



## Safety Data Sheet

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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 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.

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This Safety Data Sheet has been prepared in accordance with the 'Regulation of Labelling and Hazard Communication of Hazardous Chemicals'

### SECTION 1: Identification

#### 1.1. Chemicals Name

3M™ Petrifilm™ Coliform Count Plate

**Other Names:**None

#### Product Identification Numbers

70-2005-7214-0	70-2005-7216-5	AH-0105-8648-7	AH-0105-8655-2	FH-5000-6005-5
H0-0015-2281-4	H0-0015-4410-7	H0-0015-4411-5	UU-0081-9635-2	UU-0081-9644-4
UU-0081-9645-1	UU-0081-9648-5			

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

##### Recommended use

The coliform Petrifilm plates are used to detect and grow specific bacteria.

#### 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 115018, Taiwan  
**Telephone:** (02) 2785-9338  
**Website:** www.3m.com.tw

#### 1.4. Emergency telephone number

**Emergency Telephone:**886-3-4783600

**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 Regulations for the Labeling and Hazard Communication of Hazardous Chemicals.

**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**

**Pure Material:** Not Applicable

This material is a mixture.

Chemical Properties: Refer to Section 9 of this SDS

**Hazardous Ingredients:** Not Applicable

Other Ingredient Names*	C.A.S. No.	% by Wt
POLY(ETHYLENE TEREPHTHALATE)	25038-59-9	34.32 42.9
HYDROGENATED STYRENE-BUTADIENE POLYMER	66070-58-4	10.8 12.96
Benzene, ethenyl-, homopolymer	9003-53-6	8.64 10.8
Guar gum	9000-30-0	5 - 10
BARIUM SULFATE	7727-43-7	0 8.58
Carbon Black	1333-86-4	0 8.58
POLYETHYLENE TEREPHTHALATE-POLYETHYLENE ISOPHTHALATE COPOLYMER	24938-04-3	0 8.58
POLYPROPYLENE	9003-07-0	0 8.58
SILICA GEL	63231-67-4	0 8.58
Titanium Dioxide	13463-67-7	0 8.58
Lactose	64044-51-5	< 2

\*The ingredients in this table are either: 1) not classified as hazardous, or 2) do not contribute to hazard classification according to CNS15030 based on defined classification thresholds.

**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:**

If exposed, wash with soap and water. If signs/symptoms develop, get medical attention.

**Eye Contact:**

If exposed, flush eyes with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms develop, get 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. 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.

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

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.

**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**

No engineering controls required.

**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**

<b>Physical state</b>	Solid
<b>Specific Physical Form:</b>	Film coated with bio-media gel.
<b>Color</b>	Red, White, Yellow
<b>Odor</b>	Musty
<b>Odor threshold</b>	<i>Not Applicable</i>
<b>pH</b>	<i>No Data Available</i>
<b>Melting point/Freezing point</b>	<i>No Data Available</i>
<b>Boiling point/Initial boiling point/Boiling range</b>	<i>Not Applicable</i>
<b>Flash Point</b>	<i>Not Applicable</i>
<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>Vapor Pressure</b>	<i>Not Applicable</i>
<b>Vapor Density and/or Relative Vapor Density</b>	<i>Not Applicable</i>
<b>Density</b>	<i>Not Applicable</i>
<b>Relative Density</b>	<i>Not Applicable</i>
<b>Water solubility</b>	<i>No Data Available</i>

<b>Solubility- non-water</b>	<i>Not Applicable</i>
<b>Partition coefficient: n-octanol/ water</b>	<i>No Data Available</i>
<b>Autoignition temperature</b>	<i>No Data Available</i>
<b>Decomposition temperature</b>	<i>Not Applicable</i>
<b>Viscosity/Kinematic Viscosity</b>	<i>Not Applicable</i>
<b>Volatile Organic Compounds</b>	0
<b>Percent volatile</b>	<i>No Data Available</i>
<b>VOC Less H2O &amp; Exempt Solvents</b>	0
<b>Molecular weight</b>	<i>No Data Available</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>
Carbon monoxide	Not Specified
Carbon dioxide	Not Specified

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.

#### Skin Contact:

No health effects are expected.

**Eye Contact:**

No health effects are expected.

**Ingestion:**

No health effects are expected.

**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.

**Sensitization:****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. 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**

Not hazardous for transportation.

**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:**

Methods and Facilities Standards for the Storage, Clearance and Disposal of Industrial Waste

Occupational Safety and Health Act

Roadway Traffic Safety Regulations

Regulation of Labelling and Hazard Communication of Hazardous Chemicals

### 15.2. Global Inventory Status:

Canadian Domestic Substances List: Inventory list not applicable

## SECTION 16: Other information

### 16.1. Literature references

**Organization that prepared the SDS**

<b>Name:</b>	3M Taiwan LTD
<b>Address:</b>	3F., No. 198, Jingmao 2nd Rd., Nangang Dist., Taipei City 115018, Taiwan
<b>Telephone Number:</b>	886 3 478 3600 #388

**Person who prepared the SDS**

<b>Title:</b>	Senior Product Responsibility Liaison
<b>Name:</b>	Sunny Chang

**Date that the SDS was prepared:**

2022/12/27

**Revision information:**

Section 01: Address information was modified.

Section 01: Emergency telephone information was modified.

Section 03: Ingredient table information was deleted.

Section 03: Material is a mixture standard phrase information was deleted.

Section 04: First aid for eye contact information information was modified.

Section 04: First aid for ingestion (swallowing) information information was modified.

Section 04: First aid for inhalation information information was modified.

Section 04: First aid for skin contact information information was modified.

Section 04: Information on toxicological effects information was deleted.

Section 08: mg/m3 key information was deleted.

Section 08: Occupational exposure limit table information was deleted.

Section 08: Occupational exposure limit table information was modified.

Section 08: OEL Reg Agency Desc information was deleted.

Section 08: ppm key information was deleted.

Section 08: STEL key information was deleted.

Section 08: TWA key information was deleted.

Section 09: Percent Volatile information was added.  
Section 09: Property description for optional properties information was added.  
Section 09: Property description for optional properties information was deleted.  
Section 09: Vapor Density Value information was added.  
Section 09: Vapor density value information was deleted.  
Section 09: Viscosity information information was deleted.  
Section 09: Viscosity information was added.  
Section 09: VOC Less H<sub>2</sub>O & Exempt Solvents information was added.  
Section 09: Volatile Organic Compounds information was added.  
Section 11: Acute Toxicity table information was modified.  
Section 11: Carcinogenicity Table information was deleted.  
Section 11: Carcinogenicity text information was added.  
Section 11: Germ Cell Mutagenicity Table information was deleted.  
Section 11: Germ Cell Mutagenicity 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.  
Section 15: Methods and Facilities Standards information was modified.  
Taiwan Section 03: Hazardous Ingredient - N/A information was added.  
Taiwan Section 03: Mixture information was added.  
Taiwan Section 03: Not hazardous Ingredient table information was added.  
Taiwan Section 03: Not Hazardous Statement information was added.  
Taiwan Section 03: Pure Material information was added.

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