Safety Data Sheet

Document Group:	06-8476-1	**Version Number:**	21.00
Issue Date:	03/01/23	**Supercedes Date:**	05/21/18

SECTION 1: Identification

1.1. Product identifier
3M™ Deodorizer - Mountain Spice - Concentrate (Product No. 14, Twist 'n Fill™ System)

Product Identification Numbers

ID Number	UPC	ID Number	UPC
61-0000-6337-2		70-0708-4014-8	00-48011-20120-2
70-0716-6114-7		70-0716-8288-7	00-48011-20120-2

7000002090, 7100057516, 7010328501, 7100202869

1.2. Recommended use and restrictions on use

Recommended use
Deodorizer, Long-lasting deodorizer leaves a fragrant, spicy scent.

1.3. Supplier's details

MANUFACTURER:	3M
DIVISION:	Commercial 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
Acute Toxicity (oral): Category 4.
Serious Eye Damage/Irritation: Category 1.
Skin Corrosion/Irritation: Category 2.
Skin Sensitizer: Category 1.

2.2. Label elements
Signal word
Danger

Symbols
Corrosion | Exclamation mark |

Pictograms

Hazard Statements
Harmful if swallowed.
Causes serious eye damage.
Causes skin irritation.
May cause an allergic skin reaction.

Precautionary Statements

Prevention:
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wear protective gloves and eye/face protection.
Do not eat, drink or smoke when using this product.
Wash thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.

Response:
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF ON SKIN: Wash with plenty of soap and water.
Immediately call a POISON CENTER or doctor/physician.
If skin irritation or rash occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
Rinse mouth.
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

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

11% of the mixture consists of ingredients of unknown acute oral toxicity.
12% of the mixture consists of ingredients of unknown acute dermal toxicity.
19% of the mixture consists of ingredients of unknown acute inhalation toxicity.

SECTION 3: Composition/information on ingredients

Ingredient	C.A.S. No.	% by Wt
C8-10 Alcohols Ethoxylated Propoxylated	68603-25-8	30 - 50 Trade Secret *
Polysorbate 20	9005-64-5	10 - 30 Trade Secret *
Fragrance (NJTSRN 04499600-6518)	Trade Secret*	< 30 Trade Secret *
Water	7732-18-5	10 - 20 Trade Secret *
Cinnamal	104-55-2	< 3 Trade Secret *
Eucalyptus Oil	8000-48-4	< 3 Trade Secret *
Amyl Cinnamal	122-40-7	< 2 Trade Secret *
BENZYL SALICYLATE	118-58-1	< 2 Trade Secret *
COUMARIN	91-64-5	< 2 Trade Secret *
Eugenol	97-53-0	< 2 Trade Secret *
Geraniol	106-24-1	< 2 Trade Secret *

Linalool	78-70-6	< 2 Trade Secret *
Methoxyisopropanol	107-98-2	<= 2 Trade Secret *
Terpenes and terpenoids, sweet orange-oil	68647-72-3	< 2 Trade Secret *
Fragrance #1	Trade Secret*	< 2 Trade Secret *
Fragrance #2	Trade Secret*	< 2 Trade Secret *
Fragrance #3	Trade Secret*	< 2 Trade Secret *
Acid Green 25	4403-90-1	< 0.1 Trade Secret *
Acid Yellow 73 Sodium Salt	518-47-8	< 0.1 Trade Secret *
Acid Violet 43	4430-18-6	< 0.01 Trade Secret *

NJTS or NJTSRN: New Jersey Trade Secret Registry Number.

*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:
Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

Eye Contact:
Immediately flush with large amounts of water for at least 15 minutes. Remove contact lenses if easy to do. Continue rinsing. Immediately 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

Allergic skin reaction (redness, swelling, blistering, and itching). Serious damage to the eyes (corneal cloudiness, severe pain, tearing, ulcerations, and significantly impaired or loss of vision).

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. Special hazards arising from the substance or mixture
Closed containers exposed to heat from fire may build pressure and explode.

Hazardous Decomposition or By-Products

Substance	Condition
Carbon monoxide	During Combustion
Carbon dioxide	During Combustion

5.3. Special protective actions for fire-fighters
Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and

prevent explosive rupture. 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
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 metal container approved for transportation by appropriate authorities. Clean up residue with water. 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
This product is not intended to be used without prior dilution as specified on the product label. Grounding or safety shoes with electrostatic dissipating soles (ESD) are not required with a chemical dispensing system. Keep out of reach of children. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.)

