



## 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) LEAD FOIL TAPE 420

##### Product Identification Numbers

44-0004-0524-9	44-0012-1910-2	44-0044-3649-7	70-0000-0205-8	70-0000-8019-5
70-0024-0503-6	70-0024-0507-7	70-0060-0822-4	70-0060-3130-9	70-0060-3131-7
70-0060-3132-5	70-0060-3133-3	70-0061-4790-7	70-0061-4791-5	70-0061-4792-3
70-0061-4793-1	70-0061-4794-9	70-0061-4795-6	70-0062-1435-0	70-0062-1436-8
70-0062-7602-9	70-0063-1802-9	70-0063-4632-7	70-0063-4634-3	70-0063-4635-0
70-0063-4637-6	70-0063-4639-2	70-0063-4645-9	70-0063-4654-1	70-0063-4660-8
70-0063-4727-5	70-0063-4790-3	70-0063-4791-1	70-0063-4847-1	70-0063-7143-2
70-0063-7347-9	70-0063-7399-0	70-0063-7461-8	70-0063-7581-3	70-0063-7621-7
70-0063-7648-0	70-0063-7660-5	70-0063-7992-2	70-0063-8063-1	70-0063-8164-7
70-0063-8226-4	70-0063-8305-6	70-0063-8612-5	70-0063-8613-3	70-0063-8614-1
70-0063-8615-8	70-0063-8616-6	70-0063-8617-4	70-0063-8828-7	70-0063-8829-5
70-0063-8830-3	70-0063-8831-1	70-0063-8855-0	70-0063-8904-6	70-0063-8916-0
70-0063-8917-8	70-0063-9087-9	70-0063-9089-5	70-0063-9090-3	70-0063-9091-1
70-0063-9092-9	70-0063-9093-7	70-0063-9094-5	70-0063-9119-0	70-0063-9150-5
70-0063-9173-7	70-0063-9200-8	70-0063-9211-5	70-0063-9256-0	70-0063-9301-4
70-0063-9485-5	70-0075-1422-0	70-0075-3717-1	70-0075-4323-7	70-0075-4324-5
70-0075-4339-3	70-0075-4340-1	70-0075-4341-9	70-0075-4342-7	70-0075-4343-5
70-0075-4345-0	70-0075-4346-8	70-0075-4770-9	70-0075-4771-7	70-0160-5046-3
70-0161-1069-7	DT-0001-0160-0	DT-0001-0479-4	DT-9999-5210-4	DT-9999-8357-0
FT-5100-4486-8	FT-5100-4546-9	FT-6000-0907-8	FT-6000-0909-4	FT-6000-9295-9
FT-6000-9512-7	FT-6000-9598-6	H0-0018-9750-5	H0-0018-9751-3	HB-0044-0262-2
HB-0044-7119-7	HB-0044-8110-5	HB-0044-8111-3	HB-0044-8118-8	HB-0045-0631-5
UU-0108-8012-6	UU-0108-8014-2	UU-0108-8015-9	XT-0007-5708-5	XT-0007-7184-7
XT-0614-4636-2	XT-0614-7102-2	XT-0614-7172-5	XT-0614-7173-3	XT-0614-7646-8
XT-0614-7647-6	XT-0614-7683-1	XT-0614-7684-9	XT-0614-7685-6	XT-0614-8821-6
XT-0615-9104-3	XT-8015-1449-5			

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

##### General Use

420 lead foil tape is used as a maskant in electroplating applications as well as a moisture and radiation barrier in other applications.

##### Intended Use

Industrial use

**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 / 1800 364 3577

## SECTION 2: Hazard identification

**2.1. Classification of the substance or mixture**

Respiratory Sensitizer: Category 1.

Skin Sensitizer: Category 1.

Carcinogenicity: Category 2.

Reproductive Toxicity: Category 1B.

Reproductive Toxicity: Lactation.

Specific Target Organ Toxicity (single exposure): Category 2.

Specific Target Organ Toxicity (repeated exposure): Category 2.

**2.2. Label elements**

**Signal word**

Danger

**Symbols**

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. May damage fertility or the unborn child. May cause harm to breast-fed children.

May cause damage to organs: nervous system.

May cause damage to organs through prolonged or repeated exposure: blood or blood-forming organs | gastrointestinal tract | kidney/urinary tract | musculoskeletal system | nervous system | 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 vapours. Avoid contact during pregnancy and while nursing. Wash exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. In case of inadequate ventilation wear respiratory protection.

