



Safety Data Sheet

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SECTION 1: Identification

1.1. Product identifier

3M™ Cavilon™ Durable Barrier Cream 3353, 3354, 3355, 3391C, 3391G, 3392C, 3392G 3392GS

Product Identification Numbers

ID Number	UPC	ID Number	UPC
LE-B100-3332-5		41-3701-3830-1	
70-2011-9002-5			

7100256540, 4100056151

1.2. Recommended use and restrictions on use

Recommended use

Topically applied medical barrier cream, Barrier cream for incontinence skin care - skin protectant

1.3. Supplier's details

MANUFACTURER: 3M
DIVISION: Medical Solutions Division
ADDRESS: 3M Center, St. Paul, MN 55144-1000, USA
Telephone: 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

2.1. Hazard classification

Serious Eye Damage/Irritation: Category 2A.

2.2. Label elements

Signal word

Warning

Symbols

Exclamation mark |

Pictograms

**Hazard Statements**

Causes serious eye irritation.

Precautionary Statements**Prevention:**

Wear eye/face protection.

Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

27% of the mixture consists of ingredients of unknown acute oral toxicity.

27% of the mixture consists of ingredients of unknown acute dermal toxicity.

SECTION 3: Composition/information on ingredients

Ingredient	C.A.S. No.	% by Wt
Water	7732-18-5	40 - 60
Coconut Oil	8001-31-8	5 - 13
Glycerin	56-81-5	3 - 10
Isopropyl Palmitate	142-91-6	3 - 10
Paraffin	8002-74-2	5 - 10
PPG-15 Stearyl Ether	25231-21-4	3 - 10
Ester Diisooctyl Adipate	108-63-4	1 - 5
Poly(dimethylsiloxane)	63148-62-9	0.5 - 5
White Mineral Oil	8042-47-5	1 - 5
Acrylate Terpolymer	Trade Secret*	1 - 5
Trimethylsiloxysilicate	68988-56-7	0.1 - 3
2-Phenoxyethanol	122-99-6	0.1 - 2 Trade Secret *
Magnesium sulfate heptahydrate	10034-99-8	0.1 - 1
Benzoic Acid	65-85-0	< 0.5
Dehydroacetic Acid	520-45-6	< 0.5

*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:**

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:

Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. 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

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**

Use a fire fighting agent suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

Hazardous Decomposition or By-Products**Substance**

Hydrocarbons
Formaldehyde
Carbon monoxide
Carbon dioxide
Oxides of Sulfur

Condition

During Combustion
During Combustion
During Combustion
During Combustion
During Combustion

5.3. Special protective actions for fire-fighters

No special protective actions for fire-fighters are anticipated.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. 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. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

6.3. Methods and material for containment and cleaning up

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and SDS. 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 eye contact. Do not eat, drink or smoke when using this product. Avoid release to the environment.

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
Glycerin	56-81-5	OSHA	TWA(as total dust):15 mg/m ³ ;TWA(respirable fraction):5 mg/m ³	
Particles (insoluble or poorly soluble) not otherwise specified, inhalable particles	56-81-5	ACGIH	TWA(inhalable particulates):10 mg/m ³	
Particles (insoluble or poorly soluble) not otherwise specified, respirable particles	56-81-5	ACGIH	TWA(respirable particles):3 mg/m ³	
Benzoic Acid	65-85-0	ACGIH	TWA(inhalable fraction and vapor):0.5 mg/m ³	A5: Not suspected human carcin, Danger of cutaneous absorption
DUST, INERT OR NUISANCE	8001-31-8	OSHA	TWA(as total dust):15 mg/m ³ ;TWA(as total dust):50 millions of particles/cu. ft.(15 mg/m ³);TWA(respirable fraction):5 mg/m ³ ;TWA(respirable fraction):15 millions of particles/cu. ft.(5 mg/m ³)	
Particles (insoluble or poorly soluble) not otherwise specified, inhalable particles	8001-31-8	ACGIH	TWA(inhalable particulates):10 mg/m ³	
Particles (insoluble or poorly soluble) not otherwise specified, respirable particles	8001-31-8	ACGIH	TWA(respirable particles):3 mg/m ³	
VEGETABLE OIL MIST, TOTAL DUST	8001-31-8	OSHA	TWA(as total dust):15 mg/m ³ ;TWA(respirable fraction):5 mg/m ³	
Paraffin	8002-74-2	ACGIH	TWA(as fume):2 mg/m ³	
MINERAL OILS, HIGHLY-REFINED OILS	8042-47-5	ACGIH	TWA(inhalable fraction):5 mg/m ³	A4: Not class. as human carcin
Paraffin oil	8042-47-5	OSHA	TWA(as mist):5 mg/m ³	

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

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**

No engineering controls required.

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

Indirect Vented Goggles

Skin/hand protection

No chemical protective gloves are required.

