



Material Safety Data Sheet

Grace's Insect Medium Catalog # 600-310

Section I: Product Identification

Product Name:

Grace's Insect Medium

Catalog Number:

600-310

Section II: Composition/Ingredients

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

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.