



Safety Data Sheet

Copyright, 2019, 3M Company.

All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

This safety data sheet (SDS) is provided as a courtesy in response to a customer request. This product is not regulated under, and a SDS is not required for this product by the Regulation of Labelling and Hazard Communication of Hazardous Chemicals promulgated by Ministry of Labor on June 27, 2014 by the order of Lao-Zhi-Tzu-No.10302007861 because, when used as recommended or under ordinary conditions, it should not present a health and safety hazard. However, use or processing of the product not in accordance with the product's recommendations or not under ordinary conditions may affect the performance of the product and may present potential health and safety hazards.

Document Group:	23-9407-0	Version Number:	2.00
Issue Date:	2019/04/23	Supersedes Date:	2018/10/04

This Safety Data Sheet has been prepared in accordance with the 'Regulation of Labelling and Hazard Communication of Hazardous Chemicals' (by Ministry of Labor on June 27, 2014)

SECTION 1: Identification

1.1. Chemicals Name

3M™ PTFE Extruded Film Tape 5490

Product Identification Numbers

44-0020-8782-1	44-0022-2183-4	44-0023-2382-0	44-0023-2399-4	44-0025-0737-2
70-0000-8273-8	70-0025-0907-6	70-0061-6213-8	70-0061-9391-9	70-0061-9392-7
70-0061-9393-5	70-0061-9722-5	70-0061-9726-6	70-0061-9730-8	70-0061-9733-2
70-0061-9759-7	70-0061-9775-3	70-0062-1101-8	70-0062-1160-4	70-0062-6100-5
70-0062-6120-3	70-0062-6201-1	70-0062-6247-4	70-0062-8812-3	70-0063-5611-0
70-0063-7240-6	70-0063-7463-4	70-0063-7503-7	70-0063-7684-5	70-0063-7861-9
70-0063-7930-2	70-0063-7961-7	70-0063-8018-5	70-0063-8092-0	70-0063-8100-1
70-0063-8208-2	70-0063-8252-0	70-0063-8269-4	70-0063-8298-3	70-0063-8321-3
70-0125-0905-8	70-0125-0991-8	70-0160-2762-8	70-0160-3949-0	70-0160-4823-6
70-0160-4878-0	70-0160-4978-8	70-0160-5307-9	70-0160-5418-4	70-0160-5419-2
70-0160-5421-8	70-0160-5422-6	70-0160-5424-2	70-0160-5426-7	70-0160-5427-5
70-0160-5513-2	70-0160-5514-0	70-0160-5555-3	70-0160-5690-8	75-0500-2097-5

1.2. Recommended use and restrictions on use

Recommended use

Attachment/Reinforcement, Industrial use

1.3. Details of the supplier of the safety data sheet

Name:	3M Taiwan LTD
ADDRESS:	3F., No. 198, Jingmao 2nd Rd., Nangang Dist., Taipei City 11568, Taiwan (R.O.C.)
Telephone:	(02) 2785-9338
Website:	www.3m.com.tw

1.4. Emergency telephone number

Emergency Telephone: 886-3-4783600, 8:00AM - 4:30PM

Fax number: (03) 475-0924, 475-0904

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

This product is exempt from GHS classification according to article 4 of Regulation of Labelling and Hazard Communication of Dangerous and Harmful Materials.

2.2. Label elements

SIGNAL WORD

Not applicable.

Symbols

Not applicable.

Pictograms

Not applicable

2.3. Other hazards

None known

SECTION 3: Composition/information on ingredients

This material is a mixture.

Ingredient	C.A.S. No.	% by Wt
Silicone Adhesive	Trade Secret	30 - 60

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

No need for first aid is anticipated.

Skin Contact:

Wash with soap and water. 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:

No need for first aid is anticipated.

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

See Section 11.1. Information on toxicological effects.

4.3. Advice to protect the rescuer and special warning to doctors

Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation and personal protective equipment.

4.4. 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

<u>Substance</u>	<u>Condition</u>
Hydrocarbons	During Combustion
Carbon monoxide	During Combustion
Carbon dioxide	During Combustion

5.3. Special protective actions for fire-fighters

No special protective actions for fire-fighters are anticipated.

5.4. Special equipment for the protection of fire-fighters

No information is available.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Not applicable.

6.2. Environmental precautions

Not applicable.

6.3. Methods and material for containment and cleaning up

Not applicable.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions.

7.2. Conditions for safe storage including any incompatibilities

Not applicable.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

No occupational exposure limit values exist for any of the components listed in Section 3 of this SDS.

Biological limit values

No biological limit values exist for any of the components listed in Section 3 of this safety data sheet.

8.2. Exposure controls**8.2.1. Engineering controls**

Not applicable.

8.2.2. Personal protective equipment (PPE)**Eye/face protection**

Eye protection not required.

Skin/hand protection

No chemical protective gloves are required.

Respiratory protection

Respiratory protection is not required.