7.2. Conditions for safe storage including any incompatibilities
Store away from oxidizing agents.

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
Methoxyisopropanol	107-98-2	ACGIH	TWA:50 ppm;STEL:100 ppm	A4: Not class. as human carcin

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
NOTE: When used with a chemical dispensing system as directed, special ventilation is not required. 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.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

NOTE: When used with a chemical dispensing system as directed, eye contact with the concentrate is not expected to occur. The following protection(s) are recommended if the product is not used with a chemical dispensing system or if there is an accidental release, wear protective 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:
Full Face Shield
Indirect Vented Goggles

Skin/hand protection
NOTE: When used with a chemical dispensing system as directed, skin contact with the concentrate is not expected to occur.
If product is not used with a chemical dispensing system or if there is an accidental release:
Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing.
Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity.
Gloves made from the following material(s) are recommended: Polymer laminate

If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary.
If product is not used with a chemical dispensing system or if there is an accidental release:
Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended:
Apron - polymer laminate

Respiratory protection

NOTE: When used with a chemical dispensing system as directed, respiratory protection is not required.
If product is not used with a chemical dispensing system or if there is an accidental release:
An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:
Half facepiece or full facepiece air-purifying respirator suitable for organic vapors and particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	
Physical state	Liquid
Color	Green
Specific Physical Form:	Liquid
Odor	Strong Spicy

Odor threshold	*No Data Available*
pH	6.5 - 8.5
Melting point	*Not Applicable*
Boiling Point	Approximately 200 ºF
Flash Point	> 200 ºF [*Test Method:*Closed Cup]
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	1.019 - 1.039 g/ml
Specific Gravity	1.019 - 1.039 [*Ref Std:*WATER=1]
Solubility in Water	Complete
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	26 Saybolt Universal Second - 38 Saybolt Universal Second
Molecular weight	*Not Applicable*
Volatile Organic Compounds	1 - 5 % weight [*Test Method:*calculated per CARB title 2]
VOC Less H2O & Exempt Solvents	25 - 35 g/l [*Test Method:*calculated per CARB title 2]

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
None known.

10.5. Incompatible materials
Strong oxidizing agents

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:
Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Skin Contact:
May be harmful in contact with skin.
Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, dryness, cracking, blistering, and pain.
Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Eye Contact:
Corrosive (Eye Burns): Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

Ingestion:
Harmful if swallowed. 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 >2,000 - =5,000 mg/kg
Overall product	Inhalation-Vapor(4 hr)		No data available; calculated ATE >50 mg/l
Overall product	Ingestion		No data available; calculated ATE >300 - =2,000 mg/kg
C8-10 Alcohols Ethoxylated Propoxylated	Dermal	Rabbit	LD50 >= 1,680 mg/kg
C8-10 Alcohols Ethoxylated Propoxylated	Ingestion	Rat	LD50 >= 810 mg/kg
Polysorbate 20	Ingestion	Hamster	LD50 18,000 mg/kg
Polysorbate 20	Dermal	Professional judgement	LD50 estimated to be > 5,000 mg/kg
Polysorbate 20	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 5.1 mg/l
Eucalyptus Oil	Dermal		LD50 estimated to be 2,000 - 5,000 mg/kg
Cinnamal	Dermal	Rabbit	LD50 > 2,000 mg/kg
Cinnamal	Ingestion	Rat	LD50 2,200 mg/kg
Eucalyptus Oil	Ingestion	Rat	LD50 2,480 mg/kg
Methoxyisopropanol	Dermal	Rabbit	LD50 11,000-13,800 mg/kg
Methoxyisopropanol	Inhalation-Vapor (4 hours)	Rat	LC50 56 mg/l
Methoxyisopropanol	Ingestion	Rat	LD50 6,100 mg/kg
Linalool	Dermal	Rabbit	LD50 5,610 mg/kg
Linalool	Ingestion	Rat	LD50 2,790 mg/kg
Eugenol	Dermal		LD50 estimated to be 2,000 - 5,000 mg/kg
Terpenes and terpenoids, sweet orange-oil	Inhalation-Vapor (4 hours)	Mouse	LC50 > 3.14 mg/l
Fragrance #2	Dermal	Rabbit	LD50 5,610 mg/kg
Geraniol	Dermal	Rabbit	LD50 > 5,000 mg/kg

