



Safety Data Sheet

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SECTION 1: Identification

1.1. Product identifier

3M™ Enzyme Digester Ready-to-Use

Product Identification Numbers

ID Number	UPC	ID Number	UPC
70-0713-1182-6	00-48011-34753-5		

7010384734

1.2. Recommended use and restrictions on use

Recommended use

Enzyme Digester, Contains non-pathogenic enzyme producing bacteria. Digests waste material and odor from urine, vomit, feces and other organic waste. Eliminates odors from the source, doesn't mask them.

1.3. Supplier's details

MANUFACTURER:	3M
DIVISION:	Commercial Branding and Transportation 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

Skin Sensitizer: Category 1A.

2.2. Label elements

Signal word

Warning

Symbols

Exclamation mark |

Pictograms

**Hazard Statements**

May cause an allergic skin reaction.

Precautionary Statements**General:**

Keep out of reach of children.

Prevention:

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

Wear protective gloves.

Contaminated work clothing must not be allowed out of the workplace.

Response:

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.

SECTION 3: Composition/information on ingredients

Ingredient	C.A.S. No.	% by Wt
C9-11 Alcohols Ethoxylated	68439-46-3	< 5 Trade Secret *
Styrene Copolymer	9003-53-6	0.02 - 0.5 Trade Secret *
Tetrasodium Iminodisuccinate	144538-83-0	0.1 - 0.2 Trade Secret *
Fragrance Oil	Trade Secret*	0.1 - 0.2 Trade Secret *
Bacterial Dispersion	Trade Secret*	0.05 - 0.1 Trade Secret *
CITRIC ACID	77-92-9	< 0.06 Trade Secret *
Benzisothiazolinone	2634-33-5	< 0.05 Trade Secret *
Methylchloroisothiazolinone	26172-55-4	< 0.01 Trade Secret *
Methylisothiazolinone	2682-20-4	< 0.01 Trade Secret *
Water	7732-18-5	> 90 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:

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

If Swallowed:

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).

4.3. Indication of any immediate medical attention and special treatment required

Not applicable

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Material will not burn. 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.

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 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

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.

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

No occupational exposure limit values exist for any of the components listed in Section 3 of this SDS.

8.2. Exposure controls

8.2.1. Engineering controls

No engineering controls required.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

None required.

Skin/hand protection

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. 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

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
Color

Liquid
Off-White

Specific Physical Form:

Odor

Liquid
Mild Wintergreen

Odor threshold

No Data Available

pH

6.5 - 8.5

Melting point

Not Applicable

Boiling Point

> 212 °F

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
Specific Gravity	0.9931 [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	<=100 centipoise
Hazardous Air Pollutants	No Data Available
Volatile Organic Compounds	0 % weight [Test Method:calculated per CARB title 2]
Percent volatile	94.6 - 100 % weight
VOC Less H2O & Exempt Solvents	435.9 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

This material is considered to be non reactive under normal use conditions.

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

<u>Substance</u>	<u>Condition</u>
None known.	

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:

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

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
C9-11 Alcohols Ethoxylated	Dermal	similar compounds	LD50 > 2,000 mg/kg
C9-11 Alcohols Ethoxylated	Inhalation-Dust/Mist (4 hours)	similar compounds	LC50 > 1.6 mg/l
C9-11 Alcohols Ethoxylated	Ingestion	similar compounds	LD50 3,488 mg/kg
Styrene Copolymer	Dermal	Rabbit	LD50 > 2,000 mg/kg
Styrene Copolymer	Ingestion	Rat	LD50 > 5,000 mg/kg
CITRIC ACID	Dermal		LD50 estimated to be 2,000 - 5,000 mg/kg
CITRIC ACID	Ingestion	Rat	LD50 3,000 mg/kg
Benzisothiazolinone	Dermal	Rat	LD50 > 2,000 mg/kg
Benzisothiazolinone	Ingestion	Rat	LD50 454 mg/kg
Methylisothiazolinone	Dermal	Rat	LD50 242 mg/kg
Methylisothiazolinone	Inhalation-Dust/Mist (4 hours)	Rat	LC50 0.11 mg/l
Methylisothiazolinone	Ingestion	Rat	LD50 120 mg/kg
Methylchloroisothiazolinone	Dermal	Rabbit	LD50 87 mg/kg
Methylchloroisothiazolinone	Inhalation-Dust/Mist (4 hours)	Rat	LC50 0.171 mg/l
Methylchloroisothiazolinone	Ingestion	Rat	LD50 40 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
C9-11 Alcohols Ethoxylated	similar compounds	Minimal irritation
Styrene Copolymer	Professional judgment	No significant irritation
CITRIC ACID	Rabbit	Mild irritant
Benzisothiazolinone	Rabbit	No significant irritation
Methylisothiazolinone	Rabbit	Corrosive
Methylchloroisothiazolinone	Rabbit	Corrosive

