

MATERIAL SAFETY DATA SHEET

GENERAL HYDROPONICS Chi™ FOLIAR SPRAY

4/2/03

SECTION 1. MATERIAL IDENTIFICATION

Product Name: Chi™ Foliar Spray

Chemical Family: A mixture of plant nutrition minerals in aqueous solution.

Product Use: Hydroponic plant nutrient.

Manufactured by: General Hydroponics, 3789 Vine Hill Road, Sebastopol CA 95472. (707) 824-9376 Fax: (707) 824-9377

SECTION 2. INGREDIENTS AND OCCUPATIONAL EXPOSURE LIMITS

Ingredients: Chi™ Foliar Spray is a specially formulated mixture of chemicals that are mixed in proportions to assure excellent plant nutrition. The chemical identity of the compounds and exact proportions used in the mixture are a trade secret, however, Chi™ Foliar Spray contains chitosan salts (2.5% Marinosan - poly-D-glucosamine), potassium nitrate, and urea.

Exposure Limits: No limits are established for exposure to the ingredients of Chi™ Foliar Spray

SECTION 3. HAZARDS IDENTIFICATION

*** Emergency Overview ***

General Hydroponics Chi™ Foliar Spray is a light brown aqueous solution of chemicals mixed in concentrations to assure plant nutrition in hydroponic cultivation. Ingredients in this mixture are of low toxicity, but might cause skin and eye irritation upon contact. It is also expected to be a low ingestion hazard.

Potential Health Effects

Primary Entry Routes: ingestion, inhalation, and skin contact

Ingestion: Ingestion may cause severe gastro-intestinal distress.

Eye: May cause mild irritation

Skin: May cause mild irritation

Inhalation: May cause mild irritation

Carcinogenicity: IARC, NTP, and OSHA do not list any ingredients as a carcinogen.

Medical Conditions Aggravated by Long-Term Exposure: Unknown.

Chronic Effects: Repeated or prolonged exposure to some ingredients might produce target organ damage.

Other: None

Section 4. FIRST AID MEASURES

Ingestion: If swallowed give several glasses of water to drink to dilute product. Never give anything by mouth to an unconscious person. Induce vomiting as directed by medical personnel. Call a physician.

Inhalation: Remove exposed person to fresh air and support breathing, if necessary. Consult a physician if respiratory distress continues.

Eye Contact: Do not allow victim to rub or keep eyes tightly shut. Gently lift eyelids and flush immediately and continuously with flooding amounts of water for at least 15 minutes. Consult a physician or ophthalmologist if pain or irritation develops.