



## Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the Canadian Hazardous Products Regulations.

### SECTION 1: Identification

#### 1.1. Product identifier

3M(TM) POLYURETHANE ADHESIVE SEALANT 560, WHITE, GRAY, BLACK

##### Product Identification Numbers

62-5487-3430-0	62-5487-3435-9	62-5487-3530-7	62-5487-3531-5	62-5487-3532-3
62-5487-3535-6	62-5487-3930-9	62-5487-3931-7	62-5487-3932-5	62-5487-3935-8
62-5487-3936-6	62-5487-3937-4	62-5487-5230-2	62-5487-5231-0	62-5487-5232-8
62-5487-5235-1	62-5487-5236-9	62-5487-5237-7	62-5487-5238-5	62-5487-8530-2
62-5487-8531-0	62-5487-8532-8	62-5487-8536-9	62-5487-9530-1	62-5487-9531-9
62-5488-3430-8	62-5488-3435-7	62-5488-3530-5	62-5488-3531-3	62-5488-3532-1
62-5488-3930-7	62-5488-3931-5	62-5488-3932-3	62-5488-5230-0	62-5488-5231-8
62-5488-5232-6	62-5488-5235-9	62-5488-5236-7	62-5488-5237-5	62-5488-5238-3
62-5488-8531-8	62-5488-8536-7	62-5488-9530-9	62-5488-9531-7	62-5495-3430-3
62-5495-3435-2	62-5495-3530-0	62-5495-3531-8	62-5495-3532-6	62-5495-3930-2
62-5495-3931-0	62-5495-3932-8	62-5495-3933-6	62-5495-5230-5	62-5495-5231-3
62-5495-5232-1	62-5495-5235-4	62-5495-5236-2	62-5495-5237-0	62-5495-5238-8
62-5495-5239-6	62-5495-8530-5	62-5495-8531-3	62-5495-8536-2	62-5495-9530-4
62-5495-9531-2	DE-2729-2774-5	DE-2729-2775-2	DE-2729-2778-6	DE-2729-2779-4
DE-2729-2782-8	DE-2729-2783-6	DE-2729-2786-9	DE-2729-2787-7	DS-2729-9110-2
DS-2729-9111-0	FI-3000-0085-3	FI-3000-0089-5	FI-3000-0091-1	FI-3000-0147-1
FI-3000-0168-7	FI-3000-0169-5	FI-3000-0170-3	FI-3000-0171-1	FI-3000-0172-9
GT-5000-9019-3	GT-5000-9020-1	GT-5000-9021-9	GT-5000-9022-7	HB-0040-9061-7
HB-0040-9123-5	HB-0040-9993-1	HB-0040-9994-9	HB-0040-9995-6	HB-0040-9996-4
HB-0040-9997-2	HB-0040-9998-0	HB-0040-9999-8	HB-0041-0127-3	HB-0041-5633-5
HB-0041-5634-3	HB-0041-5635-0	HB-0041-5743-2	HB-0041-5744-0	HB-0041-5747-3
HB-0041-5748-1	HB-0041-5749-9	HB-0041-6485-9	KS-9990-0658-2	KS-9990-0659-0
KS-9990-0660-8	KS-9990-0661-6	KS-9990-0662-4	XA-0092-0992-6	

#### 1.2. Recommended use and restrictions on use

##### Intended Use

Sealant

##### Specific Use

One component, moisture curing product which forms permanent elastic bonds.

##### Restrictions on use

Not applicable

### 1.3. Supplier's details

**Company:** 3M Canada Company  
**Division:** Industrial Adhesives and Tapes Division  
**Address:** 1840 Oxford Street East, Post Office Box 5757, London, Ontario N6A 4T1  
**Telephone:** (800) 364-3577  
**Website:** www.3M.ca

### 1.4. Emergency telephone number

Medical Emergency Telephone: 1-800-3M HELPS / 1-800-364-3577; Transportation Emergency Telephone (CANUTEC): (613) 996-6666

## SECTION 2: Hazard identification

### 2.1. Classification of the substance or mixture

Respiratory Sensitizer: Category 1.  
Skin Sensitizer: Category 1.  
Carcinogenicity: Category 2.  
Specific Target Organ Toxicity (single exposure): Category 1.  
Specific Target Organ Toxicity (repeated exposure): Category 1.