Respiratory protection

None required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state

Liquid

Color

White

Specific Physical Form:

Cream

Odor

Light Odor

Odor threshold

No Data Available

pH

No Data Available

Melting point

No Data Available

Boiling Point

No Data Available

Flash Point

No flash point

Evaporation rate

No Data Available

Flammability (solid, gas)

Not Applicable

Flammable Limits(LEL)

No Data Available

Flammable Limits(UEL)

No Data Available

Vapor Pressure

No Data Available

Vapor Density

No Data Available

Density

0.99 g/ml

Specific Gravity

0.99 [Ref Std: WATER=1]

Solubility In Water

No Data Available

Solubility- non-water

No Data Available

Partition coefficient: n-octanol/ water

No Data Available

Autoignition temperature

No Data Available

Decomposition temperature

No Data Available

Viscosity

20,000 - 150,000 centipoise

Hazardous Air Pollutants

No Data Available

Molecular weight

Not Applicable

Volatile Organic Compounds

No Data Available

Percent volatile

Not Applicable

VOC Less H₂O & Exempt Solvents

No Data Available

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****Condition**

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:

No known health effects.

Skin Contact:

No health effects are expected.

Eye Contact:

Severe Eye Irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

Ingestion:

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

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
Paraffin	Dermal	Rat	LD50 > 5,000 mg/kg
Paraffin	Ingestion	Rat	LD50 > 5,000 mg/kg

Glycerin	Dermal	Rabbit	LD50 estimated to be > 5,000 mg/kg
Glycerin	Ingestion	Rat	LD50 > 5,000 mg/kg
Isopropyl Palmitate	Ingestion	Mouse	LD50 > 5,000 mg/kg
Isopropyl Palmitate	Dermal	Professional judgement	LD50 estimated to be > 5,000 mg/kg
Ester Diisooctyl Adipate	Dermal		LD50 estimated to be > 5,000 mg/kg
Ester Diisooctyl Adipate	Ingestion		LD50 estimated to be > 5,000 mg/kg
Poly(dimethylsiloxane)	Dermal	Rabbit	LD50 > 19,400 mg/kg
White Mineral Oil	Dermal	Rabbit	LD50 > 2,000 mg/kg
Poly(dimethylsiloxane)	Ingestion	Rat	LD50 > 17,000 mg/kg
White Mineral Oil	Ingestion	Rat	LD50 > 5,000 mg/kg
2-Phenoxyethanol	Dermal	Rabbit	LD50 > 2,000 mg/kg
2-Phenoxyethanol	Inhalation-Dust/Mist	Rat	LC50 > 1.5 mg/l
2-Phenoxyethanol	Ingestion	Rat	LD50 1,394 mg/kg
Dehydroacetic Acid	Dermal		estimated to be > 5,000 mg/kg
Dehydroacetic Acid	Inhalation-Dust/Mist		estimated to be > 12.5 mg/l
Dehydroacetic Acid	Ingestion		estimated to be 300 - 2,000 mg/kg
Benzoic Acid	Dermal	Rabbit	LD50 > 2,000 mg/kg
Benzoic Acid	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 12.2 mg/l
Benzoic Acid	Ingestion	Rat	LD50 2,565 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Paraffin	Rabbit	No significant irritation
Glycerin	Rabbit	No significant irritation
Isopropyl Palmitate	Rabbit	Minimal irritation
Ester Diisooctyl Adipate	Professional judgement	Minimal irritation
Poly(dimethylsiloxane)	Rabbit	No significant irritation
White Mineral Oil	Rabbit	No significant irritation
2-Phenoxyethanol	Rabbit	No significant irritation
Benzoic Acid	Human	Irritant

Serious Eye Damage/Irritation

Name	Species	Value
Paraffin	Rabbit	No significant irritation
Glycerin	Rabbit	No significant irritation
Isopropyl Palmitate	Rabbit	No significant irritation
Ester Diisooctyl Adipate	Professional judgement	Mild irritant
Poly(dimethylsiloxane)	Rabbit	No significant irritation
White Mineral Oil	Rabbit	Mild irritant
2-Phenoxyethanol	Rabbit	Corrosive
Benzoic Acid	Rabbit	Corrosive

Skin Sensitization

Name	Species	Value
Paraffin	Guinea pig	Not classified

Glycerin	Guinea pig	Not classified
White Mineral Oil	Guinea pig	Not classified
2-Phenoxyethanol	Guinea pig	Not classified
Benzoic Acid	Multiple animal species	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
Paraffin	In Vitro	Not mutagenic
White Mineral Oil	In Vitro	Not mutagenic
2-Phenoxyethanol	In Vitro	Not mutagenic
2-Phenoxyethanol	In vivo	Not mutagenic
Benzoic Acid	In Vitro	Some positive data exist, but the data are not sufficient for classification

Carcinogenicity

Name	Route	Species	Value
Paraffin	Ingestion	Rat	Not carcinogenic
Glycerin	Ingestion	Mouse	Some positive data exist, but the data are not sufficient for classification
White Mineral Oil	Dermal	Mouse	Not carcinogenic
White Mineral Oil	Inhalation	Multiple animal species	Not carcinogenic
2-Phenoxyethanol	Ingestion	Multiple animal species	Not carcinogenic

