



Safety Data Sheet

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SECTION 1: Identification

1.1. Product identifier

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

Product Identification Numbers

61-0000-6337-2, 70-0708-4014-8, 70-0716-6114-7, 70-0716-8288-7

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

Serious Eye Damage/Irritation: Category 2A.

Skin Sensitizer: Category 1.

2.2. Label elements

Signal word

Warning

Symbols

Exclamation mark |

Pictograms

**Hazard Statements**

Causes serious eye irritation.

May cause an allergic skin reaction.

Precautionary Statements**Prevention:**

Avoid breathing dust/fume/gas/mist/vapors/spray.

Wear eye/face protection.

Wear protective gloves.

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 eye irritation persists: Get medical advice/attention.

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Disposal:

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

53% of the mixture consists of ingredients of unknown acute oral toxicity.

SECTION 3: Composition/information on ingredients

Ingredient	C.A.S. No.	% by Wt
POLYALKOXY ALCOHOLS	69013-18-9	30 - 60 Trade Secret *
SORBITAN POLYETHOXY MONOLAURATE	9005-64-5	10 - 30 Trade Secret *
WATER	7732-18-5	10 - 30 Trade Secret *
CINNAMIC ALDEHYDE	104-55-2	1 - 5 Trade Secret *
EUCALYPTUS OIL	8000-48-4	1 - 5 Trade Secret *
1-METHOXY-2-PROPANOL	107-98-2	1 - 5 Trade Secret *
4-ALLYL-2-METHOXYPHENOL	97-53-0	0.1 - 1.5 Trade Secret *
TRANS-3,7-DIMETHYL-2,6-OCTADIENOL	106-24-1	0.1 - 1.5 Trade Secret *
tERPENES AND tERPENOID, SWEET ORANGE-OIL	68647-72-3	0.1 - 1.5 Trade Secret *

*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. 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

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 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**

Carbon monoxide

Carbon dioxide

Condition

During Combustion

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.

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 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

For industrial or professional use only. 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
1-METHOXY-2-PROPANOL	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

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

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. 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:
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.

Gloves made from the following material(s) are recommended: Nitrile Rubber

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 – Nitrile

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

General Physical Form:	Liquid
Specific Physical Form:	Liquid
Odor, Color, Grade:	Strong spicy odor green liquid
Odor threshold	No Data Available
pH	6.5 - 8.5
Melting point	Not Applicable
Boiling Point	Approximately 200 °F
Flash Point	> 200 °F [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 - 38 sec
Volatile Organic Compounds	1 - 5 % [Test Method: calculated per CARB title 2]
VOC Less H ₂ O & 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:

Contact with the skin during product use is not expected to result in significant irritation. Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

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	Ingestion		No data available; calculated ATE >5,000 mg/kg
SORBITAN POLYETHOXY MONOLAUATE	Dermal		LD50 estimated to be > 5,000 mg/kg
SORBITAN POLYETHOXY MONOLAUATE	Ingestion	Rat	LD50 40,600 mg/kg
EUCALYPTUS OIL	Dermal		LD50 estimated to be 2,000 - 5,000 mg/kg
CINNAMIC ALDEHYDE	Dermal	Rabbit	LD50 > 2,000 mg/kg
CINNAMIC ALDEHYDE	Ingestion	Rat	LD50 2,200 mg/kg
EUCALYPTUS OIL	Ingestion	Rat	LD50 2,480 mg/kg
1-METHOXY-2-PROPANOL	Dermal	Rabbit	LD50 11,000-13,800 mg/kg
1-METHOXY-2-PROPANOL	Inhalation-Vapor (4 hours)	Rat	LC50 56 mg/l
1-METHOXY-2-PROPANOL	Ingestion	Rat	LD50 6,100 mg/kg
4-ALLYL-2-METHOXYPHENOL	Dermal		LD50 estimated to be 2,000 - 5,000 mg/kg
4-ALLYL-2-METHOXYPHENOL	Ingestion		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
TERPENES AND TERPENOIDS, SWEET ORANGE-OIL	Dermal	Rabbit	LD50 > 5,000 mg/kg
TRANS-3,7-DIMETHYL-2,6-OCTADIENOL	Dermal	Rabbit	LD50 > 5,000 mg/kg
4-ALLYL-2-METHOXYPHENOL	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 2.58 mg/l
TERPENES AND TERPENOIDS, SWEET ORANGE-OIL	Ingestion	Rat	LD50 4,400 mg/kg
TRANS-3,7-DIMETHYL-2,6-OCTADIENOL	Ingestion	Rat	LD50 3,600 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Overall product		Minimal irritation
CINNAMIC ALDEHYDE	Human	Mild irritant
EUCALYPTUS OIL	Not available	Minimal irritation
1-METHOXY-2-PROPANOL	Not available	Minimal irritation
4-ALLYL-2-METHOXYPHENOL	Professional judgement	Minimal irritation
TERPENES AND TERPENOIDS, SWEET ORANGE-OIL	Rabbit	Mild irritant

