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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 Chemical Product and Company Identification

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Tradename:

3M(TM) Hybrid Adhesive Sealant 760 White, Gray and Black

Product ID:

62-5277-8532-3 62-5277-3932-0 62-5277-5232-3 62-5277-9532-2  
62-5278-3932-8 62-5278-5232-1 62-5278-8532-1 62-5278-9532-0  
62-5279-3932-6 62-5279-5232-9 62-5279-5236-0

Intended Use of Product:

Adhesive

Division:

AD - Industrial Adhesives and Tapes Division

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2 Hazards Identification

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Critical Hazards:

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: Contains a chemical which can cause cancer. (13463-67-7)  
(IARC human carcinogen 2B).

WARNING: Contains a chemical which can cause cancer (1333-86-4)  
(IARC possible human carcinogen 2B)  
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	471-34-1	25 - 45
Polyether - N.J.T.S. Reg. No. 04499600-6711	Trade Secret	20 - 35
LIMESTONE	1317-65-3	10 - 15
TITANIUM DIOXIDE	13463-67-7	10 - 15
DIISODECYL PHTHALATE	68515-49-1	10 - 15
BLACK IRON OXIDE	1317-61-9	1 - 5
Phenol Alkyl Sulfonate - N.J.T.S. Reg. No. 04499600-6712	Trade Secret	1 - 5
CALCIUM OXIDE	1305-78-8	1 - 5
(Trimethoxysilylpropyl)	1760-24-3	0.1 - 1.0
Ethylenediamine		
Dioctyltinbis(acetylacetonate)	54068-28-9	0.1 - 1.0
CARBON BLACK	1333-86-4	0.1 - 1.0

NOTE:

POLYETHER is a non-hazardous Trade Secret material according to WHMIS criteria.

Phenol Alkyl Sulfonate 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.

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4 First Aid Measures  
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Instructions for Eye Contact:

Flush eyes with large amounts of water for at least 20 minutes or until chemical is removed. If signs/symptoms persist, get medical attention.

Instructions for Skin Contact:

Remove contaminated clothing and shoes. Wash affected area with soap and water. If signs/symptoms develop, get medical attention. Wash contaminated clothing and clean shoes before reuse.

Instructions for Inhalation:

If signs/symptoms develop, remove person to fresh air. If

signs/symptoms persist, 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: > 200 C

Suitable Extinguishing Media:

Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

Exposure Hazards during Fire:

No unusual fire or explosion hazards are anticipated.

Combustion Products from Fire:

Carbon monoxide - During Combustion;  
Carbon dioxide - During Combustion;  
Irritant Vapours or Gases - During Combustion;  
Oxides of Nitrogen - During Combustion;

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 1

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.

#### Environmental Procedures

Collect the resulting residue containing solution. 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:

Observe precautions from other sections. 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.

#### Incompatible Materials:

Store away from heat;  
Store out of direct sunlight.

Amines;

Alcohols;

Water;

#### Ventilation:

No data available.

#### Use Instructions:

For industrial or professional use only.  
Keep container tightly closed.

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### 8 Exposure Controls/Personal Protection

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#### Personal Protection

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#### Eye Protection:

Avoid eye contact.

Avoid eye contact with dust or airborne particles.

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

Indirect vented goggles;

**Hand Protection:**

Wear appropriate gloves when handling this material.

The following glove material(s) are recommended:

polyethylene;

polyvinyl alcohol;

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

**Respiratory Protection:**

Avoid breathing of vapours.

Avoid breathing of dust created by sanding, grinding or machining.

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 vapour cartridges and N95 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 with appropriate local exhaust ventilation.

Provide appropriate local exhaust for cutting, grinding, sanding or machining.

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control dust, fume, or airborne particles. If ventilation is not adequate, use respiratory protection equipment.

**Ingredient Exposure Data**

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**CALCIUM CARBONATE (471-34-1)**

LD50 (rat, oral) 6450 mg/kg

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

**Exposure Limits**

ACGIH: TWA 10 mg/m<sup>3</sup>

**Polyether - N.J.T.S. Reg. No. 04499600-6711 (Trade Secret)**

LD50 (rat, oral) No data available.

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

**Exposure Limits**

No data available.

