



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

Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

2.2. Label elements

Signal word

Not applicable.

Symbols

Not applicable

Pictograms

Not applicable

SECTION 3: Composition/information on ingredients

Ingredient	C.A.S. No.	% by Wt
Water	7732-18-5	80 - 100
C9-11 Alcohols Ethoxylated	68439-46-3	1 - 5 Trade Secret *
Sodium Carpryl Sulfonate	5324-84-5	< 1
Sodium Polyacrylate	9003-04-7	< 1
Fragrance Oil	Trade Secret*	< 1
Styrene Copolymer	Trade Secret*	< 0.1
CITRIC ACID	77-92-9	< 0.06
Bacteria 2	Trade Secret*	<= 0.05
Benzisothiazolinone	2634-33-5	< 0.05
Bacteria 3	Trade Secret*	< 0.01
Bacteria 4	Trade Secret*	< 0.01
Methylchloroisothiazolinone	26172-55-4	< 0.01
Methylisothiazolinone	2682-20-4	< 0.01
Bacteria 1	Trade Secret*	< 0.01

*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:

If exposed, wash with soap and water. 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

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

Material will not burn. 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

None inherent in this product.

5.3. Special protective actions for fire-fighters

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. Use personal protective equipment based on the results of an exposure assessment. Refer to Section 8 for PPE recommendations. If anticipated exposure resulting from an accidental release exceeds the protective capabilities of the PPE listed in Section 8, or are unknown, select PPE that offers an appropriate level of protection. Consider the physical and chemical hazards of the material when doing so. Examples of PPE ensembles for emergency response could include wearing bunker gear for a release of flammable material; wearing chemical protective clothing if the spilled material is a corrosive, a sensitizer, a significant dermal irritant, or can be absorbed through the skin; or donning a positive pressure supplied-air respirator for chemicals with inhalation hazards. For information regarding physical and health hazards, refer to sections 2 and 11 of the SDS.

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 eat, drink or smoke when using this product. Wash thoroughly after handling. 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

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

No chemical protective gloves are required.

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

Physical state	Liquid
Specific Physical Form:	Liquid
Color	Off-White
Odor	Mild Wintergreen
Odor threshold	<i>No Data Available</i>
pH	6.5 - 8.5
Melting point	<i>Not Applicable</i>
Boiling Point	> 212 °F
Flash Point	≥100 °C [<i>Test Method:</i> Closed Cup]
Evaporation rate	<i>No Data Available</i>
Flammability	Not Applicable
Flammable Limits(LEL)	<i>No Data Available</i>
Flammable Limits(UEL)	<i>No Data Available</i>
Vapor Pressure	<i>No Data Available</i>
Relative Vapor Density	<i>No Data Available</i>
Relative Density	0.9931 [<i>Ref Std:</i> WATER=1]
Solubility in Water	Complete
Solubility- non-water	<i>No Data Available</i>
Partition coefficient: n-octanol/ water	<i>No Data Available</i>
Autoignition temperature	<i>No Data Available</i>
Decomposition temperature	<i>No Data Available</i>
Kinematic Viscosity	101 mm ² /sec
Hazardous Air Pollutants	<i>No Data Available</i>
Volatile Organic Compounds	0 % weight [<i>Test Method:</i> calculated per CARB title 2]
Percent volatile	94.6 - 100 % weight
VOC Less H₂O & Exempt Solvents	435.9 g/l
Particle Characteristics	<i>Not Applicable</i>

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.

SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1. Information on Toxicological effects**Signs and Symptoms of Exposure**

Based on test data and/or information on the components, this material may produce the following health effects:

Inhalation:

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

Skin Contact:

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

Eye Contact:

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

Ingestion:

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

Sodium Polyacrylate	Dermal	Rabbit	LD50 > 5,000 mg/kg
Sodium Polyacrylate	Ingestion	Rat	LD50 > 2,000 mg/kg
Styrene Copolymer	Dermal	Rabbit	LD50 > 2,000 mg/kg
Styrene Copolymer	Ingestion	Rat	LD50 > 5,000 mg/kg
CITRIC ACID	Ingestion	Rat	LD50 3,000 mg/kg
CITRIC ACID	Dermal	similar health hazards	LD50 estimated to be 2,000 - 5,000 mg/kg
Benzisothiazolinone	Dermal	Rat	LD50 > 2,000 mg/kg
Benzisothiazolinone	Inhalation-Dust/Mist (4 hours)	Rat	LC50 0.21 mg/l
Benzisothiazolinone	Ingestion	Rat	LD50 450 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
Sodium Polyacrylate	Rabbit	No significant irritation
Styrene Copolymer	Professional judgement	No significant irritation
CITRIC ACID	Rabbit	Minimal irritation
Benzisothiazolinone	Human	Irritant
Methylisothiazolinone	Rabbit	Corrosive
Methylchloroisothiazolinone	Rabbit	Corrosive

Serious Eye Damage/Irritation

Name	Species	Value
C9-11 Alcohols Ethoxylated	Professional judgement	Moderate irritant
Sodium Polyacrylate	Rabbit	No significant irritation
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	Human	Sensitizing
Methylisothiazolinone	Human and animal	Sensitizing
Methylchloroisothiazolinone	Human	Sensitizing

	and animal	
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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

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	May cause respiratory irritation	Human	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
C9-11 Alcohols Ethoxylated	Dermal	kidney and/or bladder	Not classified	Rat	NOAEL 125 mg/kg/day	13 weeks
C9-11 Alcohols Ethoxylated	Dermal	heart	Not classified	Rat	NOAEL 125 mg/kg/day	13 weeks
C9-11 Alcohols Ethoxylated	Dermal	hematopoietic system	Not classified	Rat	NOAEL 125 mg/kg/day	13 weeks
C9-11 Alcohols Ethoxylated	Dermal	liver	Not classified	Rat	NOAEL 125 mg/kg/day	13 weeks
C9-11 Alcohols Ethoxylated	Dermal	nervous system	Not classified	Rat	NOAEL 125 mg/kg/day	13 weeks
C9-11 Alcohols Ethoxylated	Dermal	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	Not classified	Rat	NOAEL 4,670 mg/kg/day	6 weeks
CITRIC ACID	Ingestion	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	Not classified	Rat	NOAEL 322 mg/kg/day	90 days
Benzisothiazolinone	Ingestion	hematopoietic system	Not classified	Rat	NOAEL 322 mg/kg/day	90 days
Benzisothiazolinone	Ingestion	eyes	Not classified	Rat	NOAEL 322 mg/kg/day	90 days
Benzisothiazolinone	Ingestion	kidney and/or bladder	Not classified	Rat	NOAEL 322 mg/kg/day	90 days
Benzisothiazolinone	Ingestion	respiratory system	Not classified	Rat	NOAEL 322 mg/kg/day	90 days
Benzisothiazolinone	Ingestion	heart	Not classified	Rat	NOAEL 150 mg/kg/day	28 days
Benzisothiazolinone	Ingestion	endocrine system	Not classified	Rat	NOAEL 150 mg/kg/day	28 days
Benzisothiazolinone	Ingestion	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

Not Applicable.

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

Contact 3M for more information.

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: 1 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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