1. PRODUCT IDENTIFICATION
1.1 PRODUCT NAME: Hard Capsules of vegetable origin.
1.2 TECHNICAL NAME: Hpmc Capsules.
1.3 CLASSIFICATION CODE: Not hazardous
1.4 MANUFACTURE’S NAME: C.I. FARMACAPSULAS® S.A., K-CAPS®.
1.5 CONTACTS FOR INFORMATION OR EMERGENCY:
1.5.1 COLOMBIA

Mr. Guillermo Cifuentes Phone: (057) 5 330 4100 / (057) 5 330 4191
E-mail: gcifuentes@farmacapsulas.com

Mrs. Sandra Mahecha Phone: (057) 5 330 4100 / (057) 5 330 4128
E-mail: smahecha@farmacapsulas.com

2. HAZARDOUS BASIC INGREDIENTS-COMPOSITION
2.1 HPMC (Hydroxypropyl methylcellulose) CAS # 009004-65-3.
2.2 Water, CAS # 007732-18-5
2.3 Exipient (Sorbitol tapioca origin, Silicon Dioxide)
NONE OF THE INGREDIENTS OF THIS MATERIAL MEET THE DEFINITION OF “HAZARDOUS CHEMICAL”.

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3. PHYSICAL DATA
3.1 COLOR: Clear.
3.2 ODOR: Odorless.
3.3 MELTING POINT OF HPMC AS RAW MATERIAL (ºC): Not applicable.
3.4 Ph (AS IT): Not applicable.
3.5 SPECIFIC GRAVITY: Not applicable.
3.6 SOLUBILITY IN WATER: (25ºC): Completely soluble.
3.7 ORGANIC SOLVENT: Not applicable.

4. FIRE AND EXPLOSION HAZARD DATA
4.1 EXTINGUISHING MEDIA: Water.
4.2 UNUSUAL FIRE AND EXPLOSION HAZARD: None.

5. REACTIVITY DATA
5.1 STABILITY: This product is stable in closed containers at room temperature under normal storage and handling conditions.
5.2 HAZARDOUS DECOMPOSITION PRODUCTS: None.
5.3 SUBSTANCES TO BE AVOIDED: Oxidizing material.

6. HEALTH HAZARD DATA
6.1 INGESTION: None.
6.2 INHALATION: Not applicable.
6.3 EYE CONTACT: None.
6.4 SKIN CONTACT: None.
6.5 OTHER EFFECTS: None.
7. **EMERGENCY FIRST AID PROCEDURES**
Not applicable.

8. **PERSONAL PROTECTION**
8.1 PERSONAL PROTECTIVE EQUIPMENT: Not required.
8.2 WORK / HYGIENIC PRACTICES: Practice good personal hygiene; wear sterile gloves for the filling process.

9. **STORAGE AND HANDLING**
Storage tightly sealed at temperature between 15°C and 30°C and relative moisture between 35% and 70%.

10. **DISPOSAL CONSIDERATION**
10.1. PRODUCT: According to instructions of local authorities.
10.2. PACKING: According to instructions authorities.

11. **TOXICOLOGICAL INFORMATION**
11.1 ACUTE ORAL TOXICITY: LD50, Rat >10,000 mg/kg
11.2 MUTAGENICITY: For methylcellulose, a similar cellulosic: in vitro studies were negative; animal mutagenicity studies were negative.

12. **ECOLOGICAL INFORMATION**
For detailed ecological data, contact the emergency number shown in Section Nº1.

13. **REGULATIONS- CLASSIFICATION AND IDENTIFICATION, SYMBOLS OF DANGER.**
Not subject to identification regulation.
14. OTHER INFORMATION.

This information is based on our current level of knowledge and relates to the hard capsules of vegetable origin in the states in which the capsules are delivered. This document is intended to describe our capsules safety requirements perspective and is not intended to guarantee any particular properties.

Issued: **January 1st, 2008**  Expiration: **December 31st, 2008**

Name / Position: **Odalis Vergara / Quality Assurance Manager.**

Signature:  

Certificate code: VC022-08