Terpenes and terpenoids, sweet orange-oil	Dermal	Rabbit	LD50 > 5,000 mg/kg
COUMARIN	Ingestion	Rat	LD50 > 300 mg/kg
Eugenol	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 2.58 mg/l
Eugenol	Ingestion	Rat	LD50 > 2,000 mg/kg
Fragrance #2	Ingestion	Rat	LD50 > 9,000 mg/kg
Geraniol	Ingestion	Rat	LD50 3,600 mg/kg
Terpenes and terpenoids, sweet orange-oil	Ingestion	Rat	LD50 4,400 mg/kg
Fragrance #1	Dermal	Rabbit	LD50 2,535 mg/kg
Fragrance #1	Ingestion	Rat	LD50 1,609 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
C8-10 Alcohols Ethoxylated Propoxylated	Rabbit	Irritant
Polysorbate 20	Rabbit	Minimal irritation
Cinnamal	Human	Mild irritant
Eucalyptus Oil	Not available	Minimal irritation
Methoxyisopropanol	Not available	Minimal irritation
Linalool	Rabbit	Irritant
Eugenol	Rabbit	Mild irritant
Fragrance #2	Rabbit	Irritant
Geraniol	Rabbit	Irritant
Terpenes and terpenoids, sweet orange-oil	Rabbit	Mild irritant
Fragrance #1	Rabbit	Minimal irritation

Serious Eye Damage/Irritation

Name	Species	Value
C8-10 Alcohols Ethoxylated Propoxylated	Rabbit	Corrosive
Polysorbate 20	Rabbit	No significant irritation
Cinnamal	Human	Moderate irritant
Eucalyptus Oil	Not available	Mild irritant
Methoxyisopropanol	Not available	Mild irritant
Linalool	Rabbit	Moderate irritant
Eugenol	Rabbit	Severe irritant
Fragrance #2	Rabbit	Severe irritant
Geraniol	Rabbit	Corrosive
Terpenes and terpenoids, sweet orange-oil	Rabbit	Mild irritant
Fragrance #1	Rabbit	Corrosive

Skin Sensitization

Name	Species	Value
Polysorbate 20	Guinea pig	Not classified
Cinnamal	Human and animal	Sensitizing
Eucalyptus Oil	Human	Not classified
Methoxyisopropanol	Guinea pig	Not classified
Linalool	Mouse	Sensitizing
COUMARIN	Human	Some positive data exist, but the data are not sufficient for classification
Eugenol	Mouse	Sensitizing
Fragrance #2	Mouse	Sensitizing
Geraniol	Human	Sensitizing

	and animal	
Terpenes and terpenoids, sweet orange-oil	Mouse	Sensitizing

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
Polysorbate 20	In Vitro	Not mutagenic
Cinnamal	In vivo	Not mutagenic
Cinnamal	In Vitro	Some positive data exist, but the data are not sufficient for classification
Methoxyisopropanol	In Vitro	Not mutagenic
Eugenol	In Vitro	Not mutagenic
Eugenol	In vivo	Not mutagenic
Terpenes and terpenoids, sweet orange-oil	In Vitro	Not mutagenic
Terpenes and terpenoids, sweet orange-oil	In vivo	Not mutagenic

Carcinogenicity

Name	Route	Species	Value
Methoxyisopropanol	Inhalation	Multiple animal species	Some positive data exist, but the data are not sufficient for classification
Eugenol	Ingestion	Mouse	Some positive data exist, but the data are not sufficient for classification
Terpenes and terpenoids, sweet orange-oil	Ingestion	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
Polysorbate 20	Ingestion	Not classified for development	Rat	NOAEL 500 mg/kg/day	during organogenesis
Cinnamal	Ingestion	Not classified for development	Rat	NOAEL 250 mg/kg/day	during organogenesis
Methoxyisopropanol	Inhalation	Not classified for male reproduction	Rat	NOAEL 11 mg/l	2 generation
Methoxyisopropanol	Ingestion	Not classified for female reproduction	Mouse	NOAEL 3,328 mg/kg/day	2 generation
Methoxyisopropanol	Inhalation	Not classified for female reproduction	Rat	NOAEL 3.7 mg/l	2 generation
Methoxyisopropanol	Ingestion	Not classified for male reproduction	Mouse	NOAEL 3,328 mg/kg	2 generation
Methoxyisopropanol	Ingestion	Not classified for development	Rat	NOAEL 370 mg/kg	during gestation
Methoxyisopropanol	Inhalation	Not classified for development	Rat	NOAEL 3.7 mg/l	2 generation
Terpenes and terpenoids, sweet orange-oil	Ingestion	Not classified for female reproduction	Rat	NOAEL 750 mg/kg/day	premating & during gestation
Terpenes and terpenoids, sweet orange-oil	Ingestion	Not classified for development	Multiple animal species	NOAEL 591 mg/kg/day	during organogenesis
Fragrance #1	Dermal	Not classified for development	Rat	NOAEL 70 mg/kg/day	during organogenesis
Fragrance #1	Ingestion	Not classified for development	Rat	NOAEL Not available	during organogenesi

