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Material Safety Data Sheet
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1 Chemical Product and Company Identification

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

2 Hazards Identification

Critical Hazards:
Flammable liquid and vapour.
Severe Eye Irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired 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.
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.

WARNING: Contains a chemical which can cause cancer. (CAS 100-41-4) (IARC possible human carcinogen 2B)
See Sections 7 and 11 for further information.

3 Composition/Information on Ingredients

Ingredient Name	CAS Number	Percentage
NAPHTHA (PETROLEUM), SOLVENT-REFINED LIGHT	64741-84-0	15 - 40
METHYL ETHYL KETONE	78-93-3	10 - 30
HEXANE	110-54-3	10 - 20
POLYCHLOROPRENE	9010-98-4	10 - 20
PHENOLIC FORMALDEHYDE RESIN	Trade Secret	10 - 20
HEPTANE	142-82-5	3 - 7
METHYLCYCLOPENTANE	96-37-7	3 - 7
TOLUENE	108-88-3	3 - 7
MAGNESIUM OXIDE	1309-48-4	3 - 7
2-METHYLPENTANE	107-83-5	1 - 5
3-METHYLPENTANE	96-14-0	1 - 5
CYCLOHEXANE	110-82-7	1 - 2
XYLENE	1330-20-7	0.1 - 0.9
ROSIN	8050-09-7	0.1 - 0.7
ETHYLBENZENE	100-41-4	0.1 - 0.2

NOTE:

PHENOLIC FORMALDEHYDE RESIN 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.

4 First Aid Measures

Instructions for Eye Contact:

Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. Get medical attention.

Instructions for Skin Contact:

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.


Instructions for Inhalation:

Remove person to fresh air. If you feel unwell, get medical attention.

Instructions for Ingestion:

Rinse mouth. If you feel unwell, get medical attention.

5 Fire Fighting Measures

Flash point:  -21.1 C TCC
Lower Explosive Limit (%): 1 %
Upper Explosive Limit (%): 11.5 %
Autoignition temperature: Not Available

Suitable Extinguishing Media:

In case of fire: Use a fire fighting agent suitable for flammable liquids and solids such as dry chemical or 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:

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

Unusual Fire and Explosion Hazards

Extremely flammable liquid and vapour.

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.

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.

6 Accidental Release Measures

Personal Precautions:

Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. 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. Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

Environmental Procedures

Avoid release to the environment. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

Methods for cleaning up

Contain spill. Cover spill area with a fire-extinguishing foam. An appropriate 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 physical, health, or environmental hazard. Collect as much of the spilled material as possible using non-sparking tools. Place in a metal container approved for transportation by appropriate authorities. 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. Seal the container. Dispose of collected material as soon as possible.

7 Handling and Storage

Storage Requirements:

Store in a well-ventilated place. Keep cool.

Incompatible Materials:

Store away from heat;
Store away from acids;
Sparks and/or Flames;
Store away from oxidizing agents. Light;

Ventilation:

Keep container in well-ventilated area.

Fire Prevention:

Flammable liquid and vapour. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Wear low static or properly grounded shoes. To minimize the risk of

ignition, determine applicable electrical classifications for the process using this product and select specific local exhaust ventilation equipment to avoid flammable vapour accumulation.

Explosion Prevention:

Take precautionary measures against static discharge. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.)

Use Instructions:

For industrial or professional use only. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Use personal protective equipment (gloves, respirators, etc.) as required. Keep container tightly closed.

Special Instructions:

Ground/bond container and receiving equipment if there is potential for static electricity accumulation during transfer.

8 Exposure Controls/Personal Protection

Personal Protection

Eye Protection:

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/ethylene vinyl alcohol;

Skin Protection:

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.

The following protective clothing material(s) are recommended:

Apron - Polyethylene/ethylene vinyl alcohol

Respiratory Protection:

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 general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment. Use explosion-proof ventilation equipment.

Ingredient Exposure Data

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.

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

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: 50 ppm (skin contact contributes to exposure)
Category: Hexane

POLYCHLOROPRENE (9010-98-4)
LD50 (rat, oral) > 40 g/kg
LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits
No data available.

PHENOLIC FORMALDEHYDE RESIN (Trade Secret)
LD50 (rat, oral) No data available.
LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits
No data available.

