



BROOKFIELD ENGINEERING LABORATORIES, INC.
 11 COMMERCE BOULEVARD
 MIDDLEBORO, MASSACHUSETTS 02346, USA

Material Safety Data Sheet

Fluid: B2000, KU106

Manufacturer's Name and Address Brookfield Engineering Laboratories 11 Commerce Boulevard Middleboro, MA 02346		Emergency Telephone (Chem-Tel Inc.): Domestic (US/PR/Canada/US Virgin Is); 800 255 3924 International (outside N. America); +(1) 813 248 0585 Revision Date: April 7, 2005	
1. IDENTITY			
Common Name: (used on label) (Trade Name & Synonym): B2000, KU106			
Chemical Name: Poly Alpha Olefin		Cas No. 68037-01-4	
Formula: 1-decene homopolymer hydrogenated		Chemical Family: PAO	
2. HAZARDOUS INGREDIENTS			
Principal Hazardous Component(s) (chemical & common name(s))		%	Threshold Limit Value (units)
Not applicable			
THIS ITEM IS CONTAINED IN THE TSCA INVENTORY			
HAZARD RATING			
N 4 - Extreme F 3 - High P 2 - Moderate A 1 - Slight 0 - Insignificant		Fire Toxicity Reactivity Special (Contact)	
3. PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)			
Boiling Point: N/A		Specific Gravity (H ₂ O = 1): 0.80-0.90	
Vapor Pressure (mm Hg): N/A		Percent Volatile By Volume (%): N/A	
Vapor Density (Air = 1): N/A		Evaporation Rate (_____ = 1): N/A	
Solubility In Water: Insoluble		Reactivity In Water: N/A	
Appearance and Odor: Clear light oil with characteristic odor.			
Flash Point: 280°C (COC)		Flammable Limits in Air: <u>Lower</u> <u>Upper</u> (% by Volume) N/A N/A	
Extinguisher Media: Water spray, dry chemical, CO ₂		Auto-Ignition Temperature 310°C (Fire Pt.)	
Special Fire Fighting Procedures: Firefighters should wear self-contained breathing apparatus to prevent inhalation of combustion products.		Unusual Fire and Explosion Hazards: Sensitivity to mechanical impact: Not available Sensitivity to static discharge: Not available	
4. PHYSICAL HAZARDS			
Stability: Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/>		Conditions To Avoid: Not available	
Incompatibility (Materials to Avoid): None identified		Hazardous Decomposition Products: Oxides of carbon on combustion	
Hazardous Polymerization: May Occur <input type="checkbox"/> Will Not Occur <input checked="" type="checkbox"/>		Conditions To Avoid: Not available	



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5. HEALTH HAZARDS

Threshold Limit Value:

Oil mist: TWA-TLV 5 mg/m3 (ACGIH 1987-88)

Signs and Symptoms of Exposure:

- Acute Overexposure: No health hazards have been identified. Inhalation of high concentration of mist may irritate nose, throat and respiratory tract, but is not likely to produce severe local or systemic effects.
- Chronic Overexposure: Unknown

Medical Conditions Generally Aggravated by Exposure: Unknown

Chemical Listed as
 Carcinogen Or Potential
 Carcinogen: N/A

National Toxicology
 Program: No

I.A.R.C. Monographs: No

OSHA: No

OSHA Permissible Exposure
 Limit: N/A

ACGIH Threshold Limit Value:
 N/A

Other Exposure Limit Data: N/A

Emergency and First Aid Procedures

1. Inhalation: Remove to fresh air. Aid or restore breathing if necessary. Get medical attention if necessary.
2. Eyes: Flush eyes with running water for at least fifteen minutes. If irritation develops, seek medical attention.
3. Skin: Wash thoroughly with soap and water. Remove contaminated clothing and wash before re-use.
4. Ingestion: Due to low acute oral toxicity, it should not be necessary to induce vomiting. Seek medical attention.

6. SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): Approved for mists.

Ventilation: Respiratory protection
 recommended

Local Exhaust: N/A

Mechanical (General): N/A

Protective Gloves: Impervious gloves

Eye Protection: Safety glasses with side shields or
 chemical safety goggles.

Other Protective Clothing or Equipment: Emergency eye wash and shower.

7. SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken In Handling and Storage: Store in a cool, dry location. Handle in a well-ventilated area. Use personal protective equipment to prevent contact with skin and eyes. Keep containers closed when not in use.

Other Precautions: Emergency eyewash and shower.

Steps to be taken in Case Material is Released or Spilled: Cleanup personnel should wear personal protective equipment. Absorb in dry inert material (sand, clay, sawdust, etc.). Transfer to disposal container(s).

Waste Disposal Methods: Ensure conformity with all applicable Disposal Regulations. Contact regional environmental agency.