



## Safety Data Sheet

Copyright, 2014, 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.

<b>Document Group:</b>	20-0585-8	<b>Version Number:</b>	8.00
<b>Issue Date:</b>	04/22/14	<b>Supersedes Date:</b>	03/03/14

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Cavilon™ No Sting Barrier Film with Foam Applicator (IO) 3343, 3344, 3345, 3343E, 3344E, 3345E, 3343P, 3345P, 3343K, 3344ENS

#### Product Identification Numbers

44-0042-8868-2, 70-0051-2794-2, 70-2007-4653-8, 70-2007-4654-6, 70-2007-4655-3, 70-2007-4656-1, 70-2007-4657-9, 70-2007-4658-7, 70-2007-4659-5, 70-2007-4660-3, 70-2007-4673-6, 70-2007-6391-3, 70-2007-6392-1, 70-2007-6393-9, 70-2007-6490-3, 70-2007-6491-1, 70-2007-6492-9, 70-2007-6493-7, 70-2007-6555-3, 70-2007-6556-1, 70-2007-7077-7, 70-2007-7078-5, 70-2007-7079-3, 70-2007-7145-2, 70-2007-7577-6, 70-2007-8412-5, 70-2007-8431-5, 70-2007-8432-3, 70-2007-8433-1, DH-8888-0045-4, DH-8888-1312-7, DH-8888-1313-5, DH-8888-1314-3, DH-8888-1344-0, GH-6206-0441-9, GH-6206-0442-7, GH-6206-0443-5, GH-6206-0444-3, GH-6206-0445-0, GH-6206-0447-6, GH-6206-0448-4, GH-6206-0449-2, GH-6206-0450-0, GH-6206-0452-6, GH-6206-0485-6, GH-6206-0495-5, JH-2001-4669-6, JH-2001-4756-1, KH-9999-1751-2

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

##### Recommended use

Skin protectant barrier film.

#### 1.3. Supplier's details

<b>MANUFACTURER:</b>	3M
<b>DIVISION:</b>	Critical & Chronic Care Solutions Division
<b>ADDRESS:</b>	3M Center, St. Paul, MN 55144-1000, USA
<b>Telephone:</b>	1-888-3M HELPS (1-888-364-3577)

#### 1.4. Emergency telephone number

1-800-364-3577 or (651) 737-6501 (24 hours)

### SECTION 2: Hazard identification

The label elements below were prepared in accordance with OSHA Hazard Communication Standard, 29 CFR 1910.1200. This information may be different from the actual product label information for labels regulated by other agencies.

#### 2.1. Hazard classification

Flammable Liquid: Category 2.

Aspiration Hazard: Category 1.

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

## 2.2. Label elements

### Signal word

Danger

### Symbols

Flame | Health Hazard |

### Pictograms



### Hazard Statements

Highly flammable liquid and vapor.

May be fatal if swallowed and enters airways.

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

### Precautionary Statements

#### General:

Keep out of reach of children.

#### Prevention:

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Ground/bond container and receiving equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Keep container tightly closed.

Use explosion-proof electrical/ventilating/lighting equipment.

Do not breathe dust/fume/gas/mist/vapors/spray.

#### Response:

Do NOT induce vomiting.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Get medical advice/attention if you feel unwell.

In case of fire: Use a fire fighting agent suitable for flammable liquids and solids such as dry chemical or carbon dioxide to extinguish.

#### Storage:

Store in a well-ventilated place. Keep cool.

Store locked up.

#### Disposal:

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

## 2.3. Hazards not otherwise classified

None.

9% of the mixture consists of ingredients of unknown acute oral toxicity.

### SECTION 3: Composition/information on ingredients

Ingredient	C.A.S. No.	% by Wt
Hexamethyldisiloxane	107-46-0	35 - 65
Foam applicator	Unknown	30 - 40
Isooctane	540-84-1	4 - 15 Trade Secret *
Acrylate Terpolymer	Trade Secret*	1 - 8
Polyphenylmethylsiloxane Copolymer	73559-47-4	0.1 - 4

\*The specific chemical identity and/or exact percentage (concentration) of this composition 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:**

No need for first aid is anticipated.

**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:**

Do not induce vomiting. Get immediate medical attention.

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

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 flammable liquids and solids such as dry chemical or carbon dioxide 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

**Condition**

During Combustion  
During Combustion

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

No unusual fire or explosion hazards are anticipated.

