

## Material Safety Data Sheet

**Identity: Honey Bee™ Polyol HB-56 & HB-56-I (2F56H)**

**Page 1 of 3**

Synonym: Soybean oil polyol

### Section I

**Manufacturer's Name**

MCPU Polymer Engineering, LLC  
826 E. 4<sup>th</sup> St. Pittsburg, KS 66762

**Emergency Telephone Number: 1-800-535-5053**

Information Telephone Number: 1-620-231-4239

Issue Date: July 10, 2010

Prepared by: Dr. Frank Du

Reviewed by: Dr. Thomas Garrett

### Section II- Hazardous Ingredients/Identity Information

Hazardous Ingredients	CAS Number	OHSA PEL	ACGIH TLV	Weight %
NONE				

### Section III- Physical/Chemical Characteristics

Physical state:	High Viscosity Liquid	Color:	Light yellow
Boiling Point:	Not Available	Specific Gravity:	1.02
Vapor Pressure:	Not Available	Melting Point:	Not Available
Vapor Density:	Not Available	Evaporation Rate:	Less than 1
		(Butyl Acetate = 1)	

**Solubility in water:** Insoluble

**Appearance and odor:** Honey color oil. Vegetable oil odor.

### Section IV- Fire and Explosion Hazard Data

**Flash Point (method used):** > 300°F (Closed Cup)

**Flammable Limits:** Not Applicable

**LEL:** Not Available      **UEL:** Not Available

**Extinguishing Media:** CO<sub>2</sub>, Foam, or Dry Chemical

**Special Fire Fighting Procedures:** Class B fire; application of water to burning oil can cause spattering.

**Unusual Fire and Explosion Hazards:** Explosion Hazard: NONE. Possible risk of auto ignition/spontaneous combustion under high temperature, closed conditions if material is absorbed on various fiber matrices and oxygen is present.

## **Section V- Reactivity Data**

**Stability:** Stable

**Conditions to avoid:** Temperatures >150°F

**Incompatibilities (materials to avoid contact with):** Ammonia, alcohols, amines, acid and alkali solutions.

**Hazardous Decomposition Products:** Carbon monoxide upon combustion

**Hazardous Polymerization:** Will not occur

**Conditions to Avoid:** High temperatures

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

**Eye:** May cause moderate irritation.

**Skin:** May cause mild irritation.

**Ingestion:** May cause mild harm if swallowed.

**Health Hazards (acute and chronic):** None known

**Carcinogenicity:** None known

**Signs and Symptoms of Exposure:** None Known

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

**Emergency First Aid Procedures:** Contact a physician. If skin is contaminated, remove any contaminated clothing and wash skin with soap and water.

**Eye Contact:** Flush with copious amounts of water for at least 15 minutes, consult a physician;

**Inhalation:** Remove to clean air; assist in breathing if necessary; consult a physician.

**Ingestion:** Do not induce vomiting. If victim is not breathing, perform CPR and seek immediate medical attention.

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

**Steps to be taken in Case Material is Released or Spilled:** Immediately confine the spill using absorbent materials and collect with a solid absorbent. After the bulk of the spill is absorbed, shovel the absorbent into open top drums. Decontaminate the area with the following solution: 0.5% liquid detergent in water.

**Waste Disposal Method:** Remove the top of empty drums and decontaminate with the above solution.

The residue is not a Hazardous Waste under RCRA 40 CFR 261. Dispose of following Federal and State guidelines.

**Precautions to be taken in Handling and Storage:** Wear Impervious Chemical Gloves and Eye Protection.

## **Section VIII- Control Measures**

**Respiratory Protection:** If the material is at an elevated temperature or in aerosol form, wear a NIOSH approved respirator.

**Ventilation (Local Exhaust):** Sufficient for general use.

**Special:** Not needed

**Mechanical (General):** Sufficient for general use

**Impervious Protective Gloves:** Needed

**Other Protective Clothing or Equipment:** Not Required

**Eye Protection:** Needed

**Work/Hygenic Practices:** Use normal good housekeeping practices. Wash exposed skin with soap and water.

### **Section IX- Toxicological Information**

**Product LD50 (Oral):** Not Available      **(Dermal):** Not Available      **LC50 Inhalation:** Not Available

### **Section X- Ecological Information**

**Environmental Fate and Distribution:** It is unlikely that significant environmental exposure in the air or water will arise.

**Persistence and Degradation:** Immiscible with water but will react with strongly basic water solution to produce a soap product.

**Toxicity:** Not Available

### **Section XI- Disposal Considerations**

Do not pour into waterways or down drains or sewers. Small amounts and empty drums should be treated with the decontamination solution (see Section VII). Solidify any liquids with an absorbent solid and dispose of following state and federal regulations.

### **Section XII- Transportation Information**

**DOT Proper Shipping Name:** Not Regulated

**DOT Hazard Class:** Not Applicable      **DOT UN/NA Number:** Not Applicable      **Packing Group:** Not Applicable

**Emergency Response Guide Number:** (InfoTrac 1-800-535-5053)

### **Section XIII- Regulatory Information**

**OSHA:** Not Applicable

**SARA Section 313:** Not Applicable

**Toxic Substances Control Act:** Not Applicable

**CERCLA (Comprehensive Environmental Response, Compensation and Liability Act):** Not Applicable

**State Regulations:** No specific state regulations are known for this material.

### **Section XIV - Other Information**

**HMIS Ratings:** Health - 1      Flammability - 1      Reactivity - 1