

## Material Safety Data Sheet

### SECTION 1 – CHEMICAL PRODUCT AND COMPANY INFORMATION

**Product Name:** Accell™

**Chemical Family:** Biological Stimulant

**Manufacturer's Name:** Siemens Industry, Inc. - Water Technologies Business Unit

**Address:** 2650 Tallevast Road, Sarasota, FL 34243

**Product/Technical Information Phone Number:** 1.941.355.2971

**Medical/Handling Emergency Phone Number:** CHEMTREC 1.800.424.9300  
24 hours a day

**Transportation Emergency Phone Number:** CHEMTREC 1.800.424.9300  
24 hours a day

**Issue Date:** June 2003

**Revision Number / Date:** Rev 1 April 2011

### SECTION 2 – COMPOSITION INFORMATION

<u>Chemical Name</u>	<u>Percent by Weight</u>	<u>CAS#</u>
Proprietary blend of cellular enzymatic digester	15 - 30	Not Applicable
C <sub>3</sub> alcohol	4 - 8	57-55-6
C <sub>11</sub> alcohol	5 - 10	68131-39-5
C <sub>12</sub> ester	2 - 7	9004-82-4
Preservatives	<1.0	532-32-1
Water	To 100%	7732-18-5

### SECTION 3 – HAZARDS IDENTIFICATION

**Appearance & Odor:** Brown liquid with non-obnoxious odor similar to apple cider.

**Emergency Overview:** May cause irritation to the eyes, skin and gastrointestinal tract.

**Fire & Explosion Hazards:** None known.

**Primary Route(s) of Exposure:** Eye contact. Skin contact. Inhalation. Ingestion.

**Inhalation – Acute Effects:** None known.

**Skin Contact – Acute Effects:** May be mildly irritating to the skin.

**Eye Contact – Acute Effects:** May be slightly irritating to the eyes.

**Ingestion – Acute Effects:** May cause gastrointestinal irritation with nausea and diarrhea.

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### SECTION 4 – FIRST AID MEASURES

**Inhalation First Aid:** No specific first aid measures are required.

**Skin Contact First Aid:** Flush immediately with plenty of water. Seek medical attention if irritation occurs.

**Eye Contact First Aid:** Flush eyes immediately with plenty of water for 5 minutes while holding eyes open. Contacts should be removed before or during flushing. If irritation persists, seek medical attention.

**Ingestion First Aid:** No specific first aid measures are required.

**Medical Conditions Aggravated:** None known.

### SECTION 5 – FIRE FIGHTING MEASURES

**Flash Point/Method:** Closed Cup >93°C (199.4°F).

**Auto Ignition Temperature:** Not determined.

**Upper/Lower Explosion Limits:** Not determined.

**Extinguishing Media:** Water spray, carbon dioxide, dry chemical powder or appropriate foam.

**Fire Fighting Procedures:** Normal fire fighting procedures may be used.

**Fire & Explosion Hazards:** None known.

**Hazardous Products of Decomposition and/or Combustion:** Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids and gases, including carbon monoxide, carbon dioxide, sulfur dioxide, oxides of sulfur, nitrogen and ammonia, and other organic compounds may be evolved when this product undergoes combustion or thermal or oxidative degradation.

**NFPA Ratings:** HEALTH - 0 FLAMMABILITY - 0 REACTIVITY - 0

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

Wear all recommended personal protective equipment (Section 8) and clean up spills immediately. In the event of a major spillage use appropriate containment to avoid environmental contamination. If possible, dike large spills with sand or earth. Remove all sources of ignition. Absorb spill using an absorbent material such as earth, sand, or vermiculite. Place in suitable clean, dry containers for disposal by approved methods. Use a water rinse for final clean up. All disposal methods must be in compliance with all Federal, State, Local and Provincial laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

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### SECTION 7 – HANDLING AND STORAGE

**Handling:** Avoid prolonged contact with skin, eyes, and clothing. Wash thoroughly after handling. FOR INDUSTRIAL USE ONLY.

**Storage:** Store in closed container, between 39°F (4°C) - 100°F (37°C). Avoid prolonged storage at high temperatures and direct sun exposure. Do not freeze. For best performance, use within 24 months. KEEP OUT OF REACH OF CHILDREN.

### SECTION 8 – PERSONAL PROTECTION/ EXPOSURE CONTROL

**Respiratory Protection:** No special protective equipment is required.

**Skin Protection:** No special requirements under normal use conditions. Wear rubber or neoprene gloves for prolonged or repeated contact with skin.

