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Material Safety Data Sheet  
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Document id : 26-5475-4 Issue date : 2015/02/05  
Version : 5.00 Supersedes date : 2013/06/28

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

3M(TM) Fire Barrier Sealant FD 150+, Blue

Product ID:

XE-1014-9428-6	XE-1014-9427-8	98-0400-5550-5	98-0400-5315-3
98-0400-5316-1	98-0400-5343-5	98-0400-5375-7	98-0400-5609-9
98-0400-5624-8	98-0400-5638-8	98-0400-5639-6	98-0400-5640-4

Intended Use of Product:

Fire Protection

Caulk used as a passive fire protection.

Division:

INDUSTRIAL ADHESIVES AND TAPES

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2 Hazards Identification  
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Critical Hazards:

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

Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

May be absorbed following inhalation and cause target organ effects.

May be absorbed following ingestion and cause target organ effects.

WARNING: This product contains quartz (crystalline) silica (CAS 14808-60-7). Lung cancer and silicosis have been associated with exposure to quartz silica. No user exposure to quartz silica from this product is anticipated during normal intended use. (NTP known

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human carcinogen, IARC human carcinogen 1, Calif. Proposition 65).  
An ingredient in this product (Ethylene Glycol CAS# 107-21-1) has  
been shown to cause embryotoxic and teratogenic effects in  
laboratory animals.  
See Sections 7 and 11 for further information.

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3 Composition/Information on Ingredients  
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Ingredient Name	CAS Number	Percentage
CALCIUM CARBONATE	1317-65-3	40 - 70
POLYMER	Trade Secret	10 - 30
Acrylic Emulsion	70677-00-8	5 - 10
WATER	7732-18-5	5 - 10
MINERAL SPIRITS	64742-88-7	5 - 10
ETHYLENE GLYCOL	107-21-1	1 - 5
PLASTICIZER	27138-31-4	1 - 5
ETHYL HYDROXYETHYL CELLULOSE	9004-58-4	0.5 -
1.5 QUARTZ SILICA	14808-60-7	0.1 -

1.0 NOTE:

POLYMER is a Trade Secret material which is not controlled according to WHMIS criteria.

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

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4 First Aid Measures  
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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 for at least 20 minutes or until chemical is removed. 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. Get medical attention.

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5 Fire Fighting Measures

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Flash point: Not applicable  
Lower Explosive Limit (%): Not applicable  
Upper Explosive Limit (%): Not applicable  
Autoignition temperature: Not applicable  
Suitable Extinguishing Media:  
Non-combustible. Choose material suitable for surrounding fire.  
Exposure Hazards during Fire:  
No data available.  
Combustion Products from Fire:  
Carbon Monoxide;  
Carbon Dioxide;  
Unusual Fire and Explosion Hazards  
None known.  
Fire Fighting Procedures:  
Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).  
NFPA: Health 2  
NFPA: Fire 1  
NFPA: Reactivity 0  
NFPA: Unusual Reaction Hazard  
none  
National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.  
Special Instructions:  
Not applicable.

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6 Accidental Release Measures

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Personal Precautions:  
Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode.  
Environmental Procedures  
Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

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Methods for cleaning up

Observe precautions from other sections. Call 3M- HELPS line (1-800-364-3577) for more information on handling and managing the spill. Collect as much of the spilled material as possible. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and MSDS.

Spill Response:

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Call 3M-HELPS line (1-800-364-3577) for more information on handling and managing the spill.

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7 Handling and Storage

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Storage Requirements:

Store in a cool, dry place. Store away from areas where product may come into contact with food or pharmaceuticals.

Incompatible Materials:

Store away from oxidizing agents.

Ventilation:

No data available.

Use Instructions:

Avoid breathing of vapours. Avoid eye contact. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Avoid contact with oxidizing agents.

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8 Exposure Controls/Personal Protection

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Personal Protection

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Eye Protection:

Avoid eye contact.

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

Safety glasses with side shields

Indirect vented goggles;

Hand Protection:

Wear appropriate gloves when handling this material.

The following glove material(s) are recommended:

butyl rubber;

neoprene;

Skin Protection:

Avoid skin contact.

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

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with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

Respiratory Protection:

Avoid breathing of vapours.

Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations: Half facepiece or fullface air-purifying respirator with organic vapor cartridges and P95 particulate prefilters

Ingestion (Prevention):

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

Recommended Ventilation:

Use in a well-ventilated area.

