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**Material Safety Data Sheet**  
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1 Chemical Product and Company Identification  
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Tradename:  
3M BRAND SUPER WEATHERSTRIP ADHESIVE PN 80010  
Product ID:  
CS-0406-0271-9 CS-0406-1428-4 CS-0406-2167-7  
Intended Use of Product:  
Adhesive  
Division:  
3M CANADA COMPANY

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2 Composition/Information on Ingredients  
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Ingredient Name	CAS Number	Percentage
METHYL ETHYL KETONE	78-93-3	10 - 30
MIXED HEXANE ISOMERS	Mixture	10 - 30
NON-VOLATILE COMPONENTS	Trade Secret	10 30
PHENOLIC POLYMER (NJTSR# 04499600-6305)	Trade Secret	10 30
HEXANE	110-54-3	7 - 13
TOLUENE	108-88-3	5 - 10
NAPHTHA (PETROLEUM), SOLVENT-REFINED LIGHT	64741-84-0	3 - 7
MIXED HEPTANES	Mixture	3 7
CYCLOHEXANE	110-82-7	1 - 2

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ALKALINE METAL SALT	Trade Secret	0.1	1.0
WATER	7732-18-5	0.1	- 0.3

## NOTE:

NON-VOLATILE COMPONENTS is a non-hazardous Trade Secret material according to WHMIS criteria.

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

ALKALINE METAL SALT is a Trade Secret. Refer to section 15 for further information.

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

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### 3 Hazards Identification

## 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 through skin and cause target organ effects.

May be absorbed following inhalation and cause target organ effects.

May be absorbed following ingestion and cause target organ effects.

Peripheral Neuropathy: Signs/symptoms may include tingling or numbness of the extremities, incoordination, weakness of the hands and feet, tremors and muscle atrophy.

Fibrosis: Signs/symptoms can include breathlessness, chronic dry cough, phlegm production, wheezing, and changes in lung function tests.

TOLUENE (108-88-3): can cause birth defects or other reproductive harm.

See Sections 7 and 11 for further information.

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### 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. Wash affected area with soap and water for 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 breathing or the heart has stopped,

trained personnel should immediately begin artificial respiration (AR) or cardiopulmonary resuscitation (CPR) respectively. If signs/symptoms develop, get medical attention.

Instructions for Ingestion:

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

## 5 Fire Fighting Measures

Flash point:  $\diamond$  -21.1 C TCC

Lower Explosive Limit (%):  $\diamond$  1 %

Upper Explosive Limit (%):  $\diamond$  11.5 %

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:

Hydrocarbons - During Combustion;

Carbon monoxide - During Combustion;

Carbon dioxide - During Combustion;

Toxic Vapour, Gas, Particulate - During Combustion;

Unusual Fire and Explosion Hazards

None known.

Fire Fighting Procedures:

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

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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.

### 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 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 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:

No data available.

### Incompatible Materials:

Store away from heat;  
Store out of direct sunlight.  
Store away from acids;  
Store away from oxidizing agents.

### Ventilation:

Keep container in well-ventilated area.

### Fire Prevention:

Ground containers securely when transferring contents. Wear low

static or properly grounded shoes. No smoking while handling this material.

Explosion Prevention:

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

Static Prevention:

Avoid static discharge.

Use Instructions:

Contents may be under pressure, open carefully. Keep container tightly closed. 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 with vapours, mists, or spray.

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:

fluoroelastomer (Viton);

#### 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, mists or spray.

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.

Do not ingest.

#### Recommended Ventilation:

Provide appropriate local exhaust ventilation on open containers.

Do not use in a confined area or areas with little or no air movement.

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control mist, vapour, or spray. If ventilation is not

adequate, use respiratory protection equipment.

Ingredient Exposure Data

METHYL ETHYL KETONE (78-93-3)

LD50 (rat, oral)	2737 mg/kg
LD50 (dermal, rabbit)	6480 mg/kg
LC50 (rat, inhalation/4 hours)	47,000 mg/m3

Exposure Limits

ACGIH: STEL 885 mg/m3  
ACGIH: STEL 300 ppm  
ACGIH: TWA 590 mg/m3  
ACGIH: TWA 200 ppm

MIXED HEXANE ISOMERS (Mixture)

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.