### 2.2. Label elements

#### Signal word

Danger

#### Symbols

Exclamation mark | Health Hazard |

#### Pictograms



#### Hazard statements

May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Suspected of causing cancer.

Causes damage to organs: sensory organs |

Causes damage to organs through prolonged or repeated exposure: nervous system |

May cause damage to organs through prolonged or repeated exposure: sensory organs |

#### Precautionary statements

##### Prevention:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray. In case of inadequate ventilation wear respiratory protection. Wear protective gloves. Do not eat, drink or smoke when using this product. Wash exposed skin thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

##### Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a

**3M(TM) POLYURETHANE ADHESIVE SEALANT 560, WHITE, GRAY, BLACK**

POISON CENTRE or doctor/physician. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. IF exposed or concerned: Get medical advice/attention.

**Storage:**

Store locked up.

**Disposal:**

Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

**2.3. Other hazards**

None known.

**SECTION 3: Composition/information on ingredients**

This material is a mixture.

Ingredient	C.A.S. No.	% by Wt	Common Name
Urethane Polymer	Trade Secret	30 - 40	Not Applicable
Plasticizer	70775-94-9	10 - 35	Sulfonic acids, C10-18-alkane, Ph esters
Poly(Vinyl Chloride) Polymer	9002-86-2	20 - 30	Ethene, chloro-, homopolymer
Xylene	1330-20-7	1 - 7 Trade Secret *	Dimethylbenzene
Amorphous Silica	67762-90-7	1 - 5	Siloxanes and Silicones, di-Me, reaction products with silica
Titanium Dioxide	13463-67-7	< 5	Titanium oxide (TiO <sub>2</sub> )
Calcium Oxide	1305-78-8	< 3	Calcium oxide (CaO)
Ethylbenzene	100-41-4	< 2	Benzene, ethyl-
Petroleum Distillates	64742-47-8	< 2	No Data Available
p,p'-Methylenebis(phenyl isocyanate)	101-68-8	0.1 - 1 Trade Secret *	Benzene, 1,1'-methylenebis[4-isocyanato-
Carbon Black	1333-86-4	< 0.3	Carbon black
Bis(1,2,2,6,6-pentamethyl-4-piperidiny) sebacate	41556-26-7	< 0.1	Decanedioic acid, bis(1,2,2,6,6-pentamethyl-4-piperidiny) ester

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

Carbon Black is a hazardous Trade Secret material according to WHMIS criteria. Refer to Section 15 for further information.

Titanium Dioxide is a hazardous Trade Secret material according to WHMIS criteria. Refer to Section 15 for further information.

Ethylbenzene is a hazardous Trade Secret material according to WHMIS criteria. Refer to Section 15 for further information.

\*The actual concentration of this ingredient has been withheld as a trade secret.

**SECTION 4: First aid measures****4.1. Description of first aid measures****Inhalation:**

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

**Skin Contact:**

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

**Eye Contact:**

Immediately flush with large amounts of water for at least 15 minutes. Remove contact lenses if easy to do. Continue rinsing. Immediately get medical attention.

**If Swallowed:**

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

**4.2. Most important symptoms and effects, both acute and delayed**

Allergic respiratory reaction (difficulty breathing, wheezing, cough, and tightness of chest). Allergic skin reaction (redness, swelling, blistering, and itching). Target organ effects. See Section 11 for additional details. Target organ effects following prolonged or repeated exposure. See Section 11 for additional details.

**4.3. Indication of any immediate medical attention and special treatment required**

Not applicable

**SECTION 5: Fire-fighting measures**

**5.1. Suitable extinguishing media**

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

**5.2. Special hazards arising from the substance or mixture**

None inherent in this product.

