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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) SAFETY-WALK(TM) BRAND EDGE SEALING COMPOUND

Product ID:

62-5569-2660-8 70-0705-4946-7 62-5569-2625-1 62-5569-2665-7  
 XT-0006-3136-3 XT-0007-0612-4

Intended Use of Product:

Sealant

Division:

INDUSTRIAL ADHESIVES AND TAPES

**APPROVED MATERIAL**

APR 25 2013

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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.

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

See Sections 7 and 11 for further information.

MSDS # 10083

APPROVED BY [Signature]

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 3 Composition/Information on Ingredients
 

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Ingredient Name	CAS Number	Percentage
POLY(BUTYL METHACRYLATE)	9003-63-8	40 - 50
HYDROTREATED LIGHT NAPHTHA (PETROLEUM)	64742-49-0	30 - 60
TOLUENE	108-88-3	7 - 13
N-BUTYL METHACRYLATE	97-88-1	1 - 2.5

## NOTE:

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:	<input type="checkbox"/> 4.4 C
Lower Explosive Limit (%):	<input type="checkbox"/> 1 % by volume
Upper Explosive Limit (%):	<input type="checkbox"/> 7 % 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:

Aldehydes - During Combustion;  
 Hydrocarbons - During Combustion;  
 Carbon monoxide - During Combustion;  
 Carbon dioxide - During Combustion;  
 Ketones - During Combustion;

Unusual Fire and Explosion Hazards

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. 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.

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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. 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. Remember, adding an absorbent material does not remove a toxic, corrosivity or flammability hazard.

Environmental Procedures

For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Collect the resulting residue containing solution. Place in a metal container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

Methods for cleaning up

Contain spill. Cover spill area with a fire-extinguishing foam. An aqueous film forming foam (AFFF) is recommended. Working from

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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. 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. Seal the container.

Special Instructions:

~~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:

No data available.

Incompatible Materials:

Store away from heat;  
 Sparks and/or Flames;  
 Store out of direct sunlight.  
 Store away from acids;  
 Store away from oxidizing agents.

Ventilation:

Keep container in well-ventilated area.

Fire Prevention:

Combustible liquid and vapour.  
 No smoking while handling this material.

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.

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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

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Indirect vented goggles;

Hand Protection:

Wear appropriate gloves when handling this material.  
 The following glove material(s) are recommended:  
 polyvinyl alcohol;

polyethylene/ethylene vinyl 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, mists or spray.

Do not breathe 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 vapour cartridges.

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 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.

Ingredient Exposure Data

POLY(BUTYL METHACRYLATE) (9003-63-8)

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.

HYDROTREATED LIGHT NAPHTHA (PETROLEUM) (64742-49-0)

Specific Ingredient Data

No data available.

LD50 (rat, oral)

No data available.

LC50 (rat, inhalation/4 hours)

No data available.

Exposure Limits

CMRG: TWA 50 ppm

TOLUENE (108-88-3)

LD50 (rat, oral)

636 mg/kg

LD50 (dermal, rabbit)

14100 uL/kg

LC50 (rat, inhalation/4 hours)

LC50 (female rat,

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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)

N-BUTYL METHACRYLATE (97-88-1)

Specific Ingredient Data

LD50 (rabbit, dermal): 11.3 ml/kg  
 LC50 (male rat, 4 hours): 4910 ppm  
 LD50 (rat, oral) 97 g/kg  
 LC50 (rat, inhalation/4 hours) 4910 ppm  
 Exposure Limits  
 CMRG: STEL 75 ppm  
 CMRG: TWA 50 ppm 75 ppm CMRG: STEL 50 ppm CMRG: TWA

## 9 Physical and Chemical Properties

Physical form, Color, Odour:	Liquid; Clear; Naphtha odour;
Odour Threshold:	No data available.
pH:	Not Available
Boiling point/boiling range:	111.1 C (Toluene)
Melting point/melting range:	Not Available
Vapour pressure:	25.19 mmHg at 20 C
Water Solubility:	No data available.
Specific gravity:	<input type="checkbox"/> 0.88 Water=1
Vapour density:	<input type="checkbox"/> 3 Air=1
Volatile organic compounds:	519 gms/liter (EU VOC content)
Evaporation rate:	>= 2 Ether=1
Viscosity:	5700 - 6600 centipoise
Percent Volatile:	55 - 65 % by weight

## 10 Stability and Reactivity

Conditions to Avoid:  
 Store away from heat;  
 Store out of direct sunlight.  
 Sparks and/or Flames;

Materials to Avoid:  
 Store away from acids;  
 Strong oxidizing agents;

Hazardous Decomposition:  
 Aldehydes - During Combustion;  
 Hydrocarbons - During Combustion;  
 Carbon monoxide - During Combustion;  
 Carbon dioxide - During Combustion;  
 Ketones - During Combustion;

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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.  
 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:

~~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.

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:

No data available.

Reproductive Effects:

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

Component Based Information:

No data available.

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:

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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.

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:

Not determined.  
Ecofate Data:  
Not determined.

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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: 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

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)

CICS - Chinese Inventory of Chemical Substances

EINECS - European Inventory of Existing Commercial Chemical  
Substances

KECI - Korean Existing Chemicals Inventory



MITI - Ministry of International Trade and Industry (JAPAN)  
PICCS - Philippines Inventory of Commercial Chemical Substances  
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:

Added product id(s) to the MSDS;

Revised Intended Use of Product

Section 2 - Hazards Identification - Critical Hazards;

Section 3 - Composition/Information on Ingredients;

Section 5 - Fire Fighting Measures

Section 6 - Accidental Release Measures;

Section 7 - Handling and Storage;

Section 8 - Exposure Controls/Personal Protection;

Section 9 - Physical and Chemical Properties;

Section 10 - Stability and Reactivity;

Section 11 - Toxicological Information;

Section 13 - Disposal Considerations;

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

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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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