

# Material Safety Data Sheet

## Advanced Nutrients – Sensizym

### SECTION 1. MATERIAL IDENTIFICATION

**Product Name:** Advanced Nutrients Sensizym Enzyme Concentrate

**Manufactured By:** Advanced Nutrients U.S. LLC, 1625 Heritage Way, Woodland, WA 98674  
USA. Tel: (604) 854-6793 (9:00-5:00 PM PST) Fax: (604) 854-4371 [www.advancednutrients.com](http://www.advancednutrients.com)

**24 Hour Transportation Emergency Number:** Advanced Nutrients (604) 835-8088 U.S.A,  
Canada, International.

**MSDS Prepared By:** Lab

**Date Prepared:** May, 2006

**Date Last Revised:** December 8<sup>th</sup>, 2011

### SECTION 2. COMPOSITION/INFORMATION OF INGREDIENTS

**Ingredients:** The chemical identity of the compounds and the exact proportions used in the mixture are a proprietary trade secret and are believed to be non-toxic.

### SECTION 3. HAZARDS IDENTIFICATION

**Emergency Overview:** Clear, transparent liquid with a light brown tinge and a protein like aroma. For personal safety, avoid any unnecessary prolonged exposure to the chemical substance and ensure adequate and prompt removal from skin, eyes or clothing if the contact was made.

#### Potential Health Effects

**Route of Exposure:** Ingestion; skin contact; eye contact.

**Ingestion:** Minimal ingestion hazard.

**Skin Contact:** May irritate the skin. Symptoms include: redness, itching, pain.

**Eye Contact:** Can cause irritation, redness, tearing and pain.

**Inhalation:** Not considered a respiratory tract irritant or an inhalation hazard.

**Effects of Long Term (Chronic) Exposure:** Unknown.

**Carcinogenicity:** Not a carcinogen.

**Reproductive Toxicity:** Not a reproductive hazard.

**Mutagenicity:** Not a mutagen.

## **SECTION 4. FIRST AID MEASURES**

### **First Aid Procedures**

**Inhalation:** Move victim to fresh air. Call a Poison Centre or a doctor if the victim feels unwell.

**Skin Contact:** Wash the affected area with lukewarm, soapy water until the product is sufficiently removed. If skin irritation or a rash occurs, see a doctor. Thoroughly clean clothing, shoes and leather goods before reuse.

**Eye Contact:** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If a contact lens is present, DO NOT delay flushing or attempt to remove the lens. Take care not to rinse contaminated water into the unaffected eye. If irritation or pain persists, see a doctor or a physician.

**Ingestion:** Have victim rinse mouth with water. Call a Poison Centre or doctor if the victim feels unwell.

## **SECTION 5. FIRE FIGHTING MEASURES**

**Flammable Properties:** Not flammable.

**Suitable Extinguishing Media:** Any media suitable for extinguishing a surrounding fire.

**Protective Equipment and Precautions for Firefighters:** Evacuate the area. Approach the fire from upwind to avoid hazardous vapours or gases. Keep the containers cool to avoid bursting. Before entry, especially into confined areas, use an appropriate monitor to check for: toxic gases or vapours, flammable or an explosive atmosphere. Firefighters may enter the area if a self-contained breathing apparatus (SCBA) and a full face piece is worn.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear appropriate protective equipment.

**Environmental Precautionary Measures:** Prevent entry of undiluted product into sewers, streams, dikes, surface or groundwater. Consult local authorities.

**Clean Up Procedures:** Ventilate area. Keep out unnecessary or unprotected personnel. Wipe up the spill with absorbent material and wash with water.

## SECTION 7. HANDLING AND STORAGE

**Handling:** Avoid ingestion, skin contact, eye contact, inhalation or unnecessary direct contact with product.

**Storage:** Keep in a closed container in a temperature controlled, well ventilated environment, out of direct sunlight or freezing.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Control:** General ventilation is usually adequate.

**Administrative Control:** Avoid unnecessary direct contact with the product.

**Respiratory Protection:** Not normally required if the product is used as directed.

**Eye/Face Protection:** Do not get in eyes. Wear chemical safety goggles and a face shield if splashing hazard exists. Contact lenses pose a special hazard. Soft lenses may absorb irritants, and all contact lenses concentrate irritants. Particles may adhere to contact lenses and cause corneal damage.

**Skin Protection:** Avoid skin contact. Wear gloves when handling the product directly.

**Other Personal Protection Data:** Do NOT smoke in work areas. Wash the hands thoroughly after handling the material.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid.

**Appearance:** Clear, transparent, light brown color.

**Odor:** Slight protein smell.

**Boiling Point:** 100 °C

**Freezing Point/Viscosity:** 0°C

**pH:** 5.9

**Specific Gravity:** 1.006 g/ml

**Solubility in Water:** Complete.

## **SECTION 10. STABILITY AND REACTIVITY**

**Chemical Stability:** Normally Stable.

**Conditions to Avoid:** Freezing temperatures will inactivate the enzymes. Unnecessary contact with skin, eyes or ingestion.

**Incompatibilities:** None.

**Hazardous Decomposition Products:** None.

**Hazardous Polymerization:** Will not occur.

## **SECTION 11. TOXICOLOGICAL INFORMATION**

Not believed to be toxic.

## **SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity:** Information not available.

**Environmental Fate:** Not expected to be significant.

**Environmental Degradation:** Unknown.

## **SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal of Waste Method:** Disposal of all waste must be done in accordance with municipal, provincial and federal regulations.

**Contaminated Packaging:** Empty containers should be recycled or disposed of through an approved waste management facility.

## **SECTION 14. TRANSPORT INFORMATION**

**Shipping Information:** Not regulated under Canadian TDG Regulations. Not regulated under US DOT Regulations.

**Special Shipping Information:** Not Applicable.

## **SECTION 15. REGULATORY INFORMATION**

**U.S TSCA Inventory Status:** Exempt.

## **SECTION 16. OTHER INFORMATION**

The data here is for hazard communication to our employees, our customers and their employees and authorized regulatory agencies. For the intended purpose, this MSDS (Material Safety Data Sheet) may be duplicated or the data transcribed to an alternative form.

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