**Hazardous Decomposition or By-Products**

**Substance**

Carbon monoxide  
Carbon dioxide  
Hydrogen Chloride  
Hydrogen Cyanide  
Oxides of Nitrogen  
Oxides of Sulfur

**Condition**

During Combustion  
During Combustion  
During Combustion  
During Combustion  
During Combustion  
During Combustion

**5.3. Special protective actions for fire-fighters**

Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA). Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

**6.2. Environmental precautions**

Avoid release to the environment.

**6.3. Methods and material for containment and cleaning up**

Collect as much of the spilled material as possible. Place in a container approved for transportation by appropriate authorities, but do not seal the container for 48 hours to avoid pressure build-up. Clean up residue. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/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.

**7.2. Conditions for safe storage including any incompatibilities**

Keep container tightly closed to prevent contamination with water or air. If contamination is suspected, do not reseal container. Store away from heat. Store away from amines.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Occupational exposure limits**

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

<b>Ingredient</b>	<b>C.A.S. No.</b>	<b>Agency</b>	<b>Limit type</b>	<b>Additional Comments</b>
Ethylbenzene	100-41-4	ACGIH	TWA:20 ppm	
p,p'-Methylenebis(phenyl isocyanate)	101-68-8	ACGIH	TWA:0.005 ppm	
Calcium Oxide	1305-78-8	ACGIH	TWA:2 mg/m3	
Xylene	1330-20-7	ACGIH	TWA:100 ppm;STEL:150 ppm	
Carbon Black	1333-86-4	ACGIH	TWA(inhalable fraction):3 mg/m3	
Titanium Dioxide	13463-67-7	ACGIH	TWA:10 mg/m3	
Kerosine (petroleum)	64742-47-8	ACGIH	TWA(as total hydrocarbon vapor, non-aerosol):200 mg/m3	SKIN
Poly(Vinyl Chloride) Polymer	9002-86-2	ACGIH	TWA(respirable fraction):1 mg/m3	

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

**8.2. Exposure controls**

**8.2.1. Engineering controls**

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/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

**8.2.2. Personal protective equipment (PPE)**

**Eye/face protection**

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:

Safety Glasses with side shields

**Skin/hand protection**

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective

clothing. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity. Gloves made from the following material(s) are recommended: Fluoroelastomer  
Polymer laminate

If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary. Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended: Apron - polymer laminate

### Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapours and particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Physical state</b>	Solid
<b>Specific Physical Form:</b>	Paste
<b>Colour</b>	Multicolour
<b>Odour</b>	Mild Xylene
<b>Odour threshold</b>	<i>No Data Available</i>
<b>pH</b>	<i>Not Applicable</i>
<b>Melting point/Freezing point</b>	<i>No Data Available</i>
<b>Boiling point</b>	$\geq 137$ °C
<b>Flash Point</b>	No flash point
<b>Evaporation rate</b>	<i>No Data Available</i>
<b>Flammability (solid, gas)</b>	Not Classified
<b>Flammable Limits(LEL)</b>	<i>Not Applicable</i>
<b>Flammable Limits(UEL)</b>	<i>Not Applicable</i>
<b>Vapour Pressure</b>	<i>Not Applicable</i>
<b>Vapour Density and/or Relative Vapour Density</b>	<i>Not Applicable</i>
<b>Density</b>	1.17 g/ml
<b>Relative density</b>	1.17 [Ref Std:WATER=1]
<b>Water solubility</b>	Nil
<b>Solubility- non-water</b>	<i>No Data Available</i>
<b>Partition coefficient: n-octanol/ water</b>	<i>No Data Available</i>
<b>Autoignition temperature</b>	$\geq 200$ °C
<b>Decomposition temperature</b>	<i>No Data Available</i>
<b>Viscosity/Kinematic Viscosity</b>	$\geq 300,000$ mPa-s [ @ 23 °C ]
<b>Volatile Organic Compounds</b>	<i>No Data Available</i>
<b>Percent volatile</b>	<i>No Data Available</i>
<b>VOC Less H2O &amp; Exempt Solvents</b>	56 g/l [Test Method: tested per EPA method 24]
<b>Molecular weight</b>	<i>No Data Available</i>
<b>Solids Content</b>	$> 95$ %

