

## Material Safety Data Sheet

**Identity:** Yuccah™ Liquid Concentrate      **Last Update:** March 3, 2011

**Chemical name:** Natural Sarsaponin (Extract of *Yucca schidigera* plant) with synthetic surfactant

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### Section I -- Manufacturer

Lebanon Seaboard Corporation  
1600 East Cumberland Street  
Lebanon PA 17042

**Emergency Phone #:** 800-424-9300 CHEMTREC  
**Phone # for Information:** 717-273-1685

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### Section II -- Hazardous Ingredients/Identity Information

Hazardous Components	%	
Nonylphenoxy poly(ethyleneoxy) ethanol	9.9	Oral Toxicity: 3000 mg/Kg (rat)
Sodium Benzoate	0.2	Oral Toxicity: 4.1 g/Kg (rat LD <sub>50</sub> )
or		<b>OSHA PEL</b> <b>ACGIH TLV</b>
Copper Sulfate	0.2	1 mg/m <sup>3</sup> (as Cu)

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### Section III -- Physical/Chemical Characteristics

**Boiling Point:** NA      **Specific Gravity:** 1.07  
**Vapor Pressure:** NA      **Melting Point:** NA  
**Vapor Density:** NA      **Evaporation Rate:** NA  
**Solubility in Water:** fully soluble  
**Appearance and Odor:** Thick liquid with color of coffee and slight coffee odor.

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### Section IV -- Fire and Explosion Hazard Data

**Flash Point:** will not burn unless boiled dry      **Flammable Limits; LEL:** NA **UEL:** NA

**Extinguishing Media:** Water, foam.

**Special Fire Fighting Procedures:** None

**Unusual Fire and Explosion Hazards:** None, will not burn unless boiled dry.

**NFPA:**      Healthy: 1      Flammability: 0      Reactivity: 0

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### Section V -- Reactivity Data

**Stability:** Chemically stable      **Conditions to Avoid:** May ferment if diluted during storage, causing the evolution of gas (CO<sub>2</sub>) and pressurizing of containers. Avoid heat.

**Incompatibility (Materials to avoid):** None Known

**Hazardous Decomposition or Byproducts:** When boiled down and burned: CO, CO<sub>2</sub>, hydrocarbons.

**Hazardous Polymerization:** Will Not Occur

## *MSDS -- Yuccah™ Liquid Concentrate*

### *Section VI -- Health Hazard Data*

**Route(s) of Entry:** Skin--Yes      Ingestion--Yes      Eyes: yes      Inhalation: No

**Health Hazards (Acute and Chronic):** Brief contact to skin is not hazardous. Prolonged skin exposure may stain and defat skin. May irritate eyes, mouth and other mucous membranes if contacted.

**Carcinogenicity:** No Data

**Signs and Symptoms of Exposure:** Irritation of eyes, mouth or throat if contacted; stained and dry skin. Possible digestive disturbances if ingested.

**Medical Conditions Generally Aggravated by Exposure:** None Known

**Emergency and First Aid Procedures:** Eyes: Flush with water. See physician if irritation persists. Skin: Wash with soap and water, apply a skin lotion to alleviate dryness. Ingestion: If ingested, drink water, induce vomiting, and call a physician.

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### *Section VII -- Precautions for Safe Handling and Use*

**Steps to be Taken in Case Material is Released or Spilled:** The major ingredient is a safe and nonhazardous plant extract. The other ingredients are surfactants and preservatives. There is little danger to the environment if spilled. Collect spilled material, and be cautious of slippery conditions. Wash surfaces clean with water.

**Waste Disposal Method:** Check with local authorities to determine if material can be handled through the municipal waste water system (POTW). Follow all state, federal, and local regulations for solid waste.

**Precautions to be Taken in Case Material is Released or Spilled:** The major ingredient is a safe and nonhazardous plant extract. The other ingredients are surfactants and preservatives. There is little danger to the environment if spilled. Collect spilled material, and be cautious of slippery conditions. Wash surfaces clean with water.

**Other Precautions:** Do not dilute or add materials to the product, as fermentation or other biological activity may occur, releasing byproducts, and causing pressurization of the container.

### *Section VII -- Control Measures*

**Respiratory Protection:** Not required

**Ventilation:** Not required

**Protective Gloves:** Recommended: Rubber, latex, vinyl, or any gloves without pores.

**Eye Protection:** Safety Glasses recommended.

**Other Protective Clothing or Equipment:** Apron recommended to protect clothing from staining.

**Work/Hygienic Practices:** Wash hands after handling. If spilled on clothes, wash as usual. If spilled on floor, wash area to protect against slippage.