**Response:**

IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical attention. If skin irritation or rash occurs: Get medical attention. If experiencing respiratory symptoms: Call a POISON CENTER or doctor. Take off contaminated clothing and wash it before reuse.

**Storage:**

Store locked up.

**Disposal:**

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

**2.3. Other hazards**

None known.

87% of the mixture consists of ingredients of unknown acute oral toxicity.

## SECTION 3: Composition/information on ingredients

This material is a mixture.

Ingredient	C.A.S. No.	% by Wt	Common Name
Lead	7439-92-1	80 - 100 Trade Secret *	Lead
Natural Rubber	9006-04-6	1 - 5 Trade Secret *	Rubber, natural
Rosin	8050-09-7	1 - 5 Trade Secret *	Rosin
Tin	7440-31-5	1 - 5	Tin
Arsenic	7440-38-2	< 0.1	No Data Available

\*The concentration (exact or range) of this component 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:**

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, 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

Material will not burn. Use a fire fighting agent suitable for the surrounding fire.

#### 5.2. Unsuitable extinguishing media

None Determined

#### 5.3. Special hazards arising from the substance or mixture

None inherent in this product.

#### 5.4. Special protection actions for fire-fighters

Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

### SECTION 6: Accidental release measures

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

Evacuate area. Use personal protective equipment based on the results of an exposure assessment. Refer to Section 8 for PPE recommendations. If anticipated exposure resulting from an accidental release exceeds the protective capabilities of the PPE listed in Section 8, or are unknown, select PPE that offers an appropriate level of protection. Consider the physical and chemical hazards of the material when doing so. Examples of PPE ensembles for emergency response could include wearing bunker gear for a release of flammable material; wearing chemical protective clothing if the spilled material is a corrosive, a sensitizer, a significant dermal irritant, or can be absorbed through the skin; or donning a positive pressure supplied-air respirator for chemicals with inhalation hazards. For information regarding physical and health hazards, refer to sections 2 and 11 of the SDS.

#### 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 closed container approved for transportation by appropriate authorities. 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

For industrial or professional use only. Not for consumer sale or use. 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. Avoid contact during pregnancy/while nursing. 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. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.) Use personal protective equipment (gloves, respirators, etc.) as required. After handling, wash hands with a soap that is specifically formulated to remove lead from the surface of the skin.

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

Store away from oxidizing agents. Store locked up.

### 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>
CAS NO M~PB~I	7439-92-1	ACGIH	TWA(as Pb):0.05 mg/m3	
Tin	7440-31-5	ACGIH	TWA(as Sn, inhalable fraction):2 mg/m3	
Arsenic	7440-38-2	ACGIH	TWA(as As):0.01 mg/m3	
ROSIN CORE SOLDER PYROLYSIS PRODUCTS	8050-09-7	ACGIH	TWA(as Resin, inhalable fraction):0.001 mg/m3	Dermal/Respiratory Sensitizer
Natural Rubber	9006-04-6	ACGIH	TWA(as allergenic protein, inhalable fraction):0.0001 mg/m3	Dermal/Respiratory Sensitizer

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.

For prolonged or repeated contact, gloves made from the following material(s) are recommended (breakthrough times are >4 hours): Nitrile Rubber

Any glove recommended for prolonged/repeated contact is also suitable for short-term/splash contact.

If this product is used in a manner that presents a higher potential for exposure (e.g., spraying, high splash potential, etc.), then use of a protective apron may be necessary. See recommended glove material(s) for determining appropriate apron material(s). If a glove material is not available as an apron, polymer laminate is a suitable option.

**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 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

Physical state	Solid
Specific Physical Form:	Tape
Colour	Silver
Odour	Slight Rubber
Odour threshold	<i>Not Applicable</i>
pH	<i>Not Applicable</i>
Melting point/Freezing point	<i>No Data Available</i>
Boiling point	<i>Not Applicable</i>
Flash Point	No flash point
Evaporation rate	<i>Not Applicable</i>
Flammability	Not Applicable
Flammable Limits(LEL)	<i>Not Applicable</i>
Flammable Limits(UEL)	<i>Not Applicable</i>
Vapour Pressure	<i>Not Applicable</i>
Relative Vapour Density	<i>Not Applicable</i>
Relative density	<i>Not Applicable</i>
Water solubility	<i>Not Applicable</i>
Solubility- non-water	<i>Not Applicable</i>
Partition coefficient: n-octanol/ water	<i>Not Applicable</i>
Autoignition temperature	<i>Not Applicable</i>
Decomposition temperature	<i>Not Applicable</i>
Kinematic Viscosity	<i>Not Applicable</i>
Volatile Organic Compounds	<i>Not Applicable</i>
Percent volatile	<i>Not Applicable</i>
VOC Less H <sub>2</sub> O & Exempt Solvents	<i>No Data Available</i>
Molecular weight	<i>Not Applicable</i>

Particle Characteristics	<i>Not Applicable</i>
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## 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

None known.