### Nanoparticles

This material contains nanoparticles.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

Stable.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Heat

### 10.5. Incompatible materials

Amines  
Alcohols  
Water

### 10.6. Hazardous decomposition products

<u>Substance</u>	<u>Condition</u>
None known.	

Refer to section 5.2 for hazardous decomposition products during combustion.

## SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

### 11.1. Information on Toxicological effects

#### Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

#### Inhalation:

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. Allergic Respiratory Reaction: Signs/symptoms may include difficulty breathing, wheezing, cough, and tightness of chest. May cause additional health effects (see below).

#### Skin Contact:

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

#### Eye Contact:

Contact with the eyes during product use is not expected to result in significant irritation.

#### Ingestion:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea. May cause additional health effects (see below).

**Additional Health Effects:**

**Single exposure may cause target organ effects:**

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

**Prolonged or repeated exposure may cause target organ effects:**

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

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.

**Carcinogenicity:**

Contains a chemical or chemicals which can cause cancer.

Ingredient	CAS No.	Class Description	Regulation
Carbon black	1333-86-4	Grp. 2B: Possible human carc.	International Agency for Research on Cancer
Ethylbenzene	100-41-4	Grp. 2B: Possible human carc.	International Agency for Research on Cancer
Titanium dioxide	13463-67-7	Grp. 2B: Possible human carc.	International Agency for Research on Cancer

**Additional Information:**

Persons previously sensitized to isocyanates may develop a cross-sensitization reaction to other isocyanates.

**Toxicological Data**

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

**Acute Toxicity**

Name	Route	Species	Value
Overall product	Dermal		No data available; calculated ATE >5,000 mg/kg
Overall product	Inhalation-Vapor(4 hr)		No data available; calculated ATE >50 mg/l
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
Plasticizer	Dermal	Rat	LD50 > 1,000 mg/kg
Plasticizer	Ingestion	Rat	LD50 > 5,000 mg/kg
Poly(Vinyl Chloride) Polymer	Dermal		LD50 estimated to be > 5,000 mg/kg
Poly(Vinyl Chloride) Polymer	Ingestion		LD50 estimated to be > 5,000 mg/kg
Xylene	Dermal	Rabbit	LD50 > 4,200 mg/kg
Xylene	Inhalation-Vapor (4 hours)	Rat	LC50 29 mg/l
Xylene	Ingestion	Rat	LD50 3,523 mg/kg
Titanium Dioxide	Dermal	Rabbit	LD50 > 10,000 mg/kg
Titanium Dioxide	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 6.82 mg/l
Titanium Dioxide	Ingestion	Rat	LD50 > 10,000 mg/kg
Calcium Oxide	Ingestion	Rat	LD50 > 2,500 mg/kg
Calcium Oxide	Dermal	similar compounds	LD50 > 2,500 mg/kg
Amorphous Silica	Dermal	Rabbit	LD50 > 5,000 mg/kg
Amorphous Silica	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 0.691 mg/l
Amorphous Silica	Ingestion	Rat	LD50 > 5,110 mg/kg
Petroleum Distillates	Inhalation-Vapor	Professional judgement	LC50 estimated to be 20 - 50 mg/l
Petroleum Distillates	Dermal	Rabbit	LD50 > 5,000 mg/kg
Petroleum Distillates	Ingestion	Rat	LD50 > 5,000 mg/kg
Ethylbenzene	Dermal	Rabbit	LD50 15,433 mg/kg



