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Material Safety Data Sheet

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1 Chemical Product and Company Identification

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Tradename:

3M Super Weatherstrip and Gasket Adhesive - Black, P.N. 08008

Product ID:

60-9800-3122-7 60-4550-2996-1 LB-K000-1071-0 41-3701-2175-2  
60-4550-5472-0 60-4550-5560-2 60-4550-5843-2

Intended Use of Product:

Adhesive; Automotive

Division:

AUTOMOTIVE AFTERMARKET

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2 Hazards Identification

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Critical Hazards:

Flammable liquid and vapour.

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. 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.

Intentional concentration and inhalation may be harmful or fatal.

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

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WARNING: Contains a chemical which can cause cancer. (CAS  
100-41-4) (IARC possible human carcinogen 2B)  
Contains Methyl Ethyl Ketone (CAS# 78-93-3) which can cause birth  
defects or other reproductive harm.  
TOLUENE (108-88-3): can cause birth defects or other reproductive  
harm.  
High exposures to xylenes in some animal studies have been reported  
to cause health effects on the developing embryo/fetus. These  
effects were often at levels toxic to the mother. The significance  
of these findings to humans has not been determined.  
Very toxic: danger of very serious irreversible effects through  
inhalation, in contact with skin and if swallowed.  
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
NAPHTHA (PETROLEUM), SOLVENT-REFINED LIGHT	64741-84-0	10 - 30
POLYCHLOROPRENE	9010-98-4	10 - 30
PHENOLIC POLYMER, NJTS# 04499600-6305	Trade Secret	10 - 30
METHYL ETHYL KETONE	78-93-3	10 - 30
TOLUENE	108-88-3	5 - 10
MAGNESIUM OXIDE	1309-48-4	3 - 7
XYLENE	1330-20-7	1 - 5
ETHYLBENZENE	100-41-4	0.1 - 1
STYRENATED PHENOL	61788-44-1	0.1 - 1
ROSIN	8050-09-7	0.1 - 1
CARBON BLACK	1333-86-4	0.1 - 1
ZINC OXIDE	1314-13-2	0.1 - 1

NOTE:

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

PHENOLIC POLYMER is a Trade Secret. Refer to section 15 for  
further information.

The ingredient ethylbenzene is not considered to be WHMIS  
controlled as it is part of the complex mixture "xylene".

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#### 4 First Aid Measures

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##### Instructions for Eye Contact:

Immediately flush eyes with large amounts of water for at least 20 minutes or until chemical is removed. Get immediate medical attention.

##### Instructions for Skin Contact:

Remove contaminated clothing and shoes. Flush skin with large amounts of water for at least 20 minutes or until chemical is removed. If irritation persists, get medical attention. 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. If breathing has stopped trained personnel should begin artificial respiration (AR) immediately. If the heart has stopped trained personnel should begin cardiopulmonary resuscitation (CPR) immediately.

##### Instructions for Ingestion:

Do not induce vomiting unless instructed to do so by medical personnel. Get medical attention. If breathing has stopped trained personnel should begin artificial respiration (AR) immediately. If the heart has stopped trained personnel should begin cardiopulmonary resuscitation (CPR) immediately. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing.

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#### 5 Fire Fighting Measures

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Flash point: -21.1 C TCC

Lower Explosive Limit (%): 1 % by volume

Upper Explosive Limit (%): 11.5 % by volume

Autoignition temperature: Not Available

##### Suitable Extinguishing Media:

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

##### Exposure Hazards during Fire:

Closed containers exposed to heat from fire may build pressure and explode. Vapours may travel long distances along the ground or floor to an ignition source and flash back.

##### Combustion Products from Fire:

Carbon Monoxide;

Carbon Dioxide;

Toxic vapours, gases or particulates;

Hydrogen Chloride - During Combustion;

##### Unusual Fire and Explosion Hazards

Flammable liquid and vapour.

##### Fire Fighting Procedures:

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Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

NFPA: Health 2

NFPA: Fire 3

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:

Dust clouds of this material in combination with an ignition source may be explosive.

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6 Accidental Release Measures

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Personal Precautions:

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.

Environmental Procedures

No data available.

Methods for cleaning up

No data available.

Spill Response:

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Remove all ignition sources such as flames, smoking materials, and electrical spark sources. Use only non-sparking tools. 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. Contain spill. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Cover spill area with a fire-extinguishing foam. An aqueous film forming foam (AFFF) is recommended. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available

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inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a toxic, corrosivity or flammability hazard. Collect as much of the spilled material as possible. Collect as much of the spilled material as possible using non-sparking tools. 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. Collect the resulting residue containing solution. Place in a metal container approved for transportation by appropriate authorities. Seal the container. Dispose of collected material as soon as possible.

