Material Safety Data Sheet
Plant Revolution: ORCA

Last Revision: June 26, 2011    Emergency Phone: (714) 545-5335

Product Identification
Name: ORCA
Chemical description: Beneficial endomycorrhizal propagules and bacteria suspended in distilled water.
Hazardous components: none

Physical/Chemical Characteristics
Boiling point: 213° F
Vapor pressure: Same as water
Vapor density: Same as water
Evaporation rate: Same as water
Melting point: Not applicable
Specific gravity: 1.02-1.05
pH: 5.0 – 5.7
Solubility in water: soluble with agitation
Appearance/ Odor: Light beige liquid /Not distinctive

Fire and Explosion Information
Flash point: Not applicable
Flammable limits: Not applicable
Extinguishing media: Not applicable
Special Fire Fighting Procedures: Does not burn
Special Fire and Explosion hazards: Not explosive

Reactivity Data
Stability Conditions: Stable at normal temperatures
Conditions to avoid: Exhaust fans recommended for prolonged periods of fine misting
Incompatibility: None
Hazardous decomposition: Will not occur
Hazardous polymerization: Will not occur-

Health Effects/First Aid information
Routes of entry:
Eyes: May irritate on contact, wash out quickly.
Ingestion: Not toxic, but in large amounts can cause upper GI tract disturbance.
Skin: Contact with the skin is not toxic.
Signs/symptoms of exposure: Eye irritation and or sneezing.
Carcinogenicity: Ingredients not listed as carcinogenic in NTP or IARC listings. Not OSHA regulated.

Emergency and First Aid Procedures:
Inhalation:
Eyes: Flush immediately with water for 15 minutes, lift lids. See physician if irritation persists.
Ingestion: For small amounts, drink plenty of water. More than a mouthful should be purged by vomiting, but only if the victim is conscious. Get medical help.
Skin: Wash gently with mild soap/detergent and flowing water. Wash contaminated clothing. ---
Precautions for Safe Handling and Use
Respiratory protection: If misting occurs use approved respirator to eliminate exposure.
Ventilation: Exhaust fan recommended to control any misting.
Protective gloves/clothing: Rubber or plastic recommended if repeated or prolonged contact expected.
Eye protection: Chemical splash goggles recommended where misting is expected. Safety glasses suffice otherwise.
Work practices: Use good housekeeping practices. Keep containers tightly closed.
Spills: Stop material flow at source. Recover for recycling/salvage if not contaminated by other material.
Waste disposal method: Small quantities may be flushed to drain sewer with water. Material not recyclable should be absorbed and placed in legal landfill.
Precautions in storing and handling: Avoid storage above 120° F. Keep containers tightly closed.