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test Result	Exposure Duration
Glycerin	Ingestion	Not classified for female reproduction	Rat	NOAEL 2,000 mg/kg/day	2 generation
Glycerin	Ingestion	Not classified for male reproduction	Rat	NOAEL 2,000 mg/kg/day	2 generation
Glycerin	Ingestion	Not classified for development	Rat	NOAEL 2,000 mg/kg/day	2 generation
White Mineral Oil	Ingestion	Not classified for female reproduction	Rat	NOAEL 4,350 mg/kg/day	13 weeks
White Mineral Oil	Ingestion	Not classified for male reproduction	Rat	NOAEL 4,350 mg/kg/day	13 weeks
White Mineral Oil	Ingestion	Not classified for development	Rat	NOAEL 4,350 mg/kg/day	during gestation
2-Phenoxyethanol	Ingestion	Not classified for female reproduction	Mouse	NOAEL 3,700 mg/kg/day	2 generation
2-Phenoxyethanol	Ingestion	Not classified for male reproduction	Mouse	NOAEL 3,700 mg/kg/day	2 generation
2-Phenoxyethanol	Dermal	Not classified for development	Rabbit	NOAEL 600 mg/kg/day	during organogenesis
2-Phenoxyethanol	Ingestion	Not classified for development	Rat	NOAEL 1,000 mg/kg/day	during gestation
Benzoic Acid	Ingestion	Not classified for female reproduction	Rat	NOAEL 900 mg/kg/day	4 generation

Benzoic Acid	Ingestion	Not classified for male reproduction	Rat	NOAEL 900 mg/kg/day	4 generation
Benzoic Acid	Ingestion	Not classified for development	Rat	NOAEL 900 mg/kg/day	4 generation

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
2-Phenoxyethanol	Inhalation	respiratory irritation	May cause respiratory irritation	official classification	NOAEL Not available	
Benzoic Acid	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
Paraffin	Ingestion	heart	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 15 mg/kg/day	90 days
Paraffin	Ingestion	hematopoietic system liver immune system skin endocrine system bone, teeth, nails, and/or hair muscles nervous system eyes kidney and/or bladder respiratory system vascular system	Not classified	Rat	NOAEL 1,500 mg/kg/day	90 days
Glycerin	Inhalation	respiratory system heart liver kidney and/or bladder	Not classified	Rat	NOAEL 3.91 mg/l	14 days
Glycerin	Ingestion	endocrine system hematopoietic system liver kidney and/or bladder	Not classified	Rat	NOAEL 10,000 mg/kg/day	2 years
White Mineral Oil	Ingestion	hematopoietic system	Not classified	Rat	NOAEL 1,381 mg/kg/day	90 days
White Mineral Oil	Ingestion	liver immune system	Not classified	Rat	NOAEL 1,336 mg/kg/day	90 days
2-Phenoxyethanol	Dermal	skin hematopoietic system liver eyes	Not classified	Rabbit	NOAEL 500 mg/kg/day	13 weeks
2-Phenoxyethanol	Ingestion	heart endocrine system hematopoietic system liver immune system nervous system kidney and/or bladder respiratory system	Not classified	Rat	NOAEL 1,514 mg/kg/day	13 weeks
Benzoic Acid	Dermal	heart skin endocrine system gastrointestinal tract hematopoietic system liver immune system	Not classified	Rabbit	NOAEL 2,500 mg/kg/day	21 days

		muscles nervous system kidney and/or bladder respiratory system				
Benzoic Acid	Inhalation	respiratory system	Causes damage to organs through prolonged or repeated exposure	Rat	LOAEL 0.025 mg/l	28 days
Benzoic Acid	Inhalation	heart endocrine system gastrointestinal tract bone, teeth, nails, and/or hair hematopoietic system liver immune system nervous system eyes kidney and/or bladder	Not classified	Rat	NOAEL 1.2 mg/l	28 days

Aspiration Hazard

Name	Value
White Mineral Oil	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.

Prior to disposal, consult all applicable authorities and regulations to insure proper classification. Dispose of waste product in a permitted industrial waste facility. Empty and clean product containers may be disposed as non-hazardous waste. Consult your specific regulations and service providers to determine available options and requirements.

EPA Hazardous Waste Number (RCRA): Not regulated

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.

EPCRA 311/312 Hazard Classifications:

Physical Hazards

Not applicable

Health Hazards

Serious eye damage or eye irritation

Section 313 Toxic Chemicals subject to the reporting requirements of that section and 40 CFR part 372 (EPCRA):**Ingredient****C.A.S. No****% by Wt**

2-Phenoxyethanol (CAS NO SEQ548L1)

122-99-6

Trade Secret 0.1 - 2

2-Phenoxyethanol (GLYCOL ETHERS)

122-99-6

Trade Secret 0.1 - 2

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:** 2 **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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