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## 7 Handling and Storage

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### Storage Requirements:

Store in a cool place. Store in a dry place.

### Incompatible Materials:

Store away from acids;

Store away from heat;

Store out of direct sunlight.

Store away from oxidizing agents.

Sparks and/or Flames;

### Ventilation:

Keep container in well-ventilated area.

### Fire Prevention:

Ground containers securely when transferring contents. Wear low static or properly grounded shoes. Extremely flammable liquid and vapour.

### Explosion Prevention:

Keep away from heat, sparks, open flame, pilot lights and other sources of ignition.

### Static Prevention:

Avoid static discharge.

### Use Instructions:

Keep container tightly closed. Avoid contact with oxidizing agents.

Do not breathe vapours.

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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

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Indirect vented goggles;

Hand Protection:

Wear appropriate gloves when handling this material.

The following glove material(s) are recommended:

nitrile rubber;

polyvinyl alcohol;

fluoroelastomer

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:

Do not breathe vapours. Consult the current 3M Respirator Selection Guide for additional information or call 1-800-243-4630 (USA) or 1-800-267-4414 (Canada) for 3M technical assistance.

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.

Keep out of the reach of children.

Recommended Ventilation:

Use with appropriate local exhaust ventilation.

Provide appropriate local exhaust ventilation on open containers.

Use in an enclosed process area is recommended. Do not use in a confined area or areas with little or no air movement.

Provide ventilation adequate to maintain dust concentration below minimum explosive concentrations.

Ingredient Exposure Data

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NAPHTHA (PETROLEUM), SOLVENT-REFINED LIGHT (64741-84-0)

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.

POLYCHLOROPRENE (9010-98-4)

LD50 (rat, oral)

> 40 g/kg

LC50 (rat, inhalation/4 hours)

No data available.

Exposure Limits

No data available.

PHENOLIC POLYMER, NJTS# 04499600-6305 (Trade Secret)

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

METHYL ETHYL KETONE (78-93-3)  
LD50 (rat, oral) 484 mg/kg  
LD50 (dermal, rabbit) 6480 mg/kg  
LC50 (rat, inhalation/4 hours) 33,200 mg/m3  
Exposure Limits  
ACGIH: TWA 200 ppm  
ACGIH: STEL 300 ppm  
300 ppm ACGIH: STEL 300 ppm ACGIH: STEL; Category: 2-Butanone  
200 ppm ACGIH: TWA 200 ppm ACGIH: TWA; Category: 2-Butanone

TOLUENE (108-88-3)  
LD50 (rat, oral) 636 mg/kg  
LD50 (dermal, rabbit) 14100 uL/kg  
LC50 (rat, inhalation/4 hours) LC50 (female rat, inhalation/4 hours vapour):  
19.0 mg/l

Exposure Limits  
ACGIH: TWA 20 ppm  
CMRG: STEL 75 ppm (skin contact contributes to exposure)

MAGNESIUM OXIDE (1309-48-4)  
LD50 (rat, oral) No data available.  
LC50 (rat, inhalation/4 hours) No data available.  
Exposure Limits  
ACGIH: TWA 10 mg/m3; inhalable fraction 10 mg/m3 ACGIH: TWA; inhalable fraction

XYLENE (1330-20-7)  
LD50 (rat, oral) 3523 mg/kg  
LD50 (dermal, rabbit) > 1700 mg/kg  
LC50 (rat, inhalation/4 hours) 5000 ppm  
Exposure Limits  
ACGIH-TWA: 100 ppm  
ACGIH: STEL 150 ppm  
CMRG: TWA 50 ppm  
CMRG: STEL 75 ppm

ETHYLBENZENE (100-41-4)  
LD50 (rat, oral) 3500 mg/kg  
LD50 (dermal, rabbit) 17800 uL/kg  
LC50 (rat, inhalation/4 hours) No data available.  
Exposure Limits  
ACGIH: TWA 20 ppm  
CMRG: TWA 25 ppm  
CMRG: STEL 75 ppm

STYRENATED PHENOL (61788-44-1)  
Specific Ingredient Data  
No data available.  
LD50 (rat, oral) No data available.

