



Material Safety Data Sheet

TNM-FH Insect Medium **Catalog # 600-311**

Section I: Product Identification

Product Name:

TNM-FH Insect Medium

Catalog Number:

600-311

Section II: Composition/Ingredients

a-Ketoglutaric Acid	L-Glutamine	Myo-Inositol
Biotin	L-Histidine, Anhydrous	Nicotinic Acid
Calcium Chloride, Anhydrous	L-Isoleucine	Para-Aminobenzoic Acid
Choline Chloride	L-Leucine	Potassium Chloride
D-Calcium Pantothenate	L-Lysine, Hydrochloride	Pyridoxine, Hydrochloride
D-Fructose	L-Malic Acid	Riboflavin
D-Glucose, Anhydrous	L-Methionine	Sodium Bicarbonate
Folic Acid	L-Phenylalanine	Sodium Phosphate, Monobasic, Monohydrate
Fumaric Acid	L-Proline	β -Alanine
Glycine	L-Serine	Succinic Acid
L-Alanine	L-Threonine	Sucrose
L-Arginine, Hydrochloride	L-Tryptophan	Thiamine, Hydrochloride
L-Asparagine, Anhydrous	L-Tyrosine, Disodium, Dihydrate	Yeast Extract
L-Aspartic Acid	L-Valine	Lactalbumin Peptone
L-Cystine, Dihydrochloride	Magnesium Chloride, Anhydrous	
L-Glutamic Acid	Magnesium Sulfate, Anhydrous	

Section III: Health Hazard Data

Toxicity:

Not Established

Target Organs/Systems:

Central nervous system. Kidneys. Gastrointestinal tract.

Effects of Overexposure:

Not Established

First Aid Procedures:

If product gets into eyes, open eyelids with fingers and flush eyes with copious amounts of water for at least 15 minutes. If product gets on skin, wash the skin with soap and copious amounts of water. If swallowed and person is conscious, rinse mouth with water, consult a health care provider. If product is inhaled, get to fresh air. If there is any difficulty in breathing, seek medical attention. If there is any irritation, consult a health care provider.

Section IV: Physical Data

Appearance:

Liquid

Density:

N/A

Boiling Point:

N/A

Specific Gravity:

N/A

Vapor Density:

N/A

Vapor Pressure:

N/A

Evaporation rate:

N/A

H₂O Solubility:

N/A

Section V: Reactivity Data

Stability:

Stable

Hazardous Polymerization:

To our knowledge will not occur.

Section VI: Fire & Explosion Hazard Data

Flammability:

Nonflammable

Flash Point:

N/A

Flammable Limits:

N/A

Extinguishing Media:

Use appropriate media for the surrounding fire.

Hazardous Combustion or Decomposition Products:

No known hazardous products

Special Fire Fighting Procedures:

None. Although as in any fire, self-contained breathing apparatus and protective clothing may be required.

Section VII: Spill or Leak Procedures

In the event of a spill or leak:

Wear suitable protective clothing, including chemical resistant latex gloves. Use absorbent material such as vermiculite or sand to absorb spill. Put into a closed container for waste disposal. Clean spill area thoroughly.

Disposal:

Abide by all local, state and federal regulations regarding waste disposal.

Section VIII: Handling & Storage Precautions

Handling:

Avoid contact with clothing, skin, and eyes. Avoid repeated or prolonged exposure.

Eye/Skin Protection:

Wear suitable protective clothing, safety glasses with side shields and chemical resistant latex/rubber gloves are recommended.

Storage:

Store refrigerated at 2 to 8° C

Section IX: Special Precautions & Comments

Intended Use for Product:

For laboratory research use only. Not intended for human, clinical or diagnostic use.

Section X: Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Gemini Bio-Products shall not be held liable for any damage resulting from handling or from contact with the above product.