



Medifil™ II Powder

MATERIAL SAFETY DATA SHEET

Material Safety Data Sheet	U.S. Department of Labor
May Be used to comply with	Occupational Safety and Health Administration
OSHA's Hazard Communication Standard	(Non-Mandatory Form)
29 CFR 1910.1200. Standard must be consulted for specific requirements.	Form Approved OMB No. 1218-0072
Identity (as used on Label and List) Medifil™ II Particles	Note: Blank spaces are not permitted. If any Item is not applicable, or no information is available; the space must be marked to indicate that.
Section I	

Manufacturer Name: Human Biosciences Inc	Emergency Telephone Number: 888-KOLLAGEN (565-5243)
Address (Number, Street, City, and Zip code)	940 Clopper Road, Gaithersburg, MD 20878
Date Prepared	12/02/10
Signature of Preparer (optional)	N/A

Section II-- Ingredients/ Identity Information

Components	CAS No	ACHIH TLV	Other Limits Recommended	% (Opt)
Gly-X-Y Amino Acid repeat unit/ Type I collagen	9007-34-5	N/A	N/A	N/A

Section III—Hazards Identification

Emergency Overview:

Odor, Color, Grade: White to Pale yellowish color, Odorless, Particles

General Physical Form: Solid Particles

Potential Health Effects:

Eyes: May cause irritation

Skin: May cause irritation in susceptible person

Inhalation: May cause irritation

Ingestion: May cause irritation and Seek medical treatment

Carcinogenic effects: No Information available

Section IV—First Aid Measures

The following first aid recommendations are based on an assumption that appropriate personnel and industrial hygiene practices are followed.

Eye contact: Flush eyes with Water. If signs and symptoms persist, seek medical attention

Skin Contact: Wash off with immediately with plenty of water

Inhalation: Supply fresh air. IF required provide artificial respiration and seek medical treatment.

If swallowed: If victim is conscious and alert, give 2-4 cup-full of milk or water. Get medical aid.

Section V—Fire Fighting Measures

Flammable Properties

Auto-ignition temperature: N/A

Flash Point; N/A

Flammable Limits (LEL): N/A

Flammable Limits (UEL): N/A

Extinguishing Media:

Fire Extinguisher with Class B extinguishing agents (Dry, chemical , CO₂, etc)

Protection of Fire Fighters

Special Fire Fighting Procedures: Protective equipment and self- contained breathing apparatus.

Unusual Fire and Explosion Hazards: Not Applicable , No unusual fire or explosion hazards are anticipated

Section VI—Accidental Release Measures

Personal Precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected person away. Ensure adequate ventilation.

Environmental Precautions:

Do not allow material to be released into the environment without proper government permits.

Clean up Methods:

Pick up mechanically and transfer to properly labeled containers Use water to wash off any residue

Section VII—Handling and Storage

Handling:

Always wear recommended personal protective equipment. Avoid contact with skin and eyes. The product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions.

Storage:

Store in cool dry place. Favorable storage temperatures are 50°F- 80°F.

Section VIII—Exposure Control and Personal Protection

Engineering Measures:

Ensure adequate ventilation, especially in confined space

Personal Protective Equipment:

Respiratory protection: In case of insufficient ventilation wear suitable

Hand protection: Protective gloves

Eye protection: Safety glasses with side shields

Skin and Body Protection: Lightweight protective clothing, boots.

Hygiene measures: Handle in accordance with good industrial hygiene and safety hygiene

Section IX- Physical/Chemical Characteristics

Boiling Point	N/A		Specific Gravity (H₂O= I)	0.1	0.1
Solubility in water	Yes		Appearance and Odor	White or Pale yellow and odorless	
General Physical form	Solid Particle		Auto-Ignition temperature	N/A	
Flash Point	N/A		Melting Point	120°F	
Density	N/A		Kow-Oct/Water Partition coef	N/A	
Vapor Density (AIR=1)	N/A		Evaporation Rate (Butyl Acetate=I)	N/A	N/A

Section X- Stability and Reactivity

Stability : Stable

Materials and Condition to Avoid:

Conditions to avoid: Elevated temperature over 120°F

Material to Avoid : Oxidizing agents, Heat

Hazardous Polymerization : Hazardous Polymerization will not occur

Hazardous decomposition or By Product

Substances	Condition
Carbon Monoxide	During Combustion
Carbon Dioxide	During Combustion
Hazardous Decomposition: Under normal conditions, hazardous decomposition products are not expected.	
Hazardous decomposition products may occur as a result of oxidation, heating or reaction with other material.	

Section XI—Toxicological information

Acute toxicity

Principle routes of Exposure/ Potential Health effects

Eyes : May cause eye irritation with susceptible persons

Skin : May cause skin irritation in susceptible persons

Inhalation: May cause irritation of respiratory tract

Ingestion: May cause irritation to mucous membranes.

Special Effects

Carcinogenic Effects : No information available

Mutagenic Effects: No information available

Reproductive toxicity: No information available

Sensitization: No information available

Target organ effects: No information available

Section XII—Ecological information

Eco-toxicological Information

No further relevant information is available.

Chemical fate Information

Not Applicable

Section XIII—Disposal Considerations

Waste Disposal method :

Consult national, state or local regulations to ensure proper disposal.



Since regulations vary, consult applicable regulations or authorities before disposal.

Section XIV—Transport Information

Land, marine, air transport – other than normal shipping instructions and information

on the MSDS, there are no other specific regulations governing the shipment of this material

This product is not dangerous according to transportation regulations.

Section XV—Regulatory Information

Non-Controlled

This product has been classified according to the hazard criteria of the CPR and MSDS

Contains all of the information required by the CPR.

Waste Disposal method:

Consult national, state or local regulations to ensure proper disposal.

Since regulations vary, consult applicable regulations or authorities before disposal.

Section XVI—Other Information