Serious Eye Damage/Irritation

Name	Species	Value
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C9-11 Alcohols Ethoxylated	Professional judgment	Moderate irritant
CITRIC ACID	Rabbit	Severe irritant
Benzisothiazolinone	Rabbit	Corrosive
Methylisothiazolinone	Rabbit	Corrosive
Methylchloroisothiazolinone	Rabbit	Corrosive

Skin Sensitization

Name	Species	Value
C9-11 Alcohols Ethoxylated	Guinea pig	Not classified
CITRIC ACID	Human	Not classified
Benzisothiazolinone	Guinea pig	Sensitizing
Methylisothiazolinone	Human and animal	Sensitizing
Methylchloroisothiazolinone	Human and animal	Sensitizing

Photosensitization

Name	Species	Value
Methylisothiazolinone	Human and animal	Not sensitizing
Methylchloroisothiazolinone	Human and animal	Not 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
C9-11 Alcohols Ethoxylated	In Vitro	Not mutagenic
Styrene Copolymer	In Vitro	Not mutagenic
CITRIC ACID	In Vitro	Not mutagenic
CITRIC ACID	In vivo	Not mutagenic
Benzisothiazolinone	In vivo	Not mutagenic
Benzisothiazolinone	In Vitro	Some positive data exist, but the data are not sufficient for classification
Methylisothiazolinone	In vivo	Not mutagenic
Methylisothiazolinone	In Vitro	Some positive data exist, but the data are not sufficient for classification
Methylchloroisothiazolinone	In vivo	Not mutagenic
Methylchloroisothiazolinone	In Vitro	Some positive data exist, but the data are not sufficient for classification

Carcinogenicity

Name	Route	Species	Value
Styrene Copolymer	Not Specified	Rat	Some positive data exist, but the data are not sufficient for classification
CITRIC ACID	Ingestion	Rat	Not carcinogenic
Methylisothiazolinone	Dermal	Mouse	Not carcinogenic
Methylisothiazolinone	Ingestion	Rat	Not carcinogenic
Methylchloroisothiazolinone	Dermal	Mouse	Not carcinogenic