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Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
C8-10 Alcohols Ethoxylated Propoxylated	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	
Eucalyptus Oil	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL Not available	environmental exposure
Eucalyptus Oil	Ingestion	central nervous system depression	May cause drowsiness or dizziness	Human	NOAEL Not available	poisoning and/or abuse
Eucalyptus Oil	Ingestion	kidney and/or bladder	Not classified	Human	NOAEL Not available	poisoning and/or abuse
Methoxyisopropanol	Dermal	central nervous system depression	Not classified	Rabbit	NOAEL 1,800 mg/kg	13 weeks
Methoxyisopropanol	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human	NOAEL Not available	
Linalool	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL not available	
Eugenol	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	
Fragrance #2	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL not available	
Geraniol	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL not available	
Terpenes and terpenoids, sweet orange-oil	Ingestion	nervous system	Not classified		NOAEL Not available	

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
Polysorbate 20	Ingestion	heart | endocrine system | gastrointestinal tract | hematopoietic system | liver | muscles | nervous system | kidney and/or bladder | respiratory system	Not classified	Rat	NOAEL 2,000 mg/kg/day	2 years
Cinnamal	Ingestion	liver	Not classified	Rat	NOAEL 500 mg/kg/day	16 weeks
Cinnamal	Ingestion	blood	Not classified	Rat	NOAEL 5,000 mg/kg/day	13 weeks
Cinnamal	Ingestion	kidney and/or bladder	Not classified	Rat	NOAEL 227 mg/kg/day	12 weeks
Methoxyisopropanol	Dermal	kidney and/or bladder	Not classified	Rabbit	NOAEL 1,800 mg/kg/day	13 weeks
Methoxyisopropanol	Dermal	hematopoietic system	Not classified	Rabbit	NOAEL 1,000 mg/kg/day	3 weeks
Methoxyisopropanol	Inhalation	kidney and/or bladder	Not classified	Rat	NOAEL 3.7 mg/l	13 weeks
Methoxyisopropanol	Inhalation	liver	Not classified	Rat	NOAEL 11 mg/l	13 weeks
Methoxyisopropanol	Inhalation	hematopoietic	Not classified	Rat	NOAEL 2.2	10 days

		system			mg/l	
Methoxyisopropanol	Ingestion	liver	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 920 mg/kg/day	13 weeks
Methoxyisopropanol	Ingestion	kidney and/or bladder	Not classified	Rat	NOAEL 920 mg/kg/day	13 weeks
Eugenol	Ingestion	liver	Not classified	Rat	NOAEL 900 mg/kg/day	4 days
Eugenol	Ingestion	endocrine system | gastrointestinal tract	Not classified	Rat	NOAEL 1,400 mg/kg/day	34 days
Eugenol	Ingestion	hematopoietic system	Not classified	Rat	NOAEL 500 mg/kg/day	19 weeks
Terpenes and terpenoids, sweet orange-oil	Ingestion	kidney and/or bladder	Not classified	Rat	LOAEL 75 mg/kg/day	103 weeks
Terpenes and terpenoids, sweet orange-oil	Ingestion	liver	Not classified	Mouse	NOAEL 1,000 mg/kg/day	103 weeks
Terpenes and terpenoids, sweet orange-oil	Ingestion	heart | endocrine system | bone, teeth, nails, and/or hair | hematopoietic system | immune system | muscles | nervous system | respiratory system	Not classified	Rat	NOAEL 600 mg/kg/day	103 weeks

Aspiration Hazard

Name	Value
Eucalyptus Oil	Some positive data exist, but the data are not sufficient for classification
Terpenes and terpenoids, sweet orange-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.

Dispose of waste product in a permitted industrial waste facility. 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): D006 (Cadmium), D009 (Mercury), D010 (Selenium)

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

EPCRA 311/312 Hazard Classifications:

Physical Hazards
Not applicable

Health Hazards
Acute toxicity
Respiratory or Skin Sensitization
Serious eye damage or eye irritation
Skin Corrosion or Irritation

15.2. State Regulations

15.3. Chemical Inventories

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 product are in compliance with the new substance notification requirements of CEPA.

The components of this material are in compliance with the China "Measures on Environmental Management of New Chemical Substance". Certain restrictions may apply. Contact the selling division for additional information.

The components of this material are in compliance with the provisions of the Korean Toxic Chemical 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 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 chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

This product complies with the New Zealand Hazardous Substances and New Organisms Act (1996).

15.4. International Regulations

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: 3 **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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