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LC50 (rat, inhalation/4 hours)	No data available.
Exposure Limits	
No data available.	
ROSIN (8050-09-7)	
LD50 (rat, oral)	7600 mg/kg
LC50 (rat, inhalation/4 hours)	No data available.
Exposure Limits	
ACGIH: TWA 0 ppm Sensitizer;	
CARBON BLACK (1333-86-4)	
LD50 (rat, oral)	> 15400 mg/kg
LD50 (dermal, rabbit)	> 3 g/kg
LC50 (rat, inhalation/4 hours)	6750 mg/m3
Exposure Limits	
ACGIH: TWA 3.0 mg/m3 (Table A3)	
CMRG: TWA 0.5 mg/m3	
ZINC OXIDE (1314-13-2)	
Specific Ingredient Data	
No data available.	
LD50 (rat, oral)	No data available.
LC50 (rat, inhalation/4 hours)	No data available.
Exposure Limits	
ACGIH: TWA 2 mg/m3 (Respirable)	
ACGIH: STEL 10 mg/m3 (Respirable)	

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## 9 Physical and Chemical Properties

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Physical form, Color, Odour:	Liquid; Black; pungent Characteristic organic solvent odour;
Odour Threshold:	No data available.
pH:	Not applicable
Boiling point/boiling range:	64.4 - 87.2 C
Melting point/melting range:	Not Available
Vapour pressure:	120 mmHg at 20 C
Water Solubility:	Slight ( < 10 % )
Specific gravity:	0.9 Water=1
Vapour density:	3 Air=1
Volatile organic compounds:	61.5 % by weight CARB
Evaporation rate:	>= 3.6 Ether=1
Viscosity:	7500 - 9500 centipoise
Percent Volatile:	60.7 % by weight

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## 10 Stability and Reactivity

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### Conditions to Avoid:

Heat;

Store out of direct sunlight.

Sparks and/or Flames;

### Materials to Avoid:

Store away from acids;

Strong oxidizing agents;

### Hazardous Decomposition:

Carbon Monoxide;

Carbon Dioxide;

Toxic vapours, gases or particulates;

Hydrogen Chloride - 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:

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision. Prolonged or repeated exposure may cause: Ocular Effects: Signs/symptoms may include blurred or significantly impaired vision.

### Effects from Skin Contact:

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

### Effects from Inhalation:

Intentional concentration and inhalation may be harmful or fatal.

Respiratory Tract Irritation: 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: 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.

Chronic inhalation of toluene, xylene and hexane has been shown to cause hearing loss in laboratory animals.

Chronic inhalation of toluene has been shown to cause colour vision loss.

Acute inhalation of toluene has been shown to cause CNS and neurobehavioural 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.  
Chronic ingestion of toluene has been shown to cause hearing loss and altered immune function in laboratory animals.  
Acute ingestion of toluene has been shown to cause temporary visual dysfunction in laboratory animals.

**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 (1333-86-4) (IARC possible human carcinogen 2B)  
WARNING: Contains a chemical which can cause cancer. (CAS 100-41-4) (IARC possible human carcinogen 2B)

**Mutagenicity:**

Methyl ethyl ketone has been shown to cause mutagenic effects in yeast without metabolic activation in vitro.

**Reproductive Effects:**

Contains Methyl Ethyl Ketone (CAS# 78-93-3) which can cause birth defects or other reproductive harm.  
TOLUENE (108-88-3): can cause birth defects or other reproductive harm.  
High exposures to xylenes in some animal studies have been reported to cause health effects on the developing embryo/fetus. These effects were often at levels toxic to the mother. The significance of these findings to humans has not been determined.

**Component Based Information:**

Very toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

**Product Based Information:**

No data available.

**Other Effects & Information:**

Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.  
Prolonged or repeated exposure may cause:  
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.  
Peripheral Neuropathy: Signs/symptoms may include tingling or numbness of the extremities, incoordination, weakness of the hands and feet, tremors and muscle atrophy.  
Auditory Effects: Signs/symptoms may include hearing impairment, balance dysfunction and ringing in the ears.  
Olfactory Effects: Signs/symptoms may include decreased ability to

detect odors and/or complete loss of smell.

Toluene (108-88-3): is potentiated by acetylsalicylic acid to produce irreversible auditory damage in laboratory animals.

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## 12 Ecological Information

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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.

Other Effects and Information:

Product usages, or other lifecycle stages, are expected to release volatile organic compounds (VOCs) to the atmosphere. Regulations may restrict the release of VOCs because they contribute to the formation of ozone and smog. Regulatory definitions for VOC vary. Because of smog and other impacts, releases through evaporation or other means should be minimized to the extent possible.

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## 13 Disposal Considerations

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Product as Sold:

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.

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## 14 Transport Information

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### Transportation of Dangerous Goods

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TDG Classification:

Consumer Commodity

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:	B2, D2A, D2B
HMIRA Registry Number:	8486
Filing Date:	01/26/2012
Claim Status:	Claim for Exemption has been filed.

### 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:

TSCA - Toxic Substances Control Act (USA)

DSL - Domestic Substances List (Canada)

EINECS - European Inventory of Existing Commercial Chemical Substances

AICS - Australian Inventory of Chemical Substances

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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 8 - Exposure Controls/Personal Protection

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.

---End---