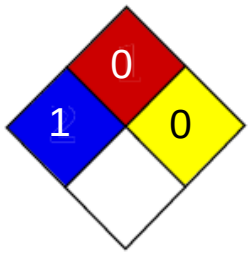
"Chemicals, Reagents & BioAffinity Matrix"




| | |
|---|---|
| Health | 1 |
| Fire | 0 |
| Reactivity | 0 |
| Personal Protection | |

# Material Safety Data Sheet

## Human fibroblast growth factor-basic (FGF-2)

### 1: Chemical Product and Company Identification

**Product Name:** Human fibroblast growth factor-basic (FGF-2)

**Catalog Code:** 22060327-1

**CAS#:** 106096-93-9

**RTECS:** None.

**TSCA:** TSCA 8(b) inventory: No products were found.

**CI#:** Not available.

**Synonym:** Not available.

**Chemical Name:** Recombinant human fibroblast growth factor-basic (FGF-2)

**Chemical Formula:** Not available.

**Contact information:**

**bioWORLD**
4150 Tuller Rd
Suite 228, Dublin, OH 43017, USA

For information, call: 614-792-8680
Fax Number: 614-792-8685
Order Online:**www.bio-world.com**

E-mail : save@bio-world.com

**In case of a chemical emergency, contact local hospital.**

**For non-emergency assistance,call: 1-800-860-9729**

### 2: Composition and Information on Ingredients

**Composition:**

| Name | CAS# | % by Weight |
|---|---|---|
| Human fibroblast growth factor-basic (FGF-2) | 106096-93-9 | - |

**Toxicological Data on Ingredients:**

Not available.

### 3: Hazards Identification

**Potential Acute Health Effects:** Caution: The chemical, physical, and toxicological properties of this product have not been thoroughly investigated. Exercise due care.

**Potential Chronic Health Effects:**

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

## 4: First Aid Measures

**Eye Contact:** 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.

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

**Serious Skin Contact:** Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

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

**Serious Inhalation:** Not available.

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

**Serious Ingestion:** Not available.

## 5: Fire and Explosion Data

**Flammability of the Product:** May be combustible at high temperature.

**Auto-Ignition Temperature:** Not available.

**Flash Points:** Not available.

**Flammable Limits:** Not available.

**Product of Combustion:** Carbon monoxide, carbon dioxide, and nitrogen oxides.

**Fire Hazards in Presence of Various Substances:** Not available.

**Explosion Hazards in Presence of Various Substances:**
Not available.

**Fire Fighting Media and Instructions:**

SMALL FIRE: Dry chemical powder.

LARGE FIRE: Water spray.

**Special Remarks on Fire Hazards:** Not available.

**Special Remarks on Explosion Hazards:** Not available.

## 6: Accidental Release Measures

**Small Spill:** Spilled material should be carefully wiped up or moistened with water and removed. Ventilate area and wash spill site after material pickup is complete.
**Large Spill:** Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

## 7: Handling and Storage

**Precautions:** Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

**Storage:** Keep tightly closed. Store in a cool dry place. Store at -20°C

## 8: Exposure Controls/Personal Protection

**Engineering Controls:** Mechanical exhaust. Safety shower and eye bath.

**Personal Protection:** Respiratory : Government approved respirator.
Hand: Chemical resistant gloves.
Eye: Safety glasses.

**Personal Protection in Case of a Large Spill:** Splash goggles. Full suit. Boots. Dust respirator. Gloves.

**Exposure Limits:** Not available.

## 9: Physical and Chemical Properties

**Physical State and Appearance:** Solid (Powder).

**Odor:** Not available.

**Taste:** Not available.

**Molecular Weight:** Not available.

**Color:** White.

**pH(1% soln/water):** Not available.

**Boiling Point:** Not available.

**Melting Point:** Not available.

**Critical Temperature:** Not available.

**Specific Gravity:** Not available.

**Vapour Pressure:** Not available.

**Vapor Density:** Not available.

**Volatility:** Not available.

**Odor Threshold:** Not available.

**Water/Oil Dist. Coeff:** Not available.

**Ionicity (in Water):** Not available.

**Dispersion Properties:** Not available.

**Solubility:** Not available.

## 10: Stability and Reactivity Data

**Stability:** Stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Heat sensitive. Air and light sensitive.

**Incompatibility with various substances:** Not available.

**Corrosivity:** Not available.

**Special Remarks on Reactivity:** Not available.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.

## 11:Toxicological Information

**Routes of Entry:** Skin contact. Eye contact. Ingestion. Inhalation.

**Toxicity to Animals:**

Not available.

**Chronic Effects on Humans:** Not available.

**Other Toxic Effects on Humans:** Multiple Routes: May be harmful by inhalation, ingestion, or skin absorption.

**Special Remarks on Toxicity to Animals:** Not available.

**Special Remarks on Chronic Effects on Humans:** Not available.

**Special Remarks on other Toxic Effects on Humans:** In vivo this compound lacks both cell and species specificity since it is a mitogenic agent for cells as diverse as fibroblasts, chondrocytes, the Y1 adrenal cell line, glial cells or endometrial cells obtained from murine, bovine and human sources. The toxicological properties have not been thoroughly investigated.

## 12: Ecological Information

**Ecotoxicity:** Not available.

**BOD5 and COD:** Not available.

**Product of Biodegradation:** Not available.

**Toxicity of the Products of Biodegradation:** Not available.

**Special Remarks on the Products of Biodegradation:** Not available.

## 13: Disposal Considerations

**Waste Disposal:** Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

## 14: Transport Information

**DOT Classification:** Not a DOT controlled material.

**Identification:** Not available.

**Special Provisions for Transport:** Not available.

## 15: Other Regulatory Information

**Federal and State Regulations:** TSCA 8(b) inventory: No products were found.

**Other Regulations:** Not available.

**Other Classifications:**

**WHMIS(Canada):** Not available.

**DSCL(EEC):** Not available.

**HMIS(U.S.A):**

**Health Hazard:** 1

**Fire Hazard:** 0

**Reactivity:** 0

**Personal Protection:**

**National Fire Protection Association (U.S.A):**

**Health:** 1

**Flammability:** 0

**Reactivity:** 0

**Specific hazard:**

**Protective Equipment:** Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety goggles.

## 16: Other Information

**References:** Not available.

**Other Special Considerations:** Not available.

**Created:** 17/11/2006 1:09:08 PM

**Last Updated:** 26/12/2008 5:14:22 PM

### Disclaimer

This product is offered by bioWORLD for research, laboratory or further manufacturing use. Not for human use or consumption.

The information above is believed to be accurate and represents the best information currently available to us. However,we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.In no event shall Bio-World.com be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect,incidental,consequential or exemplary damages, howsoever arising,

even if Bio-World.com has been advised of the possibility of such damages.