HEPTANE (142-82-5)
LD50 (rat, oral) > 15000 mg/kg
LC50 (rat, inhalation/4 hours) 103 g/m3
Exposure Limits
ACGIH-TWA: 400 ppm
ACGIH-TWA: 400 ppm Category: (Heptane)
ACGIH-TWA: 400 ppm Category: Heptane, all isomers
ACGIH: STEL 500 ppm

ACGIH: STEL 500 ppm Category: (Heptane)
ACGIH: STEL 500 ppm Category: Heptane, all isomers
METHYLCYCLOPENTANE (96-37-7)
LD50 (rat, oral) No data available.
LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits
No data available.

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

2-METHYLPENTANE (107-83-5)
Specific Ingredient Data
No data available.
LD50 (rat, oral) No data available.
LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits
ACGIH: TWA 500 ppm Category: HEXANE (ISOMERS OTHER THAN N-HEXANE)
ACGIH: STEL 1000 ppm Category: HEXANE (ISOMERS OTHER THAN N-HEXANE)
1000 ppm ACGIH: STEL 1000 ppm ACGIH: STEL; Category: HEXANE
(ISOMERS OTHER THAN N-HEXANE) 500 ppm ACGIH: TWA 500 ppm ACGIH:
TWA; Category: HEXANE (ISOMERS OTHER THAN N-HEXANE)

3-METHYLPENTANE (96-14-0)
Specific Ingredient Data
No data available.
LD50 (rat, oral) No data available.
LC50 (rat, inhalation/4 hours) No data available.
Exposure Limits
ACGIH: TWA 500 ppm Category: HEXANE (ISOMERS OTHER THAN N-HEXANE)
ACGIH: STEL 1000 ppm Category: HEXANE (ISOMERS OTHER THAN N-HEXANE)
1000 ppm ACGIH: STEL 1000 ppm ACGIH: STEL; Category: HEXANE
(ISOMERS OTHER THAN N-HEXANE) 500 ppm ACGIH: TWA 500 ppm ACGIH:
TWA; Category: HEXANE (ISOMERS OTHER THAN N-HEXANE)

CYCLOHEXANE (110-82-7)
LD50 (rat, oral) 12,705 mg/kg
LC50 (rat, inhalation/4 hours) 13.9 mg/l
Exposure Limits
ACGIH-TWA: 100 ppm

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	
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;
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	

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 Available
Vapour pressure:	<= 27 psi at 55 C
Water Solubility:	Slight
Partition coefficient (K o/w):	Not Available
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;
- Sparks and/or Flames;
- Light;

Materials to Avoid:

Strong oxidizing agents;
Strong acids;

Hazardous Decomposition:

Aldehydes - During Combustion;
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. This material may be reactive with certain agents under certain conditions - see the remaining headings in this section.

11 Toxicological Information

Effects from Eye Contact:

Severe Eye Irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and 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:

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:

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

Mutagenicity:

No data available.

Reproductive Effects:

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:

No data available.

Product Based Information:

No data available.

Other Effects & Information:

Single exposure may cause:

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:

Ocular Effects: Signs/symptoms may include blurred or significantly impaired vision.

Auditory Effects: Signs/symptoms may include hearing impairment, balance dysfunction and ringing in the ears.

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

Olfactory Effects: Signs/symptoms may include decreased ability to detect odors and/or complete loss of smell.

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.

12 Ecological Information

Environmental Data:

Ecotoxicity Data:

Not determined.

Ecofate Data:

Not determined.

13 Disposal Considerations

Product as Sold:

No data available.

Product Packaging:

No data available.

Special Instructions:

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

14 Transport Information

Transportation of Dangerous Goods

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.

15 Regulatory Information

WHMIS Classification: B2, 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:

AICS - Australian Inventory of Chemical Substances

DSL - Domestic Substances List (Canada)

EINECS - European Inventory of Existing Commercial Chemical Substances

KECI - Korean Existing Chemicals Inventory

PICCS - Philippines Inventory of Commercial Chemical Substances

TSCA - Toxic Substances Control Act (USA)

CICS - Chinese Inventory of Chemical Substances

16 Other Information

Reason for Reissue:

The following Sections and topics have been updated or revised:

Section 2 - Hazards Identification - Critical Hazards

Section 4 - First Aid Measures

Section 6 - Accidental Release Measures

Section 7 - Handling and Storage

Section 8 - Exposure Controls/Personal Protection

Section 11 - Toxicological Information;

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---