### 10.5. Incompatible materials

Strong oxidizing agents

**10.6. Hazardous decomposition products****Substance**

Carbon monoxide  
Carbon dioxide  
Oxides of Lead

**Condition**

Not Specified  
Not Specified  
Not Specified

**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:**

Allergic Respiratory Reaction: Signs/symptoms may include difficulty breathing, wheezing, cough, and tightness of chest. May cause additional health effects (see below).

**Skin Contact:**

May be harmful in contact with skin. Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

**Eye Contact:**

Mechanical eye irritation: Signs/symptoms may include pain, redness, tearing and corneal abrasion.

**Ingestion:**

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

**Additional Health Effects:**

May accumulate in the body.

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

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.

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

Ocular Effects: Signs/symptoms may include blurred or significantly impaired vision. Hard Tissue Effects: Signs/symptoms may include colour changes in the teeth and nails; changes in development of bone, teeth or nails; weakening of the bones; and/or hair loss. Hematopoietic Effects: Signs/symptoms may include generalized weakness, fatigue and alterations in numbers of circulating blood cells. Gastrointestinal Effects: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea. 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. 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.

**Reproductive/Developmental Toxicity:**

Contains a chemical or chemicals which can cause birth defects or other reproductive harm. Contains a chemical or chemicals which may interfere with lactation or be harmful to breastfed children.

#### Carcinogenicity:

Contains a chemical or chemicals which can cause cancer.

Ingredient	CAS No.	Class Description	Regulation
Arsenic and Inorganic Arsenic Compounds	7440-38-2	Known To Be Human Carcinogen.	National Toxicology Program Carcinogens
Arsenic and inorganic arsenic compounds	7440-38-2	Grp. 1: Carcinogenic to humans	International Agency for Research on Cancer
Arsenic	7440-38-2	Known human carcinogen	National Toxicology Program Carcinogens
ARSENIC, INORGANIC	7440-38-2	Cancer hazard	OSHA Carcinogens
Lead	7439-92-1	Grp. 2B: Possible human carc.	International Agency for Research on Cancer
Lead	7439-92-1	Anticipated human carcinogen	National Toxicology Program Carcinogens

#### 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 >2,000 - =5,000 mg/kg
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
Lead	Dermal		LD50 estimated to be 2,000 - 5,000 mg/kg
Natural Rubber	Dermal		LD50 estimated to be > 5,000 mg/kg
Natural Rubber	Ingestion		LD50 estimated to be > 5,000 mg/kg
Tin	Dermal	Rat	LD50 > 2,000 mg/kg
Tin	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 4.75 mg/l
Tin	Ingestion	Rat	LD50 > 2,000 mg/kg
Rosin	Dermal	Rabbit	LD50 > 2,500 mg/kg
Rosin	Ingestion	Rat	LD50 7,600 mg/kg
Arsenic	Dermal	similar compounds	LD50 > 1,000 mg/kg
Arsenic	Ingestion	similar compounds	LD50 15 mg/kg
Arsenic	Inhalation-Dust/Mist (4 hours)	similar health hazards	LC50 Not Available

ATE = acute toxicity estimate

#### Skin Corrosion/Irritation

Name	Species	Value
Lead	similar compounds	No significant irritation
Natural Rubber	Human	Mild irritant
Tin	Rabbit	No significant irritation
Rosin	Rabbit	No significant irritation
Arsenic	In vitro data	Irritant

#### Serious Eye Damage/Irritation

Name	Species	Value
Lead	similar compound	Mild irritant



	ds	
Natural Rubber	Rabbit	No significant irritation
Tin	Rabbit	No significant irritation
Rosin	Rabbit	Mild irritant
Arsenic	In vitro data	Corrosive

**Skin Sensitization**

Name	Species	Value
Natural Rubber	Human	Sensitizing
Rosin	Guinea pig	Sensitizing
Arsenic	similar compound	Not classified

