



## Safety Data Sheet

AutoGen, Inc.  
84 October Hill Rd.  
Holliston, MA 01746  
774.233.3000

Date revised: 02-22-2024

Emergency Telephone Number: 800.633.8253 (USA & Canada) 801.629.0667 International  
Agent: PERS

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### Section 1 – Product and Company Information

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Product Name: Tissue Digestion Solution B  
Product Number: TD-M2 or AG00122-TDM2

Company: AutoGen, Inc.  
Address: 84 October Hill Rd.  
Holliston, MA 01746  
Phone: 774.233.3000  
Web: [www.autogen.com](http://www.autogen.com)

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### Section 2 – Hazards Identification

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<u>Chemical name</u>	<u>CAS #</u>
Tris	77-86-1
EDTA	6381-92-6
Sodium chloride	7647-14-5
N-Lauroylsarcosine sodium	137-16-6
Water	

#### Signal Word

Warning

#### Hazard Statements

Causes skin irritation Causes eye irritation

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### Section 3 - Composition/ Information on Ingredients

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<u>Component</u>	<u>CAS-NO</u>	<u>Weight by Percent</u>
Tris	77-86-1	2-3
EDTA	6381-92-6	1.5-2
Sodium Chloride	7647-14-5	1-1.5
N-Lauroylsarcosine sodium	137-16-6	2-2.5
Water	7732-18-5	92-93

#### HAZARD DESCRIPTION:

CAUTION! CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION.

MAY BE HARMFUL IF INHALED, ABSORBED THROUGH SKIN OR SWALLOWED.

Routes of Entry Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

#### Potential Acute Health Effects

Eyes Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.

Skin Hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

May be hazardous in case of skin contact (permeator).

Inhalation Hazardous in case of inhalation (lung irritant). May be hazardous in case of inhalation.

Ingestion May be hazardous in case of ingestion.

#### Potential Chronic Health Effects

Carcinogenic Effects This material is not known to cause cancer in animals or humans.

Additional information See Toxicological Information (section 11)

Medical Conditions Aggravated by Overexposure:

Repeated or prolonged exposure is not known to aggravate medical condition.

#### CLASSIFICATION SYSTEM:

The classification was made according to the latest editions of international substances lists.

#### NFPA rating (scale 0-4)

Health=1 (N-Lauroylsarcosine sodium)

Fire=0

Reactivity=0

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## Section 4- First Aid Measures

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### GENERAL INFORMATION

Immediately remove any clothing soiled by the substance .Wash affected area with copious amounts of water for at least 15 minutes and then soap and water. Speed in removing material from skin is extremely important. Use safety shower.

### EYE CONTACT:



Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.

#### SKIN CONTACT:

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

#### INHALATION:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

#### INGESTION

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

Loosen tight clothing such as a collar, tie, belt or waistband.

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## Section 5- Fire Fighting Measures

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#### FLAMMABILITY OF THE PRODUCT

Non-flammable.

#### AUTO-IGNITION TEMPERATURE

Not applicable.

#### FLASH POINTS

Not applicable.

#### FLAMMABLE LIMITS

Not applicable.

#### PRODUCTS OF COMBUSTION

Not available.

#### FIRE HAZARDS IN PRESENCE OF VARIOUS SUBSTANCE

Not applicable.

#### EXPLOSION HAZARDS IN PRESENCE OF VARIOUS SUBSTANCES

Risks of explosion of the product in presence of static discharge: No.

Risks of explosion of the product in presence of mechanical impact: No.

#### FIRE FIGHTING MEDIA AND INSTRUCTIONS

Water spray

Carbon dioxide, dry chemical powder, or appropriate foam

#### PROTECTIVE CLOTHING (FIRE)



Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

#### SPECIAL REMARKS ON FIRE HAZARDS

Not available.

#### SPECIAL REMARKS ON EXPLOSION HAZARDS

Emit toxic fumes under fire conditions.

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### Section 6 – Accidental Release Measures

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#### SMALL SPILL AND LEAK

Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

#### LARGE SPILL AND LEAK

Absorb with an inert material and put the spilled material in an appropriate waste disposal.

#### SPILL KIT INFORMATION

No specific spill kit required for this product.

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### Section 7 – Handling and Storage

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#### HANDLING:

Do not ingest. Avoid breathing vapors or spray mists. Keep container closed. Do not get in eyes, on skin, or on clothing.

#### STORAGE:

Keep receptacle with tightly sealed, keep container in a cool, well-ventilated area.

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### Section 8 – Exposure controls/Personal Protection

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#### ENGINEERING CONTROLS

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.

#### PERSONAL PROTECTION

Eyes Splash goggles.

Body Lab coat.