Methylchloroisothiazolinone	Ingestion	Rat	Not carcinogenic
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Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test Result	Exposure Duration
C9-11 Alcohols Ethoxylated	Dermal	Not classified for female reproduction	Rat	NOAEL 250 mg/kg/day	2 generation
C9-11 Alcohols Ethoxylated	Dermal	Not classified for development	Rat	NOAEL 250 mg/kg/day	2 generation
C9-11 Alcohols Ethoxylated	Dermal	Not classified for male reproduction	Rat	NOAEL 100 mg/kg/day	2 generation
CITRIC ACID	Ingestion	Not classified for female reproduction	Rat	NOAEL 600 mg/kg/day	2 generation
CITRIC ACID	Ingestion	Not classified for male reproduction	Rat	NOAEL 600 mg/kg/day	2 generation
CITRIC ACID	Ingestion	Not classified for development	Rat	NOAEL 600 mg/kg/day	2 generation
Benzisothiazolinone	Ingestion	Not classified for female reproduction	Rat	NOAEL 112 mg/kg/day	2 generation
Benzisothiazolinone	Ingestion	Not classified for male reproduction	Rat	NOAEL 112 mg/kg/day	2 generation
Benzisothiazolinone	Ingestion	Not classified for development	Rat	NOAEL 112 mg/kg/day	2 generation
Methylisothiazolinone	Ingestion	Not classified for female reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
Methylisothiazolinone	Ingestion	Not classified for male reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
Methylisothiazolinone	Ingestion	Not classified for development	Rat	NOAEL 15 mg/kg/day	during organogenesis
Methylchloroisothiazolinone	Ingestion	Not classified for female reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
Methylchloroisothiazolinone	Ingestion	Not classified for male reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
Methylchloroisothiazolinone	Ingestion	Not classified for development	Rat	NOAEL 15 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
C9-11 Alcohols Ethoxylated	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	
CITRIC ACID	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		NOAEL Not available	
Benzisothiazolinone	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	
Methylisothiazolinone	Inhalation	respiratory irritation	May cause respiratory irritation	similar health hazards	NOAEL Not available	
Methylchloroisothiazolinone	Inhalation	respiratory irritation	May cause respiratory irritation	similar health hazards	NOAEL Not available	

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
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C9-11 Alcohols Ethoxylated	Dermal	kidney and/or bladder heart hematopoietic system liver nervous system respiratory system	Not classified	Rat	NOAEL 125 mg/kg/day	13 weeks
CITRIC ACID	Ingestion	bone, teeth, nails, and/or hair	Not classified	Rat	NOAEL 600 mg/kg/day	90 days
CITRIC ACID	Ingestion	endocrine system hematopoietic system	Not classified	Rat	NOAEL 4,670 mg/kg/day	6 weeks
CITRIC ACID	Ingestion	kidney and/or bladder	Not classified	Rat	NOAEL 1,300 mg/kg/day	6 weeks
Benzisothiazolinone	Ingestion	liver hematopoietic system eyes kidney and/or bladder respiratory system	Not classified	Rat	NOAEL 322 mg/kg/day	90 days
Benzisothiazolinone	Ingestion	heart endocrine system nervous system	Not classified	Rat	NOAEL 150 mg/kg/day	28 days

Aspiration Hazard

For the component/components, either no data are currently available or the data are not sufficient for classification.

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

SECTION 12: Ecological information**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): Not regulated

SECTION 14: Transport Information

Not regulated per U.S. DOT, IATA or IMO.

These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for

complying with all applicable laws and regulations, including proper transportation classification and packaging. 3M transportation classifications are based on product formulation, packaging, 3M policies and 3M understanding of applicable current regulations. 3M does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling, or marking requirements. The original 3M package is certified for U.S. ground shipment only. If you are shipping by air or ocean, the package may not meet applicable regulatory requirements.

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

Respiratory or Skin Sensitization

This material contains a chemical which requires export notification under TSCA Section 12[b]:

<u>Ingredient (Category if applicable)</u>	<u>C.A.S. No</u>	<u>Regulation</u>	<u>Status</u>
Methylchloroisothiazolinone	26172-55-4	Toxic Substances Control Act (TSCA) 5 SNUR or Consent Order Chemicals	Proposed
Methylisothiazolinone	2682-20-4	Toxic Substances Control Act (TSCA) 5 SNUR or Consent Order Chemicals	Proposed

This material contains a chemical subject to a proposed EPA Significant New Use Rule (TSCA Section 5)

<u>Ingredient (Category if applicable)</u>	<u>C.A.S. No</u>	<u>Reference</u>
Methylchloroisothiazolinone	26172-55-4	62 FR 34421
Methylisothiazolinone	2682-20-4	62 FR 34421

15.2. State Regulations

15.3. Chemical Inventories

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 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.

Contact 3M for more information.

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:** 0 **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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