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Ethylbenzene	Inhalation-Vapor (4 hours)	Rat	LC50 17.4 mg/l
Ethylbenzene	Ingestion	Rat	LD50 4,769 mg/kg
p,p'-Methylenebis(phenyl isocyanate)	Dermal	Rabbit	LD50 > 5,000 mg/kg
p,p'-Methylenebis(phenyl isocyanate)	Inhalation-Dust/Mist (4 hours)	Rat	LC50 0.368 mg/l
p,p'-Methylenebis(phenyl isocyanate)	Ingestion	Rat	LD50 31,600 mg/kg
Carbon Black	Dermal	Rabbit	LD50 > 3,000 mg/kg
Carbon Black	Ingestion	Rat	LD50 > 8,000 mg/kg
Bis(1,2,2,6,6-pentamethyl-4-piperidiny) sebacate	Dermal	Professional judgement	LD50 estimated to be 2,000 - 5,000 mg/kg
Bis(1,2,2,6,6-pentamethyl-4-piperidiny) sebacate	Ingestion	Rat	LD50 3,125 mg/kg

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

Name	Species	Value
Poly(Vinyl Chloride) Polymer	Professional judgement	No significant irritation
Xylene	Rabbit	Mild irritant
Titanium Dioxide	Rabbit	No significant irritation
Calcium Oxide	Human	Corrosive
Amorphous Silica	Rabbit	No significant irritation
Petroleum Distillates	Rabbit	Mild irritant
Ethylbenzene	Rabbit	Mild irritant
p,p'-Methylenebis(phenyl isocyanate)	official classification	Irritant
Carbon Black	Rabbit	No significant irritation
Bis(1,2,2,6,6-pentamethyl-4-piperidiny) sebacate	Rabbit	Minimal irritation

**Serious Eye Damage/Irritation**

Name	Species	Value
Overall product	Rabbit	Mild irritant
Xylene	Rabbit	Mild irritant
Titanium Dioxide	Rabbit	No significant irritation
Calcium Oxide	Rabbit	Corrosive
Amorphous Silica	Rabbit	No significant irritation
Petroleum Distillates	Rabbit	Mild irritant
Ethylbenzene	Rabbit	Moderate irritant
p,p'-Methylenebis(phenyl isocyanate)	official classification	Severe irritant
Carbon Black	Rabbit	No significant irritation
Bis(1,2,2,6,6-pentamethyl-4-piperidiny) sebacate	Rabbit	Mild irritant

**Skin Sensitization**

Name	Species	Value
Titanium Dioxide	Human and animal	Not classified
Amorphous Silica	Human and animal	Not classified
Petroleum Distillates	Guinea pig	Not classified
Ethylbenzene	Human	Not classified

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p,p'-Methylenebis(phenyl isocyanate)	official classification	Sensitizing
Bis(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate	Guinea pig	Sensitizing

**Respiratory Sensitization**

Name	Species	Value
p,p'-Methylenebis(phenyl isocyanate)	Human	Sensitizing

**Germ Cell Mutagenicity**

Name	Route	Value
Poly(Vinyl Chloride) Polymer	In Vitro	Not mutagenic
Xylene	In Vitro	Not mutagenic
Xylene	In vivo	Not mutagenic
Titanium Dioxide	In Vitro	Not mutagenic
Titanium Dioxide	In vivo	Not mutagenic
Calcium Oxide	In Vitro	Not mutagenic
Amorphous Silica	In Vitro	Not mutagenic
Petroleum Distillates	In Vitro	Not mutagenic
Petroleum Distillates	In vivo	Not mutagenic
Ethylbenzene	In vivo	Not mutagenic
Ethylbenzene	In Vitro	Some positive data exist, but the data are not sufficient for classification
p,p'-Methylenebis(phenyl isocyanate)	In Vitro	Some positive data exist, but the data are not sufficient for classification
Carbon Black	In Vitro	Not mutagenic
Carbon Black	In vivo	Some positive data exist, but the data are not sufficient for classification
Bis(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate	In vivo	Not mutagenic
Bis(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate	In Vitro	Some positive data exist, but the data are not sufficient for classification

