



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™ Hot Melt Adhesive 3748PG, 3748TC, 3748Q, 3748B Off-White

Product Identification Numbers

11-4002-5195-2	62-3748-7230-7	62-3748-7231-5	62-3748-7232-3	62-3748-7236-4
62-3748-9130-7	62-3748-9132-3	62-3748-9133-1	62-3748-9136-4	62-3748-9235-4
62-3748-9330-3	62-3748-9334-5	62-3748-9335-2	62-3748-9336-0	62-3748-9337-8
62-3748-9338-6	62-3748-9339-4	62-3748-9395-6	62-3748-9531-6	62-3748-9630-6
62-3748-9830-2	62-3748-9836-9	62-3748-9930-0	JS-3000-5033-8	JS-3000-5036-1
JS-3000-5058-5	JS-3000-5069-2	XI-0039-2315-2		

1.2. Recommended use and restrictions on use

Intended Use

Adhesive

Specific Use

hot-melt adhesive

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

Not classified according to the Canadian Hazardous Products Regulation.

2.2. Label elements**Signal word**

Not applicable.

Symbols

Not applicable

Pictograms

Not applicable

2.3. Other hazards

May cause thermal burns.

SECTION 3: Composition/information on ingredients

This material is a mixture.

Ingredient	C.A.S. No.	% by Wt	Common Name
Polypropylene	9003-07-0	15 - 40	1-Propene, homopolymer
Hydrocarbon Resin	Trade Secret	10 - 30	Not Applicable
Styrene-Butadiene Polymer	Trade Secret	10 - 30	Not Applicable
Ethylene-Propylene Polymer	9010-79-1	1 - 25	1-Propene, polymer with ethene
Polyethylene	9002-88-4	1 - 25	Ethene, homopolymer
Polyolefin Wax	8002-74-2	5 - 10	Paraffin waxes and Hydrocarbon waxes

Hydrocarbon Resin is a non-hazardous material according to WHMIS criteria. Specific information has been withheld as a trade secret.

Styrene-Butadiene Polymer is a non-hazardous material according to WHMIS criteria. Specific information has been withheld as a trade secret.

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

No need for first aid is anticipated. If symptoms develop, remove the affected person to fresh air. Get medical attention.

Skin Contact:

Immediately flush skin with large amounts of cold water for at least 15 minutes. DO NOT ATTEMPT TO REMOVE MOLTEN MATERIAL. Cover affected area with a clean dressing. Get immediate medical attention.

Eye Contact:

Immediately flush eyes with large amounts of water for at least 15 minutes. DO NOT ATTEMPT TO REMOVE MOLTEN MATERIAL. Get immediate medical attention.

If Swallowed:

Do not induce vomiting. Rinse mouth. If you feel unwell, get medical attention.

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

No critical symptoms or effects. See Section 11.1, information on toxicological effects.

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. Unsuitable extinguishing media

None Determined

5.3. Special hazards arising from the substance or mixture

None inherent in this product.

Hazardous Decomposition or By-Products**Substance**

Aldehydes
Hydrocarbons
Carbon monoxide
Carbon dioxide
Ketones
Oxides of Nitrogen

Condition

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

5.4. Special protection 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**

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. Ventilate the area with fresh air. Observe precautions from other sections.

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**

Avoid skin contact with hot material. For industrial or professional use only. Not for consumer sale or use.

7.2. Conditions for safe storage including any incompatibilities

No special storage requirements.

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.

Ingredient	C.A.S. No.	Agency	Limit type	Additional Comments
Polyolefin Wax	8002-74-2	ACGIH	TWA(as fume):2 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**

None required.

Skin/hand protection

No chemical protective gloves are required.

Respiratory protection

None required.

Thermal hazards

Wear heat insulating gloves - Wear heat insulating gloves, indirect vented goggles, and a full face shield when handling hot material to prevent thermal burns.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	Solid
Specific Physical Form:	Waxy Solid
Colour	Off-White
Odour	Mild Resinous
Odour threshold	No Data Available
pH	Not Applicable
Melting point/Freezing point	No Data Available
Boiling point	Not Applicable
Flash Point	280 °C [Test Method:Cleveland Open Cup]
Evaporation rate	Not Applicable
Flammability	Not Applicable
Flammable Limits(LEL)	Not Applicable
Flammable Limits(UEL)	Not Applicable
Relative Vapour Density	Nil
Density	0.92 - 0.94 g/cm3
Relative density	0.92 - 0.94 [Ref Std: WATER=1]

Water solubility	Nil
Solubility- non-water	No Data Available
Partition coefficient: n-octanol/ water	No Data Available
Autoignition temperature	330 °C
Decomposition temperature	No Data Available
Kinematic Viscosity	5,435 mm ² /sec
Volatile Organic Compounds	0 g/l [Test Method:calculated SCAQMD rule 443.1]
Percent volatile	0 % weight
VOC Less H ₂ O & Exempt Solvents	0 g/l [Test Method:calculated SCAQMD rule 443.1]
Molecular weight	No Data Available
Solids Content	100 %

Particle Characteristics	Not Applicable
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SECTION 10: Stability and reactivity

10.1. Reactivity

This material is considered to be non reactive under normal use conditions.