**Eye Protection:** Safety glasses or goggles are recommended.

**Ventilation Protection:** No special ventilation requirements. General room ventilation is adequate.

**Other Protection:** Have potable water available for washing the eyes or skin.

**Exposure Limits:** Exposure limits have not been developed for this product.

### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Appearance & Odor:** Brown liquid with non-obnoxious odor similar to apple cider.

**Vapor Pressure:** Unknown

**Vapor Density (Air=1):** Unknown

**Boiling Point:** > 212°F (100°C)

**Melting Point:** < 32°F (0°C)

**Specific Gravity:** 1.01 – 1.03

**Solubility in Water:** Complete

**Volatile Percentage:** 85 - 90%

**pH:** 4.0 – 4.5 (acidic)

**Flash Point/Method:** Closed Cup >93°C (199.4°F).

**Auto Ignition Temperature:** Not determined.

**Upper/Lower Explosion Limits:** Not determined.

**Other:** Slightly viscous.

### SECTION 10 – STABILITY AND REACTIVITY

**Stability:** This product is stable.

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**Incompatibilities:** Reactive with acids, alkalis, and strong oxidizing agents.

**Polymerization:** Hazardous polymerization will not occur.

**Decomposition:** Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids and gases, including carbon monoxide, carbon dioxide, sulfur dioxide, oxides of sulfur, nitrogen and ammonia, and other organic compounds may be evolved when this product undergoes combustion or thermal or oxidative degradation.

**Conditions to Avoid:** Avoid incompatible materials.

### SECTION 11 – TOXICOLOGICAL INFORMATION

**Inhalation – Acute:** No known effects.

**Inhalation – Chronic:** There are no known chronic inhalation effects.

**Skin Contact – Acute:** Draize Score is believed to be 2.29. May be mildly irritating to the skin.

**Skin Contact – Chronic:** There are no known chronic dermal effects.

**Eye Contact – Acute:** IDE Score is believed to be 13.0. May be slightly irritating to the eyes. Eye contact may cause stinging, tearing, redness, swelling, and pain.

**Ingestion – Acute:** The oral LD50 (rat) is >5.0g/kg. Low hazard for industrial handling. Swallowing large amounts may cause gastrointestinal irritation with nausea and diarrhea.

**Ingestion – Chronic:** There are no known chronic ingestion effects.

**Carcinogenicity/Mutagenicity:** There are no known carcinogenic/mutagenic effects.

**Reproductive Effects:** There are no known reproductive effects.

**Neurotoxicity:** There are no known neurotoxic effects.

**Other Effects:** There are no other known toxic effects.

**Target Organs:** This product will affect the skin, eyes, and digestive tract.

### SECTION 12 – ECOLOGICAL INFORMATION

No data is available for the ecotoxicity of this product. This product is non-persistent and non-cumulative.

### SECTION 13 – DISPOSAL CONSIDERATIONS

If this product becomes a waste, it would not be a hazardous waste by RCRA criteria (40 CFR 261). However, the waste should be properly characterized to evaluate whether its composition has been modified through processing prior to disposal.

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Material that cannot be used or chemically reprocessed and empty containers should be disposed of in accordance with all applicable regulations. Product containers should be thoroughly emptied before disposal. Generators of waste material are required to evaluate all waste for compliance with RCRA and any local disposal procedures and regulations. NOTE: State and local regulations may be more stringent than federal regulations.

### SECTION 14 – TRANSPORTATION INFORMATION

**DOT Shipping Description:** non-regulated

**TDG Classification:** non-regulated

### SECTION 15 – REGULATORY INFORMATION

CERCLA SECTION 103 (40CFR302.4): no RQ: none

SARA SECTION 302 (40CFR355.30): no

SARA SECTION 304 (40CFR355.40): no

SARA SECTION 313 (40CFR372.65): no

OSHA PROCESS SAFETY (29CFR1910.119): no

CALIFORNIA PROPOSITION 65: The following trace or residual chemicals that may be found in ingredients used in this product are substances, or belong to classes of substances, known by the State of California to cause cancer and/or reproductive toxicity.

<u>Chemical Name</u>	<u>Amounts</u>	<u>CAS#</u>
Residual propylene oxide (typical)	Unknown	75-56-9
Residual ethylene oxide	<1 PPM	75-21-8
(May contain) 1,4-Dioxane	<10 PPM	123-91-1

### SECTION 16 – OTHER INFORMATION

**Disclaimer:** The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the user thereof. It is the buyer's responsibility to ensure that its activities comply with federal, state, provincial, and local laws.

**Revision Indicator:** Legal Entity name change 04/01/11