**Carcinogenicity**

Name	Route	Species	Value
Poly(Vinyl Chloride) Polymer	Not Specified	Rat	Some positive data exist, but the data are not sufficient for classification
Xylene	Dermal	Rat	Not carcinogenic
Xylene	Ingestion	Multiple animal species	Not carcinogenic
Xylene	Inhalation	Human	Some positive data exist, but the data are not sufficient for classification
Titanium Dioxide	Ingestion	Multiple animal species	Not carcinogenic
Titanium Dioxide	Inhalation	Rat	Carcinogenic
Amorphous Silica	Not Specified	Mouse	Some positive data exist, but the data are not sufficient for classification
Petroleum Distillates	Not Specified	Not available	Not carcinogenic
Ethylbenzene	Inhalation	Multiple animal species	Carcinogenic
p,p'-Methylenebis(phenyl isocyanate)	Inhalation	Rat	Some positive data exist, but the data are not sufficient for classification
Carbon Black	Dermal	Mouse	Not carcinogenic
Carbon Black	Ingestion	Mouse	Not carcinogenic
Carbon Black	Inhalation	Rat	Carcinogenic

**Reproductive Toxicity**

**Reproductive and/or Developmental Effects**

Name	Route	Value	Species	Test result	Exposure Duration
Poly(Vinyl Chloride) Polymer	Not Specified	Not classified for development	Mouse	NOAEL Not available	during gestation
Xylene	Inhalation	Not classified for female reproduction	Human	NOAEL Not available	occupational exposure
Xylene	Ingestion	Not classified for development	Mouse	NOAEL Not available	during organogenesis
Xylene	Inhalation	Not classified for development	Multiple animal species	NOAEL Not available	during gestation
Amorphous Silica	Ingestion	Not classified for female reproduction	Rat	NOAEL 509 mg/kg/day	1 generation
Amorphous Silica	Ingestion	Not classified for male reproduction	Rat	NOAEL 497 mg/kg/day	1 generation
Amorphous Silica	Ingestion	Not classified for development	Rat	NOAEL 1,350 mg/kg/day	during organogenesis
Petroleum Distillates	Not Specified	Not classified for female reproduction	Rat	NOAEL Not available	1 generation
Petroleum Distillates	Not Specified	Not classified for male reproduction	Rat	NOAEL Not available	1 generation
Petroleum Distillates	Not Specified	Not classified for development	Rat	NOAEL Not available	1 generation
Ethylbenzene	Inhalation	Not classified for development	Rat	NOAEL 4.3 mg/l	premating & during gestation
p,p'-Methylenebis(phenyl isocyanate)	Inhalation	Not classified for development	Rat	NOAEL 0.004 mg/l	during organogenesis
Bis(1,2,2,6,6-pentamethyl-4-piperidiny) sebacate	Ingestion	Not classified for male reproduction	Rat	NOAEL 1,493 mg/kg/day	29 days
Bis(1,2,2,6,6-pentamethyl-4-piperidiny) sebacate	Ingestion	Not classified for development	Rat	NOAEL 209 mg/kg/day	premating into lactation
Bis(1,2,2,6,6-pentamethyl-4-piperidiny) sebacate	Ingestion	Toxic to female reproduction	Rat	NOAEL 804 mg/kg/day	premating into lactation

**Lactation**

Name	Route	Species	Value
Xylene	Ingestion	Mouse	Not classified for effects on or via lactation

**Target Organ(s)**

**Specific Target Organ Toxicity - single exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Xylene	Inhalation	auditory system	Causes damage to organs	Rat	LOAEL 6.3 mg/l	8 hours
Xylene	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human	NOAEL Not available	
Xylene	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL Not available	
Xylene	Inhalation	eyes	Not classified	Rat	NOAEL 3.5 mg/l	not available
Xylene	Inhalation	liver	Not classified	Multiple animal species	NOAEL Not available	
Xylene	Ingestion	central nervous system depression	May cause drowsiness or dizziness	Multiple animal species	NOAEL Not available	
Xylene	Ingestion	eyes	Not classified	Rat	NOAEL 250 mg/kg	not applicable

