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Material Safety Data Sheet

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Prepared by: Corporate Regulatory Services, 3M Canada Company
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1 Product Identification

Tradename:

3M BRAND FIRE BARRIER CP-25WB+

Product ID:

42-0016-4710-8	42-0016-4715-7	42-0016-4716-5	98-0400-5379-9
98-0400-5380-7	98-0400-5381-5	98-0400-5382-3	98-0400-5383-1
98-0400-5392-2	98-0400-5406-0	98-0400-5407-8	98-0400-5448-2
98-0400-5456-5	98-0400-5463-1		

Intended Use of Product:

Passive Fire Barrier Product

Division:

BUILDING & COMMERCIAL SERVICES

2 Composition/Information on Ingredients

Ingredient Name	CAS Number	Percentage
WATER	7732-18-5	20 - 30
ZINC BORATE	1332-07-6	20 - 30
SYNTHETIC POLYMER LATEX	Trade Secret	15 - 25
SODIUM SILICATE	1344-09-8	10 - 20
2-ETHYLHEXYLDIPHENYL PHOSPHATE	1241-94-7	5 - 10
IRON OXIDE	1309-37-1	1 - 5
POLYETHYLENE GLYCOL	25322-68-3	1 - 5
CHOPPED FIBERGLASS	65997-17-3	1 - 5

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QUARTZ SILICA

14808-60-7

0.1 - 0.2

NOTE:

SYNTHETIC POLYMER LATEX is a non-hazardous Trade Secret material according to WHMIS criteria.

Each percentage is expressed as the ratio of the weight of the ingredient to the weight of the controlled product.

3 Hazards Identification

Critical Hazards:

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Moderate Skin Irritation: Signs/symptoms can include localized redness, swelling, itching, and dryness.

WARNING: Contains a chemical which can cause cancer. (14808-60-7) (NTP known human carcinogen, IARC human carcinogen 1, Calif. Proposition 65)

See Sections 7 and 11 for further information.

4 First Aid Measures

Instructions for Eye Contact:

Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

Instructions for Skin Contact:

Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention. Wash contaminated clothing and clean shoes before reuse.

Instructions for Inhalation:

Remove person to fresh air. If signs/symptoms develop, get medical attention.

Instructions for Ingestion:

Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

5 Fire Fighting Measures

Flash point:

Not applicable

Lower Explosive Limit (%):

Not applicable

Upper Explosive Limit (%):

Not applicable

Autoignition temperature:

Not applicable

Suitable Extinguishing Media:

Not applicable

Exposure Hazards during Fire:

Material will not burn.

Combustion Products from Fire:

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Carbon monoxide - During Combustion;

Carbon dioxide - During Combustion;

Fire Fighting Procedures:

wear full protective equipment (Bunker Gear) and a self-contained

breathing apparatus (SCBA).
 NFPA: Health 2
 NFPA: Fire 0
 NFPA: Reactivity 0
 NFPA: Unusual Reaction Hazard none
 Special Instructions:
 Not applicable.

6 Accidental Release Measures

Personal Precautions:

Observe precautions from other sections. Call 3M- HELPS line (1-800-364-3577) for more information on handling and managing the spill.

Spill Response:

Ventilate the area with fresh air. Collect as much of the spilled material as possible. Clean up residue with detergent and water. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

7 Handling and Storage

Storage Requirements:

Store in a cool, dry place.

Incompatible Materials:

Store away from heat;

Ventilation:

No data available.

Use Instructions:

For industrial or professional use only. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

8 Exposure Controls/Personal Protection

Personal Protection

Eye Protection:

Avoid eye contact.

The following should be worn alone or in combination, as appropriate, to prevent eye contact:

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Indirect vented goggles;

Hand Protection:

wear appropriate gloves when handling this material.

The following glove material(s) are recommended:

polyvinyl chloride;

Skin Protection:

Avoid prolonged or repeated skin contact.

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for

selection of appropriate compatible materials.

Respiratory Protection:

Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

Ingestion (Prevention):

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

Recommended Ventilation:

Use with appropriate local exhaust ventilation.

Ingredient Exposure Data

WATER (7732-18-5)
 LD50 (rat, oral) > 90 ml/kg
 LC50 (rat, inhalation/4 hours) No data available.
 Exposure Limits
 No data available.

ZINC BORATE (1332-07-6)
 Specific Ingredient Data
 No data available. No data available.
 LD50 (rat, oral) No data available.
 LC50 (rat, inhalation/4 hours) No data available.
 Exposure Limits
 No data available.

SYNTHETIC POLYMER LATEX (Trade Secret)
 Specific Ingredient Data
 No data available.
 LD50 (rat, oral) No data available.
 LC50 (rat, inhalation/4 hours) No data available.
 Exposure Limits
 No data available.

SODIUM SILICATE (1344-09-8)
 Specific Ingredient Data
 No data available.
 LD50 (rat, oral) 3.3 - 8.4 g/kg
 LC50 (rat, inhalation/4 hours) No data available.
 Exposure Limits
 No data available.

2-ETHYLHEXYLDIPHENYL PHOSPHATE (1241-94-7)

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Specific Ingredient Data
 No data available.
 LD50 (rat, oral) No data available.
 LC50 (rat, inhalation/4 hours) No data available.
 Exposure Limits
 No data available.