Respiratory Vapor respirator. Be sure to use an approved/certified respirator or equivalent.

Wear appropriate respirator when ventilation is inadequate.

Hands Gloves.

Feet Not applicable.

#### Personal Protection in Case of a Large Spill

Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.



#### EXPOSURE LIMITS

Tris(hydroxymethyl)aminomethane: Not available.

EDTA di-Sodium dehydrate: Not available.

Sodium chloride: Not available

N-Lauroylsarcosine sodium: Not available.

Water: Not available.

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### Section 9 – Physical and Chemical Properties

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Odor No.

Color Colorless.

#### APPEARANCE:

Physical State and Appearance Liquid.

Molecular Weight Not applicable.

Molecular Formula Not applicable.

pH Not available.

Boiling/Condensation Point The lowest known value is 99.9°C (211.8°F) (Water).

Melting/Freezing Point May start to solidify at -0.1°C (31.8°F) based on data for: Water.

Specific Gravity Not available.

Vapor Pressure Not available.

Vapor Density Not available.

Odor Threshold Not available.

Evaporation Rate 0.36 (Water) compared to (n-BUTYL ACETATE=1)

LogKow Not available.

Solubility Soluble in water.

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### Section 10 – Stability and Reactivity

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#### STABILITY/REACTIVITY

Stable.

Materials to avoid: Strong oxidizing agents.

#### CONDITIONS OF INSTABILITY

Not available.

#### INCOMPATIBILITY WITH VARIOUS SUBSTANCE

Not available.

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### Section 11 – Toxicological Information

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#### RTECS Number:

Tris(hydroxymethyl)aminomethane: OM2800000

Sodium Chloride: VZ4725000

EDTA di-Sodium Dihydrate: Not available.

N-Lauroylsarcosine sodium: Not available.

Water: ZC0110000

Toxicity: LD50: Not available.

LC50: Not available.



Chronic Effects on Humans: Not available.

Acute Effects on Humans: Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching. Hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. May be hazardous in case of skin contact (permeator). Hazardous in case of inhalation (lung irritant). May be hazardous in case of inhalation. May be hazardous in case of ingestion.

Synergetic Products (Toxicologically): Not available.

Irritancy Draize Test: Not available.

Sensitization: Not available.

Carcinogenic Effects: This material is not known to cause cancer in animals or humans.

Toxicity to Reproductive System: Not available.

Teratogenic Effects: Not available.

Mutagenic Effects: Not available.

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## Section 12 – Ecological Information

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Ecotoxicity: Not available.

BOD5 and COD: Not available.

Toxicity of the Products of Biodegradation

The product of degradation are less toxic than the product itself.

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## Section 13 – Disposal Considerations

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EPA Waste Number: Not available.

Treatment

Material does not have an EPA Waste Number and is not a listed waste, however consultation with a permitted waste disposal site (TSD) should be accomplished. Always contact a permitted waste disposal (TSD) to assure compliance with all current local, state, and Federal Regulations.

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## Section 14 – Transport Information

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DOT CLASSIFICATION

Proper Shipping Name: Chemical, N.O.S.

IMO/IMDG CLASSIFICATION

Proper Shipping Name: Chemical, N.O.S.

TDG CLASSIFICATION

Not available

ICAO/IATA CLASSIFICATION

Chemical, N.O.S.

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## Section 15 – Regulatory Information

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#### U.S. FEDERAL REGULATIONS

TSCA 8(b) inventory: Tris(hydroxymethyl)aminomethane; Sodium Chloride; EDTA di-Sodium Dihydrate; N-Lauroylsarcosine sodium; Water

SARA 302/304/311/312 extremely hazardous substances: No products were found.

SARA 302/304 emergency planning and notification: No products were found.

SARA 302/304/311/312 hazardous chemicals: No products were found.

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found. SARA 313 toxic chemical notification and release reporting: No products were found.

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 accidental release prevention: No products were found.

Clean air act (CAA) 112 regulated flammable substances: No products were found.

Clean air act (CAA) 112 regulated toxic substances: No products were found.

WHMIS (Canada) Class D-2B: Material causing other toxic effects (TOXIC).

CEPA DSL: Tris(hydroxymethyl)aminomethane; Sodium Chloride; EDTA di-Sodium Dihydrate; N-Lauroylsarcosine sodium; Water

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all required information.

#### **Section 16 – Other Information**

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This bulletin is for your guidance and is based upon information and tests believed to be reliable. Kurabo makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages thereto. The data are offered solely for your consideration, investigation, and verification. These suggestions should not be confused with state, municipal, or insurance requirements, or with national safety codes and constitute no warranty. Any use of these data and information must be determined by the user to be in accordance with applicable federal, state, and local regulations.