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Calcium Oxide	Inhalation	respiratory irritation	May cause respiratory irritation	Not available	NOAEL Not available	occupational exposure
Ethylbenzene	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human	NOAEL Not available	
Ethylbenzene	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Human and animal	NOAEL Not available	
p,p'-Methylenebis(phenyl isocyanate)	Inhalation	respiratory irritation	May cause respiratory irritation	official classification	NOAEL Not available	

**Specific Target Organ Toxicity - repeated exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Poly(Vinyl Chloride) Polymer	Inhalation (22 months)	Multiple animal species	ERROR: Symbol hazard_code is an unknown variable name.	Xylene	Inhalation (4 weeks)	Rat
ERROR: Symbol hazard_code is an unknown variable name.	Xylene	Inhalation (5 days)	Rat	ERROR: Symbol hazard_code is an unknown variable name.	Xylene	Inhalation
Multiple animal species	ERROR: Symbol hazard_code is an unknown variable name.	Xylene	Inhalation (13 weeks)	Multiple animal species	ERROR: Symbol hazard_code is an unknown variable name.	Xylene
Inhalation (13 weeks)	Multiple animal species	ERROR: Symbol hazard_code is an unknown variable name.	Xylene	Inhalation (13 weeks)	Multiple animal species	ERROR: Symbol hazard_code is an unknown variable name.
Xylene	Inhalation (13 weeks)	Multiple animal species	ERROR: Symbol hazard_code is an unknown variable name.	Xylene	Inhalation (13 weeks)	Multiple animal species
ERROR: Symbol hazard_code is an unknown variable name.	Xylene	Inhalation (13 weeks)	Multiple animal species	ERROR: Symbol hazard_code is an unknown variable name.	Xylene	Inhalation (13 weeks)
Multiple animal species	ERROR: Symbol hazard_code is an unknown variable name.	Xylene	Ingestion	Rat	ERROR: Symbol hazard_code is an unknown variable name.	Xylene
Ingestion	Rat	ERROR: Symbol hazard_code is an unknown variable name.	Xylene	Ingestion	Multiple animal species	ERROR: Symbol hazard_code is an unknown variable name.
Xylene	Ingestion	Mouse	ERROR: Symbol hazard_code is an unknown variable name.	Xylene	Ingestion	Mouse
ERROR: Symbol hazard_code is an unknown variable name.	Xylene	Ingestion	Mouse	ERROR: Symbol hazard_code is an unknown variable name.	Xylene	Ingestion

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				unknown variable name.		
Mouse	ERROR: Symbol hazard_code is an unknown variable name.	Xylene	Ingestion	Mouse	ERROR: Symbol hazard_code is an unknown variable name.	Xylene
Ingestion	Mouse	ERROR: Symbol hazard_code is an unknown variable name.	Xylene	Ingestion	Mouse	ERROR: Symbol hazard_code is an unknown variable name.
Xylene	Ingestion	Mouse	ERROR: Symbol hazard_code is an unknown variable name.	Titanium Dioxide	Inhalation (2 years)	Rat
ERROR: Symbol hazard_code is an unknown variable name.	Titanium Dioxide	Inhalation	Human	ERROR: Symbol hazard_code is an unknown variable name.	Amorphous Silica	Inhalation
Human	ERROR: Symbol hazard_code is an unknown variable name.	Amorphous Silica	Inhalation	Human	ERROR: Symbol hazard_code is an unknown variable name.	Ethylbenzene
Inhalation (2 years)	Rat	ERROR: Symbol hazard_code is an unknown variable name.	Ethylbenzene	Inhalation (103 weeks)	Mouse	ERROR: Symbol hazard_code is an unknown variable name.
Ethylbenzene	Inhalation (28 days)	Rat	ERROR: Symbol hazard_code is an unknown variable name.	Ethylbenzene	Inhalation (5 days)	Rat
ERROR: Symbol hazard_code is an unknown variable name.	Ethylbenzene	Inhalation (103 weeks)	Mouse	ERROR: Symbol hazard_code is an unknown variable name.	Ethylbenzene	Inhalation (2 years)
Rat	ERROR: Symbol hazard_code is an unknown variable name.	Ethylbenzene	Inhalation (90 days)	Multiple animal species	ERROR: Symbol hazard_code is an unknown variable name.	Ethylbenzene
Inhalation (90 days)	Multiple animal species	ERROR: Symbol hazard_code is an unknown variable name.	Ethylbenzene	Inhalation (2 years)	Multiple animal species	ERROR: Symbol hazard_code is an unknown variable name.
Ethylbenzene	Inhalation (2 years)	Multiple animal species	ERROR: Symbol hazard_code is an unknown variable name.	Ethylbenzene	Inhalation (2 years)	Multiple animal species
ERROR: Symbol hazard_code is an unknown variable name.	Ethylbenzene	Ingestion	Rat	ERROR: Symbol hazard c	Ethylbenzene	Ingestion