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

None known.

10.6. Hazardous decomposition products

Substance

None known.

Condition

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:

No health effects are expected.

Skin Contact:

During heating: Thermal Burns: Signs/symptoms may include intense pain, redness and swelling, and tissue destruction.

Eye Contact:

During heating: Thermal Burns: Signs/symptoms may include severe pain, redness and swelling, and tissue destruction.

Ingestion:

No known health effects.

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	Ingestion		No data available; calculated ATE >5,000 mg/kg
Polypropylene	Dermal		LD50 estimated to be > 5,000 mg/kg
Polypropylene	Ingestion	Mouse	LD50 > 8,000 mg/kg
Hydrocarbon Resin	Dermal	Professional judgment	LD50 estimated to be > 5,000 mg/kg
Hydrocarbon Resin	Ingestion	Professional judgment	LD50 7,000 mg/kg
Ethylene-Propylene Polymer	Dermal	Rabbit	LD50 > 2,000 mg/kg
Ethylene-Propylene Polymer	Ingestion	Rat	LD50 > 5,000 mg/kg
Styrene-Butadiene Polymer	Dermal		LD50 estimated to be > 5,000 mg/kg
Styrene-Butadiene Polymer	Ingestion		LD50 estimated to be > 5,000 mg/kg
Polyethylene	Dermal		LD50 estimated to be > 5,000 mg/kg
Polyethylene	Ingestion	Rat	LD50 > 2,000 mg/kg
Polyolefin Wax	Dermal	Rat	LD50 > 5,000 mg/kg
Polyolefin Wax	Ingestion	Rat	LD50 > 5,000 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Polypropylene	Human and animal	No significant irritation
Hydrocarbon Resin	Professional judgment	No significant irritation
Ethylene-Propylene Polymer	Rabbit	No significant irritation
Polyethylene	Professional judgment	No significant irritation
Polyolefin Wax	Rabbit	No significant irritation

Serious Eye Damage/Irritation

Name	Species	Value
Polypropylene	Professional judgment	No significant irritation

	nt	
Ethylene-Propylene Polymer	Rabbit	No significant irritation
Polyolefin Wax	Rabbit	No significant irritation

Skin Sensitization

Name	Species	Value
Polypropylene	Human and animal	Not classified
Polyolefin Wax	Guinea pig	Not classified

Respiratory Sensitization

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

Germ Cell Mutagenicity

Name	Route	Value
Polypropylene	In Vitro	Not mutagenic
Hydrocarbon Resin	In Vitro	Not mutagenic
Polyolefin Wax	In Vitro	Not mutagenic

Carcinogenicity

Name	Route	Species	Value
Polypropylene	Not Specified	Rat	Some positive data exist, but the data are not sufficient for classification
Polyethylene	Not Specified	Multiple animal species	Some positive data exist, but the data are not sufficient for classification
Polyolefin Wax	Ingestion	Rat	Not carcinogenic

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

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

Target Organ(s)**Specific Target Organ Toxicity - single exposure**

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

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Polyolefin Wax	Ingestion	heart	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 15 mg/kg/day	90 days
Polyolefin Wax	Ingestion	hematopoietic system	Not classified	Rat	NOAEL 1,500 mg/kg/day	90 days
Polyolefin Wax	Ingestion	liver	Not classified	Rat	NOAEL 1,500 mg/kg/day	90 days
Polyolefin Wax	Ingestion	immune system	Not classified	Rat	NOAEL 1,500 mg/kg/day	90 days
Polyolefin Wax	Ingestion	skin	Not classified	Rat	NOAEL 1,500 mg/kg/day	90 days
Polyolefin Wax	Ingestion	endocrine system	Not classified	Rat	NOAEL 1,500 mg/kg/day	90 days

Polyolefin Wax	Ingestion	bone, teeth, nails, and/or hair	Not classified	Rat	NOAEL 1,500 mg/kg/day	90 days
Polyolefin Wax	Ingestion	muscles	Not classified	Rat	NOAEL 1,500 mg/kg/day	90 days
Polyolefin Wax	Ingestion	nervous system	Not classified	Rat	NOAEL 1,500 mg/kg/day	90 days
Polyolefin Wax	Ingestion	eyes	Not classified	Rat	NOAEL 1,500 mg/kg/day	90 days
Polyolefin Wax	Ingestion	kidney and/or bladder	Not classified	Rat	NOAEL 1,500 mg/kg/day	90 days
Polyolefin Wax	Ingestion	respiratory system	Not classified	Rat	NOAEL 1,500 mg/kg/day	90 days
Polyolefin Wax	Ingestion	vascular system	Not classified	Rat	NOAEL 1,500 mg/kg/day	90 days

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.

Prior to disposal, consult all applicable authorities and regulations to insure proper classification. Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. If no other disposal options are available, waste product may be placed in a landfill properly designed for industrial waste.

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. 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 Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). 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. The components of this product are in compliance with the new substance notification requirements of CEPA. 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.

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: 0 **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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