



MATERIAL SAFETY DATA SHEET

**IMPORTANT INFORMATION
PLEASE READ CAREFULLY**

**EGF Family
(Bovine Betacellulin, Rat Betacellulin, Human EGF,
Mouse EGF, Porcine EGF, Human TGF- α)**

**Product Codes: ARU020, ARU100, ASU010, AWU100,
AWM001, AWM005, AWM010, AWM050, AYU100, UU020,
UU100, XU020, XU100**

SECTION 1 - HAZARDOUS INGREDIENTS

We are not aware of any hazardous ingredients to humans in the above products.

SECTION 2 - PHYSICAL DATA

Boiling Point: Not Applicable
Vapour Pressure: Not Applicable
Vapour Density: Not Applicable
Water Solubility: Appreciable (more than 10 percent)
Specific Gravity: Not Applicable
Melting Point: Not Applicable
Evaporation Rate: Not Applicable
Appearance and Odour: White, odourless crystals.

SECTION 3 - HEALTH HAZARD DATA

The toxicological properties have not been thoroughly investigated.

Acute Effects:

May be harmful by inhalation, ingestion, or skin absorption.
May cause irritation.

First Aid:

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes and call a physician.

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

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In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

SECTION 4 - FIRE AND EXPLOSION

Flash Point: Not Known

Flammable Limits: Not Known

Extinguishing Media: Water Spray, Dry Chemical, CO₂, Foam.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 5 - REACTIVITY DATA

Stability: Stable

Hazardous Combustion or Decomposition Products: Toxic fumes of Carbon Monoxide and Carbon Dioxide, Nitrogen Oxides, Sulphur Oxides.

Hazardous Polymerization: Will not occur.

SECTION 6 - SPILL OR LEAK PROCEDURES

Spill or Leak Procedures: Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.

Sweep up, place in a bag for waste disposal.

Avoid raising dust.

Ventilate area and wash spill site after material pick-up is complete.

Waste Disposal Method: Dissolve and mix the material with combustible solvent and burn in a chemical incinerator equipped with afterburner and scrubber. Observe all federal, state, and local laws.

SECTION 7 - SPECIAL PROTECTION INFORMATION

Wear appropriate NIOSH-MSHA-approved respirator, chemical resistant gloves, safety goggles, other protective clothing.

SECTION 8 - SPECIAL PRECAUTIONS

Caution: The chemical, physical and toxicological properties of these products have not been thoroughly investigated. Exercise due care.

Products should be handled aseptically and stored in sterile conditions to avoid bacterial contamination. Store in a cool dry place (2 – 4° C).

This material is for research purposes only and is not for use in humans.

The above information is believed to be correct but does not purport to be all inclusive and shall only be used as a guide. GroPep Limited will not be liable for any damages resulting from handling, contact with or inappropriate use of the above products. All materials and mixtures may present unknown hazards and should be used with caution.