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				ode is an unknown variable name.		
Rat	ERROR: Symbol hazard_code is an unknown variable name.	p,p'-Methylenebis(phenyl isocyanate)	Inhalation (13 weeks)	Rat	ERROR: Symbol hazard_code is an unknown variable name.	Carbon Black
Inhalation	Human	ERROR: Symbol hazard_code is an unknown variable name.	Bis(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate	Ingestion	Rat	ERROR: Symbol hazard_code is an unknown variable name.
Bis(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate	Ingestion	Rat	ERROR: Symbol hazard_code is an unknown variable name.	Bis(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate	Ingestion	Rat
ERROR: Symbol hazard_code is an unknown variable name.	Bis(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate	Ingestion	Rat	ERROR: Symbol hazard_code is an unknown variable name.	Bis(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate	Ingestion
Rat	ERROR: Symbol hazard_code is an unknown variable name.	Bis(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate	Ingestion	Rat	ERROR: Symbol hazard_code is an unknown variable name.	Bis(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate
Ingestion	Rat	ERROR: Symbol hazard_code is an unknown variable name.	Bis(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate	Ingestion	Rat	ERROR: Symbol hazard_code is an unknown variable name.
Bis(1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate	Ingestion	Rat	ERROR: Symbol hazard_code is an unknown variable name.			

**Aspiration Hazard**

Name	Value
Xylene	Aspiration hazard
Petroleum Distillates	Aspiration hazard
Ethylbenzene	Aspiration hazard

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

**SECTION 12: Ecological information**

No data available.

**SECTION 13: Disposal considerations**

**13.1. Disposal methods**

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Dispose of completely cured (or polymerized) material in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. Combustion products will include halogen acid (HCl/HF/HBr). Facility must be capable of handling halogenated materials. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

**SECTION 14: Transport Information**

For Transport Information, please visit <http://3M.com/Transportinfo> or call 1-800-364-3577 or 651-737-6501.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Global inventory status**

Contact manufacturer for more information. The components of this material are in compliance with the provisions of the Korea Chemical Control Act. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Japan Chemical Substance Control Law. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Philippines RA 6969 requirements. Certain restrictions may apply. Contact the selling division for additional information. This product complies with Measures on Environmental Management of New Chemical Substances. All ingredients are listed on or exempt from on China IECSC inventory. The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

**Trade Secret Information:**

**HMIRA Registry Number:** 03455929  
**Filing date:** 29/03/2022

**Claim status:** Claim for exemption has been filed.  
**Date of decision:**

**SECTION 16: Other information**

**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.**

**Health: 2 Flammability: 1 Instability: 0 Special Hazards: 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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**3M Canada SDSs are available at [www.3M.ca](http://www.3M.ca)**