8.3. Hygiene Measures

See Section 7.1 Precautions for safe handling

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid
Specific Physical Form:	Roll of Tape
Appearance/Odor	Gray PTFE tape.
Odor threshold	<i>Not Applicable</i>
pH	<i>Not Applicable</i>
Melting point/Freezing point	<i>Not Applicable</i>
Boiling point/Initial boiling point/Boiling range	<i>Not Applicable</i>
Flash Point	<i>Not Applicable</i>
Evaporation rate	<i>Not Applicable</i>
Flammability (solid, gas)	Not Classified
Flammable Limits(LEL)	<i>Not Applicable</i>
Flammable Limits(UEL)	<i>Not Applicable</i>
Vapor Pressure	<i>Not Applicable</i>
Vapor Density	<i>Not Applicable</i>
Relative Density	<i>Not Applicable</i>
Water solubility	Nil
Solubility- non-water	<i>Not Applicable</i>
Partition coefficient: n-octanol/ water	<i>No Data Available</i>
Autoignition temperature	<i>Not Applicable</i>
Decomposition temperature	<i>Not Applicable</i>
Viscosity	<i>Not Applicable</i>
Molecular weight	<i>No Data Available</i>
Volatile Organic Compounds	<i>Not Applicable</i>
Percent volatile	<i>Not Applicable</i>
VOC Less H2O & Exempt Solvents	<i>Not Applicable</i>

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

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

Refer to section 5.2 for hazardous decomposition products during combustion.

Under recommended usage conditions, hazardous decomposition products are not expected. Hazardous decomposition products may occur as a result of oxidation, heating, or reaction with another material.

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. No known health effects.

Skin Contact:

No health effects are expected.

Eye Contact:

No health effects are expected.

Ingestion:

No health effects are expected.

No known health effects.

Chronic toxicity or long term toxicity

Additional Information:

This product, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

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	Ingestion		No data available; calculated ATE >5,000 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

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

Serious Eye Damage/Irritation

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

Skin Sensitization

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

Respiratory Sensitization

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

Germ Cell Mutagenicity

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

Carcinogenicity

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

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

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

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

The information below may not be consistent with the material classification in Section 2 if specific ingredient

classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labeling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

12.1. Toxicity

Acute aquatic hazard:

Not acutely toxic to aquatic life by GHS criteria.

Chronic aquatic hazard:

Not chronically toxic to aquatic life by GHS criteria.

No product test data available

12.2. Persistence and degradability

No test data available

12.3. Bioaccumulative potential

No test data available

12.4. Mobility in soil

Please contact manufacturer for more details

12.5 Other adverse effects

No information 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

14.1. International Regulations

UN No.: Not applicable

UN Proper shipping name: Not applicable

Transportation Class (IMO): Not applicable

Transportation Class (IATA): Not applicable

Packing Group: Not applicable

Marine pollutant: Not applicable

Specific transport measures and precautionary conditions: Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Applicable regulations:

Taiwan. Methods and Facilities Standards for the Storage, Clearance and Disposal of Industrial Waste (EPA Order No. 0950098458C, Table 1 Process Hazardous Industrial Waste, December 14, 2006)

Occupational Safety and Health Act

15.2. Global Inventory Status:

Toxic Substances Control Act: Exempt from Inventory Listing

SECTION 16: Other information

16.1. Literature references

Organization that prepared the SDS

Name:	3M Taiwan LTD
Address:	3F., No. 198, Jingmao 2nd Rd., Nangang Dist., Taipei City 11568, Taiwan (R.O.C.)
Telephone Number:	886 3 4783600 ext 285

Person who prepared the SDS

Title:	Product EHS & R Engineer
Name:	Penny Wu

Date that the SDS was prepared:

2019/04/23

Revision information:

Section 01: Address information was modified.
Section 01: Company Telephone information was modified.
Section 03: Ingredient table information was modified.
Section 11: Acute Toxicity table information was modified.
Section 11: Carcinogenicity Table information was deleted.
Section 11: Carcinogenicity text information was added.
Section 11: Serious Eye Damage/Irritation Table information was deleted.
Section 11: Serious Eye Damage/Irritation text information was added.
Section 11: Skin Corrosion/Irritation Table information was deleted.
Section 11: Skin Corrosion/Irritation text information was added.
Section 11: Skin Sensitization Table information was deleted.
Section 11: Skin Sensitization text information was added.
Section 11: Specific Target Organ Toxicity - repeated exposure text information was added.
Section 11: Target Organs - Repeated Table information was deleted.
Section 12: Component ecotoxicity information information was deleted.
Section 12: No Data text for bioaccumulative potential information was added.
Section 12: No Data text for persistence and degradability information was added.
Section 12: Persistence and Degradability information information was deleted.
Section 12: Bioaccumulative potential information information was deleted.

DISCLAIMER: The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.

3M Taiwan SDSs are available at www.3m.com.tw