

Material Safety Data Sheet

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

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Synonym: Soybean oil polyol

Section I

Manufacturer's Name

MCPU Polymer Engineering, LLC
826 E. 4th St. Pittsburg, KS 66762

Emergency Telephone Number: 1-800-535-5053

Information Telephone Number: 1-620-231-4239

Issue Date: July 10, 2010

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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:	0.97
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: CO₂, 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 Yet Listed

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