IRON OXIDE (1309-37-1)
 LD50 (rat, oral) > 10,000 mg/kg
 LC50 (rat, inhalation/4 hours) No data available.
 Exposure Limits
 ACGIH: TWA 5 mg/m3 (specific form) as Fe; (Respirable) (Table A4)

POLYETHYLENE GLYCOL (25322-68-3)
 LD50 (rat, oral) 600 mg/kg
 LC50 (rat, inhalation/4 hours) No data available.
 Exposure Limits
 AIHA: TWA 10 mg/m3 as aerosol;

CHOPPED FIBERGLASS (65997-17-3)

Specific Ingredient Data

No data available.

LD50 (rat, oral)

No data available.

LC50 (rat, inhalation/4 hours)

No data available.

Exposure Limits

3M: TWA 10 mg/m³ as dust

QUARTZ SILICA (14808-60-7)

LD50 (rat, oral)

No data available.

LC50 (rat, inhalation/4 hours)

No data available.

Exposure Limits

ACGIH: TWA 0.025 mg/m³ (Respirable) (Table A2)-----
9 Physical and Chemical Properties

Physical form,Color,Odour:	Solid; paste; Thixotropic; Caulk; brown; negligible odour;
Odour Threshold:	No data available.
pH:	No data available.
Boiling point/boiling range:	No data available.
Melting point/melting range:	Not available
Vapour pressure:	No data available.
Water Solubility:	Complete
Specific gravity:	1.35 water=1
Vapour density:	No data available.
volatile organic compounds:	0 gms/liter
Evaporation rate:	No data available.
Viscosity:	No data available.
Percent Volatile:	30 %

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10 Stability and Reactivity

Conditions to Avoid:

Store away from heat;

Materials to Avoid:

None known.

Hazardous Decomposition:

Carbon monoxide - During Combustion;

Carbon dioxide - During Combustion;

Stability and Reactivity:

Stable. Hazardous polymerization will not occur.
-----11 Toxicological Information

Effects from Eye Contact:

Moderate Eye Irritation: Signs/symptoms may include redness,
swelling, pain, tearing, and blurred or hazy vision.

Effects from Skin Contact:

Moderate Skin Irritation: Signs/symptoms can include localized
redness, swelling, itching, and dryness.

Effects from Inhalation:

Respiratory Tract Irritation: Signs/symptoms may include cough,

sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Effects from Ingestion:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Sensitization Information:

No data available.

Carcinogenicity:

WARNING: Contains a chemical which can cause cancer. (14808-60-7) (NTP known human carcinogen, IARC human carcinogen 1, Calif. Proposition 65)

Mutagenicity:

No data available.

Reproductive Effects:

No data available.

Component Based Information:

No data available.

Product Based Information:

No data available.

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12 Ecological Information

Environmental Data:

Ecotoxicity Data:

Not determined.

Ecofate Data:

Not determined.

Special statements for 2001/58/EC:

One or more components of this product have significant known or predicted environmental hazards, but a conservative assessment indicates a low environmental risk. Intended use and proper disposal are unlikely to cause the environmentally hazardous component(s) to enter the environment in quantities or by routes that could cause the adverse environmental impacts.

13 Disposal Considerations

Product as Sold:

Dispose of waste product in a sanitary landfill. As a disposal alternative, dispose of waste product in a facility permitted to accept chemical waste.

Product Packaging:

No data available.

Special Instructions:

Since regulations vary, consult applicable regulations or authorities before disposal.

14 Transportation Information

Transportation of Dangerous Goods

TDG Classification:

Non-Regulated Material
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Special Information:: Contact 3M for more information. These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. 3M's transportation classifications are based on product formulation, packaging, 3M policies and 3M's understanding of applicable current regulations. 3M does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling, or marking requirements. The original 3M package is certified for Canadian ground shipment only. If you are shipping by air or ocean, the package may not meet applicable regulatory requirements.

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International Dangerous Goods Classification

15 Regulatory Information

WHMIS Classification: D2A, D2B
98-0400-5456-5 Exempt
(Consumer Product)

NOTE:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Product Certifications:

The product on this MSDS, or all its components, is included on the following countries' chemical inventories, as noted:

- DSL - Domestic Substances List (Canada)
- AICS - Australian Inventory of Chemical Substances
- TSCA - Toxic Substances Control Act (USA)
- EINECS - European Inventory of Existing Commercial Chemical Substances
- CICS - Chinese Inventory of Chemical Substances
- KECI - Korean Existing Chemicals Inventory
- MITI - Ministry of International Trade and Industry (JAPAN)

16 Other Information

Reason for Reissue:

The following sections and topics have been updated or revised:

Division name change.

Update Tradename

- Section 2 - Composition/Information on Ingredients;
- Section 3 - Hazards Identification - Critical Hazards;
- Section 4 - First Aid Measures;
- Section 5 - Fire Fighting Measures
- Section 6 - Accidental Release Measures;
- Section 7 - Handling and Storage;
- Section 8 - Exposure Controls/Personal Protection;
- Section 9 - Physical and Chemical Properties;
- Section 10 - Stability and Reactivity;

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Section 11 - Toxicological Information;
Section 13 - Disposal Considerations;
WHMIS Classification change
Section 15 - Regulatory Information: Product Certifications

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES,

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EXPRESSED OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION 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.

---End---

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