LIMESTONE (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/m<sup>3</sup> (Particulates not otherwise classified)

TITANIUM DIOXIDE (13463-67-7)

LD50 (rat, oral) > 24000 mg/kg

LC50 (rat, inhalation/4 hours) > 6820 mg/m<sup>3</sup>

Exposure Limits

ACGIH: TWA 10 mg/m<sup>3</sup> (Table A4) (Particulates not otherwise classified)

CMRG: TWA 5 mg/m<sup>3</sup> (as respirable dust)

DIISODECYL PHTHALATE (68515-49-1)

Specific Ingredient Data

No data available.

LD50 (rat, oral) No data available.

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

Exposure Limits

CMRG: TWA 5 mg/m<sup>3</sup>

BLACK IRON OXIDE (1317-61-9)

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.

Phenol Alkyl Sulfonate - N.J.T.S. Reg. No. 04499600-6712 (Trade Secret)

LD50 (rat, oral) No data available.

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

Exposure Limits

No data available.

CALCIUM OXIDE (1305-78-8)

LD50 (rat, oral) No data available.

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

Exposure Limits

ACGIH: TWA 2 mg/m<sup>3</sup>

(Trimethoxysilylpropyl)Ethylenediamine (1760-24-3)

LD50 (rat, oral) 7460 mg/kg

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

Exposure Limits

No data available.

Diocetyl tinbis(acetylacetonate) (54068-28-9)

LD50 (rat, oral) No data available.

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

#### Exposure Limits

No data available.

#### CARBON BLACK (1333-86-4)

LD50 (rat, oral) > 15400 mg/kg

LD50 (dermal, rabbit) > 3 g/kg

LC50 (rat, inhalation/4 hours) 6750 mg/m<sup>3</sup>

#### Exposure Limits

ACGIH: TWA 3.5 mg/m<sup>3</sup> (Table A4)

CMRG: TWA 0.5 mg/m<sup>3</sup>

### 9 Physical and Chemical Properties

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Physical form,Color,Odour: Solid; paste; Slight odour;  
Odour Threshold: No data available.  
pH: Not applicable  
Boiling point/boiling range: > 120 C  
Melting point/melting range: Not Available  
Vapour pressure: Not applicable  
Water Solubility: Negligible  
Partition coefficient (K o/w): Not Available  
Specific gravity: 1.6 Water=1  
Vapour density: 5 Air=1 Estimated  
Volatile organic compounds: 29.1 gms/liter  
Evaporation rate: Not Available  
Viscosity: Not Available  
Percent Volatile: 1.8 % by weight

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### 10 Stability and Reactivity

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#### Conditions to Avoid:

Heat;  
Store out of direct sunlight.

#### Materials to Avoid:

Amines;  
Alcohols;  
Water;

#### Hazardous Decomposition:

Carbon monoxide - During Combustion;  
Carbon dioxide - During Combustion;  
Irritant Vapours or Gases - During Combustion;  
Oxides of Nitrogen - During Combustion;

#### Stability and Reactivity:

Stable. Hazardous polymerization will not occur.

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## 11 Toxicological Information

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### Effects from Eye Contact:

Mild Eye Irritation: Signs/symptoms may include redness, pain, and tearing.

Vapours released during curing may cause eye irritation.

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

Dust created by cutting, grinding, sanding, or machining can cause eye irritation: Signs/symptoms can include redness, swelling, pain, tearing, and blurred or hazy vision.

### Effects from Skin Contact:

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and Black

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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:

Vapours released during curing may cause irritation of the respiratory system. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Dust from cutting, grinding, sanding or machining may cause irritation of the respiratory system. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

May be absorbed following inhalation and cause target organ effects.

Prolonged or repeated exposure may cause: Pneumoconiosis:

Sign/symptoms can include persistent cough, breathlessness, chest pain, increased amounts of sputum, and changes in lung function tests.

### 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: Contains a chemical which can cause cancer. (13463-67-7) (IARC human carcinogen 2B).

WARNING: Contains a chemical which can cause cancer (1333-86-4) (IARC possible human carcinogen 2B)

### 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

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Environmental Data:

Ecotoxicity Data:

Not determined.

Ecofate Data:

Not determined.

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## 13 Disposal Considerations

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Product as Sold:

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

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.

## International Dangerous Goods Classification

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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:

EINECS - European Inventory of Existing Commercial Chemical Substances

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The components of this product are in compliance with the chemical notification requirements of CEPA.

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### 16 Other Information

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Reason for Reissue:

The following Sections and topics have been updated or revised:  
Added French translation to MSDS

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 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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