS.

RESPIRATORY PROTECTION: AVOID PROLONGED BREATHING OF VAPORS.

PREVENTION OF ACCIDENTAL INGESTION:

WASH HANDS AFTER HANDLING AND BEFORE EATING.

RECOMMENDED STORAGE:

STORE AWAY FROM HEAT. STORE AT TEMPERATURES ABOVE 32 DEGREES F (0 DEGREES C).

FIRE AND EXPLOSION AVOIDANCE: NOT APPLICABLE.

EXPOSURE LIMITS:

INGREDIENT	VALUE	UNIT	TYPE	AUTH
SKIN*				
SYNTHETIC POLYMER LATEX*	NONE	NONE	NONE	NONE
ZINC BORATE HYDRATE	NONE	NONE	NONE	NONE
WATER	NONE	NONE	NONE	NONE
SODIUM SILICATE	NONE	NONE	NONE	NONE
2-ETHYLHEXYLDIPHENYL PHOSPHATE	NONE	NONE	NONE	NONE
ZINC BORATE	NONE	NONE	NONE	NONE
IRON OXIDE	5	MG/M3 AS FE	TWA	ACGIH
IRON OXIDE	10	MG/M3 AS FUME	TWA	OSHA
FLAME RETARDANT	NONE	NONE	NONE	NONE
TRADE SECRET*	NONE	NONE	NONE	NONE
CHOPPED FIBERGLASS	10	MG/M3 AS DUST	TWA	3M
VINYL ACETATE	10	PPM	TWA	ACGIH
VINYL ACETATE	15	PPM	STEL	ACGIH
VINYL ACETATE	10	PPM	TWA	OSHA
VINYL ACETATE	20	PPM	STEL	OSHA
VINYL ACETATE	5	PPM	TWA	CMRG
FORMALDEHYDE	0.3	PPM SENSITIZER	CELL	ACGIH
FORMALDEHYDE	0.75	PPM	TWA	OSHA
FORMALDEHYDE	0.5	PPM OSHA ACTION LEVEL	TWA	OSHA

\* SKIN NOTATION:

LISTED SUBSTANCES INDICATED WITH 'Y' UNDER SKIN REFER TO THE POTENTIAL CONTRIBUTION TO THE OVERALL EXPOSURE BY THE CUTANEOUS ROUTE INCLUDING MUCOUS MEMBRANE AND EYE, EITHER BY AIRBORNE OR, MORE PARTICULARLY, BY DIRECT CONTACT WITH THE SUBSTANCE. VEHICLES CAN ALTER SKIN ABSORPTION.

SOURCE OF EXPOSURE LIMIT DATA:

3M: 3M RECOMMENDED EXPOSURE GUIDELINES  
 ACGIH: AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS  
 CMRG: CHEMICAL MANUFACTURER RECOMMENDED EXPOSURE GUIDELINES  
 OSHA: OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

NONE: NONE ESTABLISHED

## 8. HEALTH HAZARD DATA

### EYE CONTACT:

MILD EYE IRRITATION: SIGNS/SYMPTOMS CAN INCLUDE REDNESS, SWELLING, PAIN, AND TEARING.

### SKIN CONTACT:

MILD SKIN IRRITATION: SIGNS/SYMPTOMS CAN INCLUDE REDNESS, SWELLING, AND ITCHING.

### INHALATION:

IRRITATION (UPPER RESPIRATORY): SIGNS/SYMPTOMS CAN INCLUDE SORENESS OF THE NOSE AND THROAT, COUGHING AND SNEEZING.

### IF SWALLOWED:

INGESTION IS NOT A LIKELY ROUTE OF EXPOSURE TO THIS PRODUCT.

### INGESTION MAY CAUSE:

IRRITATION OF GASTROINTESTINAL TISSUES: SIGNS/SYMPTOMS CAN INCLUDE PAIN, VOMITING, ABDOMINAL TENDERNESS, NAUSEA, BLOOD IN VOMITUS, AND BLOOD IN FECES.

### SECTION CHANGE DATES

PRECAUTIONARY INFO. SECTION CHANGED SINCE NOVEMBER 02, 2000 ISSUE

THE INFORMATION IN THIS MATERIAL SAFETY DATA SHEET (MSDS) IS BELIEVED TO BE CORRECT AS OF THE DATE ISSUED. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. USER IS RESPONSIBLE FOR DETERMINING WHETHER THE 3M PRODUCT IS FIT FOR A PARTICULAR PURPOSE AND SUITABLE FOR USER'S METHOD OF USE OR APPLICATION. GIVEN THE VARIETY OF FACTORS THAT CAN AFFECT THE USE AND APPLICATION OF A 3M PRODUCT, SOME OF WHICH ARE UNIQUELY WITHIN THE USER'S KNOWLEDGE AND CONTROL, IT IS ESSENTIAL THAT THE USER EVALUATE THE 3M PRODUCT TO DETERMINE WHETHER IT IS FIT FOR A PARTICULAR PURPOSE AND SUITABLE FOR USER'S METHOD OF USE OR APPLICATION.

3M PROVIDES INFORMATION IN ELECTRONIC FORM AS A SERVICE TO ITS CUSTOMERS. DUE TO THE REMOTE POSSIBILITY THAT ELECTRONIC TRANSFER MAY HAVE RESULTED IN ERRORS, OMISSIONS OR ALTERATIONS IN THIS INFORMATION, 3M MAKES NO REPRESENTATIONS AS TO ITS COMPLETENESS OR ACCURACY. IN ADDITION, INFORMATION OBTAINED FROM A DATABASE MAY NOT BE AS CURRENT AS THE INFORMATION IN THE MSDS AVAILABLE DIRECTLY FROM 3M.

ABBREVIATIONS: N/D - NOT DETERMINED  
N/A - NOT APPLICABLE  
CA - APPROXIMATELY

MSDS: 3M BRAND FIRE BARRIER CP-25 WB+ CAULK (REVISED)

NOVEMBER 02, 2000

