



Material Safety Data Sheet

Human Tumor Necrosis Factor alpha Human Recombinant, Carrier-free Catalog # 300-193P

Section I: Product Identification

Product Name:

Human Tumor Necrosis Factor alpha, Human Recombinant, Carrier-free

Catalog Number:

300-193P

Section II: Composition/Ingredients

Human Tumor Necrosis Factor alpha, Human recombinant, expressed in E. coli

Section III: Health Hazard Data

Hazardous Components:

No Known Hazardous Components

Toxicity:

Not Established.

Target Organs/Systems:

Avoid contact with skin and eyes. Avoid ingestion and inhalation.

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 for at least 15 minutes. 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:

Powder

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

Conditions or Materials to Avoid:

Strong oxidizing agents.

Hazardous Polymerization:

To our knowledge, will not occur.

Section VI: Fire & Explosion Hazard Data

Flammability:

N/A

Flash Point:

N/A

Flammable Limits:

N/A

Extinguishing Media:

Use appropriate media for the surrounding fire.

Hazardous Combustion or Decomposition Products:

Not known

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 a dust mask, latex gloves and goggles. Put into a closed container/bag for waste disposal. Ventilate area. Clean spill area thoroughly after material is picked up.

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, inhalation. Avoid repeated or prolonged exposure.

Eye/Skin Protection:

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

Storage:

Store frozen at -20 to -10 °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.