## SECTION 6: Accidental release measures

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

Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Ventilate the area with fresh air. 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 using non-sparking tools. Place in a metal container approved for transportation by appropriate authorities. Clean up residue. Seal the container. Dispose of collected material as soon as possible.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Keep out of reach of children. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Avoid release to the environment. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.) Do not get in eyes. Wear low static or properly grounded shoes. To minimize the risk of ignition, determine applicable electrical classifications for the process using this product and select specific local exhaust ventilation equipment to avoid flammable vapor accumulation.

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

Store in a well-ventilated place. Keep container tightly closed. Store away from heat. Store away from acids. Store away from oxidizing agents.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

Ingredient	C.A.S. No.	Agency	Limit type	Additional Comments
Octane	540-84-1	Amer Conf of Gov. Indust. Hyg.	TWA:300 ppm	
Octane	540-84-1	US Dept of Labor - OSHA	TWA:2350 mg/m3(500 ppm)	
Octane, all isomers	540-84-1	Amer Conf of Gov. Indust. Hyg.	TWA:300 ppm	

Amer Conf of Gov. Indust. Hyg. : American Conference of Governmental Industrial Hygienists

American Indust. Hygiene Assoc : American Industrial Hygiene Association

Chemical Manufacturer Rec Guid : Chemical Manufacturer's Recommended Guidelines

US Dept of Labor - OSHA : United States Department of Labor - Occupational Safety and Health Administration

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/vapors/spray. If ventilation is not adequate, use respiratory protection equipment. Use explosion-proof ventilation equipment.

### 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

Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

## SECTION 9: Physical and chemical properties

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

<b>General Physical Form:</b>	Solid
<b>Specific Physical Form:</b>	Fluid on foam applicator or wipe.
<b>Odor, Color, Grade:</b>	Foam applicator or wipe with clear, odorless liquid.
<b>Odor threshold</b>	<i>No Data Available</i>
<b>pH</b>	Approximately 7 [ <i>Details:</i> (For liquid portion)]
<b>Melting point</b>	<i>No Data Available</i>
<b>Boiling Point</b>	212 °F [ <i>Test Method:</i> Tested per ASTM protocol] [ <i>Details:</i> (For liquid portion)]
<b>Flash Point</b>	14 °F [ <i>Test Method:</i> Closed Cup]
<b>Evaporation rate</b>	<=1 [ <i>Test Method:</i> Tested per ASTM protocol] [ <i>Ref Std:</i> ETHER=1]
<b>Flammability (solid, gas)</b>	Not Classified
<b>Flammable Limits(LEL)</b>	0.8 %
<b>Flammable Limits(UEL)</b>	14.1 %
<b>Vapor Pressure</b>	<= 41 mmHg
<b>Vapor Density</b>	<i>Not Applicable</i>
<b>Density</b>	0.78 g/ml [ <i>Details:</i> (For liquid portion)]
<b>Specific Gravity</b>	0.78 [ <i>Test Method:</i> Tested per ASTM protocol] [ <i>Ref Std:</i> WATER=1]
<b>Solubility In Water</b>	<=.1 % [ <i>Test Method:</i> Tested per ASTM protocol]
<b>Solubility- non-water</b>	<i>No Data Available</i>
<b>Partition coefficient: n-octanol/ water</b>	<i>Not Applicable</i>
<b>Autoignition temperature</b>	665 °F
<b>Decomposition temperature</b>	<i>No Data Available</i>
<b>Viscosity</b>	5 centipoise [ <i>Test Method:</i> Tested per ASTM protocol] [ <i>Details:</i> (For liquid portion)]
<b>Volatile Organic Compounds</b>	720 g/l [ <i>Details:</i> (For liquid portion)]

Percent volatile  
VOC Less H2O & Exempt Solvents

88 - 94 %  
*No Data Available*

## 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  
Sparks and/or flames

### 10.5. Incompatible materials

Strong oxidizing agents

### 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.

#### Skin Contact:

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

#### Eye Contact:

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

**Ingestion:**

Chemical (Aspiration) Pneumonitis: Signs/symptoms may include coughing, gasping, choking, burning of the mouth, difficulty breathing, bluish colored skin (cyanosis), and may be fatal.

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

May cause target organ effects after ingestion.

**Target Organ Effects:**

**Prolonged or repeated exposure may cause:**

Liver Effects: Signs/symptoms may include loss of appetite, weight loss, fatigue, weakness, abdominal tenderness and jaundice.