Ingredient Exposure Data  
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CALCIUM CARBONATE (1317-65-3)

Specific Ingredient Data

No data available.

LD50 (rat, oral) 6450 mg/kg

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

ACGIH: TWA 10 mg/m3 (Particulates not otherwise classified)

POLYMER (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.

Acrylic Emulsion (70677-00-8)

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

No data available.

WATER (7732-18-5)

LD50 (rat, oral) > 90 ml/kg

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

No data available.

MINERAL SPIRITS (64742-88-7)

Specific Ingredient Data

No data available.

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

CMRG: TWA 100 ppm 100 ppm CMRG: TWA

ETHYLENE GLYCOL (107-21-1)

LD50 (rat, oral) 4700 mg/kg

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LC50 (rat, inhalation/4 hours)	No data available.
Exposure Limits	
ACGIH: CEIL 100 mg/m3 as aerosol;	
CMRG: CEIL 100 mg/m3 as vapour and aerosol;	

PLASTICIZER (27138-31-4)

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.

ETHYL HYDROXYETHYL CELLULOSE (9004-58-4)

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

QUARTZ SILICA (14808-60-7)

Specific Ingredient Data	No data available.
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)	0.025 mg/m3

ACGIH: TWA; respirable fraction

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## 9 Physical and Chemical Properties

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Physical form,Color,Odour:	Solid; paste; Blue; low 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:	No data available.
Partition coefficient (K o/w):	Not Available
Specific gravity:	1.45 Water=1
Vapour density:	No data available.
Volatile organic compounds:	< 15 % by weight
Evaporation rate:	No data available.
Viscosity:	No data available.
Percent Volatile:	No data available.

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## 10 Stability and Reactivity

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### Conditions to Avoid:

None known.

### Materials to Avoid:

Strong oxidizing agents;

### Hazardous Decomposition:

Carbon Monoxide;

Carbon Dioxide;

### Stability and Reactivity:

Stable. Hazardous polymerization will not occur.

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## 11 Toxicological Information

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### Effects from Eye Contact:

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

### Effects from Skin Contact:

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

Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

### Effects from Inhalation:

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Respiratory Effects: Signs/symptoms may include cough, shortness of breath, chest tightness, wheezing, increased heart rate, bluish colored skin (cyanosis), sputum production, changes in lung function tests, and/or respiratory failure.

May be absorbed following inhalation and cause target organ effects.

### Effects from Ingestion:

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

May be absorbed following ingestion and cause target organ effects.

### Sensitization Information:

Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

### Carcinogenicity:

WARNING: This product contains quartz (crystalline) silica (CAS 14808-60-7). Lung cancer and silicosis have been associated with exposure to quartz silica. No user exposure to quartz silica from this product is anticipated during normal intended use. (NTP known human carcinogen, IARC human carcinogen 1, Calif. Proposition 65).

### Mutagenicity:

No data available.

### Reproductive Effects:

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An ingredient in this product (Ethylene Glycol CAS# 107-21-1) has been shown to cause embryotoxic and teratogenic effects in laboratory animals.

Component Based Information:

Ethylene Glycol (CAS 107-21-1) is present in this product at >1%. The product overall, however, does not meet a D1 classification as the LD50(oral) has been conservatively calculated at: > 3400 mg/kg

Product Based Information:

No data available.

Other Effects & Information:

Cardiac Effects: Signs/symptoms may include irregular heartbeat (arrhythmia), changes in heart rate, damage to heart muscle, heart attack, and may be fatal.

Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

Kidney/Bladder Effects: Signs/symptoms may include changes in urine production, abdominal or lower back pain, increased protein in urine, increased blood urea nitrogen (BUN), blood in urine, and painful urination.

Neurological Effects: Signs/symptoms may include personality changes, lack of coordination, sensory loss, tingling or numbness of the extremities, weakness, tremors, and/or changes in blood pressure and heart rate.

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12 Ecological Information  
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Environmental Data:

Ecotoxicity Data:

No data available.

Ecofate Data:

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13 Disposal Considerations  
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Product as Sold:

No data available.

Product Packaging:

No data available.

Special Instructions:

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



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14 Transport Information

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Transportation of Dangerous Goods

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TDG Classification: Non-Regulated Material  
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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15 Regulatory Information

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WHMIS Classification: D2A, D2B  
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)  
TSCA - Toxic Substances Control Act (USA)

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16 Other Information

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Reason for Reissue:  
The following Sections and topics have been updated or revised:  
Section 7 - Handling and Storage

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, 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

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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.

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