Serious Eye Damage/Irritation

Name	Species	Value
Overall product		Severe irritant
CINNAMIC ALDEHYDE	Human	Moderate irritant
EUCALYPTUS OIL	Not available	Mild irritant
1-METHOXY-2-PROPANOL	Not available	Mild irritant
4-ALLYL-2-METHOXYPHENOL	Professional judgement	Mild irritant
TERPENES AND TERPENOIDS, SWEET ORANGE-OIL	Rabbit	Mild irritant

Skin Sensitization

Name	Species	Value
CINNAMIC ALDEHYDE	Human and	Sensitizing

	animal	
EUCALYPTUS OIL	Human	Not classified
1-METHOXY-2-PROPANOL	Guinea pig	Not classified
4-ALLYL-2-METHOXYPHENOL	Multiple animal species	Sensitizing
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
CINNAMIC ALDEHYDE	In vivo	Not mutagenic
CINNAMIC ALDEHYDE	In Vitro	Some positive data exist, but the data are not sufficient for classification
1-METHOXY-2-PROPANOL	In Vitro	Not mutagenic
4-ALLYL-2-METHOXYPHENOL	In Vitro	Some positive data exist, but the data are not sufficient for classification
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
1-METHOXY-2-PROPANOL	Inhalation	Multiple animal species	Some positive data exist, but the data are not sufficient for classification
4-ALLYL-2-METHOXYPHENOL	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
CINNAMIC ALDEHYDE	Ingestion	Not classified for development	Rat	NOAEL 250 mg/kg/day	during organogenesis
1-METHOXY-2-PROPANOL	Inhalation	Not classified for male reproduction	Rat	NOAEL 11 mg/l	2 generation
1-METHOXY-2-PROPANOL	Ingestion	Not classified for female reproduction	Mouse	NOAEL 3,328 mg/kg/day	2 generation
1-METHOXY-2-PROPANOL	Inhalation	Not classified for female reproduction	Rat	NOAEL 3.7 mg/l	2 generation
1-METHOXY-2-PROPANOL	Ingestion	Not classified for male reproduction	Mouse	NOAEL 3,328 mg/kg	2 generation
1-METHOXY-2-PROPANOL	Ingestion	Not classified for development	Rat	NOAEL 370 mg/kg	during gestation
1-METHOXY-2-PROPANOL	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	prematings & during gestation
TERPENES AND TERPENOIDS, SWEET ORANGE-OIL	Ingestion	Not classified for development	Multiple animal species	NOAEL 591 mg/kg/day	during organogenesis

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
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
1-METHOXY-2-PROPANOL	Dermal	central nervous system depression	Not classified	Rabbit	NOAEL 1,800 mg/kg	13 weeks
1-METHOXY-2-PROPANOL	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human	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
CINNAMIC ALDEHYDE	Ingestion	liver	Not classified	Rat	NOAEL 500 mg/kg/day	16 weeks
CINNAMIC ALDEHYDE	Ingestion	blood	Not classified	Rat	NOAEL 5,000 mg/kg/day	13 weeks
CINNAMIC ALDEHYDE	Ingestion	kidney and/or bladder	Not classified	Rat	NOAEL 227 mg/kg/day	12 weeks
1-METHOXY-2-PROPANOL	Dermal	kidney and/or bladder	Not classified	Rabbit	NOAEL 1,800 mg/kg/day	13 weeks
1-METHOXY-2-PROPANOL	Dermal	hematopoietic system	Not classified	Rabbit	NOAEL 1,000 mg/kg/day	3 weeks
1-METHOXY-2-PROPANOL	Inhalation	kidney and/or bladder	Not classified	Rat	NOAEL 3.7 mg/l	13 weeks
1-METHOXY-2-PROPANOL	Inhalation	liver	Not classified	Rat	NOAEL 11 mg/l	13 weeks
1-METHOXY-2-PROPANOL	Inhalation	hematopoietic system	Not classified	Rat	NOAEL 2.2 mg/l	10 days
1-METHOXY-2-PROPANOL	Ingestion	liver	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 920 mg/kg/day	13 weeks
1-METHOXY-2-PROPANOL	Ingestion	kidney and/or bladder	Not classified	Rat	NOAEL 920 mg/kg/day	13 weeks
4-ALLYL-2-METHOXYPHENOL	Ingestion	liver	Not classified	Rat	NOAEL 900 mg/kg/day	4 days
4-ALLYL-2-METHOXYPHENOL	Ingestion	endocrine system	Not classified	Rat	LOAEL 1,400 mg/kg	34 days
4-ALLYL-2-METHOXYPHENOL	Ingestion	blood	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. As a disposal alternative, 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): 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****EPCRA 311/312 Hazard Classifications:****Physical Hazards**

Not applicable

Health Hazards

Serious eye damage or eye 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: 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.

HMIS Hazard Classification

Health: 2 **Flammability:** 1 **Physical Hazard:** 0 **Personal Protection:** X - See PPE section.

Hazardous Material Identification System (HMIS® IV) hazard ratings are designed to inform employees of chemical hazards in the workplace. These ratings are based on the inherent properties of the material under expected conditions of normal use and are not intended for use in emergency situations. HMIS® IV ratings are to be used with a fully implemented HMIS® IV program. HMIS® is a registered mark of the American Coatings Association (ACA).

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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.

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