**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
Hexamethyldisiloxane	Dermal	Rabbit	LD50 > 2,000 mg/kg
Hexamethyldisiloxane	Inhalation-Vapor (4 hours)	Rat	LC50 106 mg/l
Hexamethyldisiloxane	Ingestion	Rat	LD50 > 5,000 mg/kg
Isooctane	Dermal	Rabbit	LD50 > 2,000 mg/kg
Isooctane	Inhalation-Vapor (4 hours)	Rat	LC50 > 33.5 mg/l
Isooctane	Ingestion	Rat	LD50 > 5,000 mg/kg

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

Name	Species	Value
Overall product		No significant irritation
Hexamethyldisiloxane	Rabbit	No significant irritation
Isooctane	Human and animal	Minimal irritation

**Serious Eye Damage/Irritation**

Name	Species	Value
Hexamethyldisiloxane	Rabbit	Mild irritant
Isooctane	Rabbit	Mild irritant

**Skin Sensitization**

Name	Species	Value
Hexamethyldisiloxane	Guinea pig	Not sensitizing
Isooctane	Human	Not sensitizing

**Respiratory Sensitization**

Name	Species	Value

**Germ Cell Mutagenicity**

Name	Route	Value

Hexamethyldisiloxane	In Vitro	Not mutagenic
Hexamethyldisiloxane	In vivo	Not mutagenic
Isooctane	In vivo	Not mutagenic
Isooctane	In Vitro	Some positive data exist, but the data are not sufficient for classification

### Carcinogenicity

Name	Route	Species	Value
Hexamethyldisiloxane	Inhalation	Rat	Some positive data exist, but the data are not sufficient for classification

### Reproductive Toxicity

#### Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test Result	Exposure Duration
Hexamethyldisiloxane	Inhalation	Not toxic to female reproduction	Rat	NOAEL 33 mg/l	13 weeks
Hexamethyldisiloxane	Inhalation	Some positive male reproductive data exist, but the data are not sufficient for classification	Rat	NOAEL 33 mg/l	13 weeks
Isooctane	Inhalation	Some positive developmental data exist, but the data are not sufficient for classification	Rat	NOAEL 5.6 mg/l	during organogenesis

### Target Organ(s)

#### Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
Hexamethyldisiloxane	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 33 mg/l	6 hours
Hexamethyldisiloxane	Ingestion	central nervous system depression	Some positive data exist, but the data are not sufficient for classification	Guinea pig	LOAEL 22,900 mg/kg	not applicable
Isooctane	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Multiple animal species	NOAEL Not available	not available
Isooctane	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		NOAEL Not available	
Isooctane	Ingestion	central nervous system depression	May cause drowsiness or dizziness	Multiple animal species	NOAEL Not available	not applicable

#### Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
Hexamethyldisiloxane	Dermal	liver   kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 1,000 mg/kg/day	28 days
Hexamethyldisiloxane	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 4 mg/l	13 weeks
Hexamethyldisiloxane	Inhalation	hematopoietic system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 33 mg/l	13 weeks
Hexamethyldisiloxane	Inhalation	liver	Some positive data exist, but the data are not sufficient for classification	Multiple animal species	NOAEL 29 mg/l	15 days
Hexamethyldisiloxane	Inhalation	heart   endocrine system   immune system   nervous	All data are negative	Rat	NOAEL 33 mg/l	13 weeks



		system   respiratory system				
Isooctane	Inhalation	hematopoietic system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 5.6 mg/l	12 weeks
Isooctane	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	LOAEL 0.2 mg/l	1 years
Isooctane	Ingestion	liver	May cause damage to organs though prolonged or repeated exposure	Rat	LOAEL 350 mg/kg/day	3 days
Isooctane	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL Not available	4 weeks

### Aspiration Hazard

Name	Value
Isooctane	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

### Ecotoxicological information

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

### Chemical fate information

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

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

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

Incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. 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.

**EPA Hazardous Waste Number (RCRA):** D001 (Ignitable)

## 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. US Federal Regulations

Contact 3M for more information.

### 311/312 Hazard Categories:

Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - Yes

### 15.2. State Regulations

Contact 3M for more information.

### 15.3. Chemical Inventories

This material contains one or more substances not listed on the TSCA Inventory. Commercial use of this material is regulated by the FDA.

Contact 3M for more information.

### 15.4. International Regulations

Contact 3M for more information.

**This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.**

## SECTION 16: Other information

### NFPA Hazard Classification

**Health:** 1 **Flammability:** 3 **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.

<b>Document Group:</b>	20-0585-8	<b>Version Number:</b>	8.00
<b>Issue Date:</b>	04/22/14	<b>Supersedes Date:</b>	03/03/14

**DISCLAIMER:** The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M 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 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the SDS available directly from 3M

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