**Respiratory Sensitization**

Name	Species	Value
Natural Rubber	Human	Sensitizing
Rosin	Human	Not classified

**Germ Cell Mutagenicity**

Name	Route	Value
Lead	In vivo	Some positive data exist, but the data are not sufficient for classification
Natural Rubber	In Vitro	Some positive data exist, but the data are not sufficient for classification
Arsenic	In Vitro	Some positive data exist, but the data are not sufficient for classification

**Carcinogenicity**

Name	Route	Species	Value
Lead	Not Specified	official classification	Carcinogenic
Arsenic	Ingestion	similar compounds	Carcinogenic
Arsenic	Inhalation	similar compounds	Carcinogenic

**Reproductive Toxicity****Reproductive and/or Developmental Effects**

Name	Route	Value	Species	Test result	Exposure Duration
Lead	Not Specified	Toxic to female reproduction	Human	LOAEL 10 ug/dl blood	
Lead	Not Specified	Toxic to male reproduction	Human	LOAEL 37 ug/dl blood	
Lead	Not Specified	Toxic to development	Human	NOAEL Not available	
Arsenic	Ingestion	Toxic to development	similar compounds	NOAEL Not available	
Arsenic	Inhalation	Toxic to development	similar compounds	NOAEL Not available	
Arsenic	Ingestion	Toxic to male reproduction	similar compound	NOAEL 0.1 mg/L in	56 days

			ds	drinking water	
Arsenic	Ingestion	Toxic to female reproduction	similar compounds	NOAEL Not available	

**Lactation**

Name	Route	Species	Value
Lead	Not Specified	Human	Causes 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
Lead	Ingestion	nervous system	May cause damage to organs	Human	LOAEL 90 ug/dl blood	poisoning and/or abuse
Lead	Ingestion	heart	Not classified	Human	NOAEL Not available	poisoning and/or abuse
Arsenic	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not Available	

**Specific Target Organ Toxicity - repeated exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Lead	Inhalation	kidney and/or bladder	May cause damage to organs though prolonged or repeated exposure	Human	LOAEL 60 ug/dl blood	occupational exposure
Lead	Inhalation	hematopoietic system	May cause damage to organs though prolonged or repeated exposure	Human	LOAEL 50 ug/dl blood	occupational exposure
Lead	Inhalation	gastrointestinal tract   nervous system	May cause damage to organs though prolonged or repeated exposure	Human	LOAEL 40 ug/dl blood	occupational exposure
Lead	Inhalation	heart   endocrine system   immune system   vascular system	Not classified	Human	NOAEL Not available	occupational exposure
Lead	Ingestion	bone, teeth, nails, and/or hair	May cause damage to organs though prolonged or repeated exposure	Rat	LOAEL 20 ug/dl blood	3 months
Lead	Ingestion	eyes	May cause damage to organs though prolonged or repeated exposure	Rat	LOAEL 0.5 mg/kg/day	20 days
Lead	Ingestion	gastrointestinal tract	May cause damage to organs though prolonged or repeated exposure	Human	LOAEL 60 ug/dl blood	environmental exposure
Lead	Ingestion	hematopoietic system   kidney and/or bladder	May cause damage to organs though prolonged or repeated exposure	Human	LOAEL 40 ug/dl blood	environmental exposure
Lead	Ingestion	nervous system	May cause damage to organs though prolonged or repeated exposure	Human	LOAEL 11 ug/dl blood	environmental exposure
Lead	Ingestion	auditory system   heart   endocrine system   vascular system	Not classified	Human	NOAEL Not available	environmental exposure
Arsenic	Inhalation	skin   nervous system	Causes damage to organs through prolonged or repeated exposure	similar compounds	NOAEL Not available	
Arsenic	Ingestion	heart   skin   hematopoietic system	Causes damage to organs through prolonged or repeated exposure	similar compounds	NOAEL Not Available	

Arsenic	Ingestion	nervous system	Causes damage to organs through prolonged or repeated exposure	similar compounds	NOAEL Not available	
Arsenic	Ingestion	respiratory system   vascular system	Causes damage to organs through prolonged or repeated exposure	similar compounds	NOAEL Not Available	

**Aspiration Hazard**

For the component/components, either no data are currently available or the data are not sufficient for classification.

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 waste product in a permitted industrial waste facility.

**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 3M for more information.

**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:** 0 **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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The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. The manufacturer MAKES NO WARRANTIES, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF PERFORMANCE, COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. User is responsible for determining whether the 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 product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

**3M Canada SDSs are available at [www.3M.ca](http://www.3M.ca)**