NON-VOLATILE COMPONENTS (Trade Secret)

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

Exposure Limits

No data available.

PHENOLIC POLYMER (NJTSR# 04499600-6305) (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.

HEXANE (110-54-3)

LD50 (rat, oral)	28710 mg/kg
LC50 (rat, inhalation/4 hours)	48000 ppm

Exposure Limits

ACGIH: TWA 50 ppm (skin contact contributes to exposure)  
ACGIH: TWA 176 mg/m3 (skin contact contributes to exposure)

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 (Table A4)  
CMRG: STEL 75 ppm (Skin contact contributes to exposure)

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.

MIXED HEPTANES (Mixture)  
 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.

CYCLOHEXANE (110-82-7)  
 LD50 (rat, oral) 12,705 mg/kg  
 LC50 (rat, inhalation/4 hours) No data available.  
 Exposure Limits  
 ACGIH: TWA 100 ppm

ALKALINE METAL SALT (Trade Secret)  
 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) (Table A4)  
 CMRG: TWA 0.5 mg/m3 as respirable dust

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

## 9 Physical and Chemical Properties

Physical form,Color,Odour: Liquid; yellow; sweet petroleum odour;  
 Odour Threshold: No data available.  
 pH: Not Available  
 Boiling point/boiling range: 64.4 - 87.2 C  
 Melting point/melting range: Not applicable  
 Vapour pressure: <= 27 psi at 55 C  
 Water Solubility: Slight  
 Specific gravity: 0.876 Water=1  
 Vapour density: Not Available  
 Volatile organic compounds: Not Available  
 Evaporation rate: Not Available  
 Viscosity: 3995 - 6849.3 centistoke at 23 C

Percent Volatile: 63 % by weight

## 10 Stability and Reactivity

### Conditions to Avoid:

Heat;  
Store out of direct sunlight.

### Materials to Avoid:

Store away from acids;  
Store away from oxidizing agents.

### Hazardous Decomposition:

Hydrocarbons - During Combustion;  
Carbon monoxide - During Combustion;  
Carbon dioxide - During Combustion;  
Toxic Vapour, Gas, Particulate - 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.

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

May be absorbed through skin and cause target organ effects.

### Effects from Inhalation:

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.

### 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:

No data available.

### Mutagenicity:

Ingredients in the controlled product have been shown to cause mutagenic effects in animal cells, in vitro.

Ingredients in the controlled product have been shown to produce



mutagenic effects in yeast without metabolic activation, in vitro.

Reproductive Effects:

TOLUENE (108-88-3): can cause birth defects or other reproductive harm.

Animal studies with methyl ethyl ketone have shown fetal effects at maternally-toxic exposures. However, there is insufficient evidence to support fetal effects in the absence of maternal toxicity.

Component Based Information:

Peripheral Neuropathy: Signs/symptoms may include tingling or numbness of the extremities, incoordination, weakness of the hands and feet, tremors and muscle atrophy.

Chronic ingestion of an ingredient in the controlled product has been shown to cause hearing loss and altered immune function in laboratory animals.

Chronic inhalation of an ingredient in the controlled product has been shown to cause colour vision loss.

Chronic inhalation of an ingredient in the controlled product has been shown to cause hearing loss in laboratory animals.

Chronic exposure by inhalation to an ingredient in the controlled product has been shown to cause testicular damage in laboratory animals.

Fibrosis: Signs/symptoms can include breathlessness, chronic dry cough, phlegm production, wheezing, and changes in lung function tests.

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.

Central Neuropathy: Signs/symptoms may include irritability, memory impairment, personality changes, sleep disorders, and decreased ability to concentrate.

Liver Effects: Signs/symptoms may include loss of appetite, weight loss, fatigue, weakness, abdominal tenderness and jaundice.

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.

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



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### 15 Regulatory Information

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WHMIS Classification:	B2, D2A, D2B
HMIRC Registry Number:	7656
Filing Date:	12 May 2009
Claim Status:	Claim for Exemption is in process.

**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 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:  
Trade Secret information update/change.

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---