

## MATERIAL SAFETY DATA SHEET – BAC-50

Manufactured by: Alklean Industries, Inc.  
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### SECTION I – PRODUCT IDENTIFICATION

Product Name: BAC-50  
Synonyms: Degreaser  
Chemical Description: Methyl Ester Solvent Blend  
Intended Use: Cleaning Compound

### SECTION II – HAZARDOUS INGREDIENTS

Chemical ID	CAS Number	% Weight	OSHA PEL	ACGIH TLV
Alkly C14-C24 Methyl Esters	67784-80-9			
Terpene Hydrocarbon	5989-27-5			
Ethylene Glycol Butyl Ester	111-76-2			

### SECTION III – PHYSICAL & CHEMICAL PROPERTIES

Appearance and Odor: Clear Green Liquid  
Boiling Point °F/C: >400°F  
Vapor Pressure (mm Hg): <5mm Hg  
Vapor Density (Air=1): 4.1  
Solubility in Water: Miscible

pH: none  
Specific Gravity (Water=1): 0.880  
Melting Point (°F/C):  
Evaporation Rate (Butyl Acetate=1): 5.070

### SECTION IV – FIRE AND EXPLOSION HAZARD

Flash Point (Method): 160°F  
Extinguishing Media: Water Spray, chemical, foam.  
Special Fire Fighting Procedures: Treat as oil fire  
Flammable Limits (LFL/UFL): NA

**Fire and Explosion Hazards:** Rags soaked with product will present a fire hazard. Should be stored in approved UL listed, covered container. Static Electricity may accumulate and create a fire hazard. Ground fixed equipment. Bond and ground transfer containers and equipment. Contact with oxidizers may result in a fire and/or explosion. Empty containers can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near containers.

### SECTION V – HEALTH HAZARD AND FIRST AID

Routes of Entry (Inhale, Ingest, Skin, Eye): All  
Health Hazard (Acute and Chronic): None Known  
Carcinogen/Details: None Known  
OSHA Regulated? No

**Signs and Symptoms of Exposure:** **Inhalation:** Prolonged or repeated overexposure by inhalation may cause central nervous system (CNS) depression. Symptoms of early to moderate CNS depression include giddiness, dizziness, confusion, drunken behavior, headache, nausea, vomiting, diarrhea, tiredness and drowsiness. In extreme cases, symptoms of CNS depression include stupor, convulsions, unconsciousness, coma and even death.  
**Ingestion:** May cause CNS depression. Symptoms of early to moderate CNS depression include giddiness, dizziness, confusion, drunken behavior, headache, nausea, vomiting, diarrhea, tiredness and drowsiness. In extreme cases, symptoms of CNS depression include stupor, convulsions, unconsciousness, coma and even death.

**Medical Conditions Generally Aggravated by Exposure:** Disorders of the eyes, skin, respiratory systems, liver kidneys.

**Emergency and First Aid Procedures:**

**Skin:** Immediately wash area with soap and water. Remove contaminated clothing and shoes. Thoroughly launder clothing and shoes before reusing.  
**Eyes:** Flush eyes with flowing water for 15 minutes. Seek medical attention.  
**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult administer oxygen and seek medical attention.  
**Ingestion:** Rinse mouth with water and drink two full glasses of water and induce vomiting immediately. Never give anything by mouth to an unconscious person. Seek Medical attention.

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**SECTION VI – STABILITY AND REACTIVITY**

Stability: Stable                      Conditions to Avoid: Open Flames  
Incompatibles: Strong Oxidizing agents  
Hazardous Decomposition: Carbon Monoxide, Carbon Dioxide  
Hazardous Polymerization: Will Not Occur      Conditions to Avoid: Open flames & heated surfaces in excess of flash point.

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**SECTION VII – HANDLING AND STORAGE**

Respiratory Protection: If exposure limits are exceeded or if exposure may occur, use a NIOSH/MSHA respirator, approved for your conditions of exposure. Respiratory protection program must be in compliance with OSHA requirements in 29 CFR 1910.134. For emergencies, a NIOSH/MSHA approved positive pressure breathing apparatus should readily available.  
Ventilation: Positive air exchange with mechanical is adequate  
Hand Impervious gloves              Eye Safety glasses or goggles. **Never** wear contact  
Protection:                                      Protection: lens when working with chemicals.  
Other Protective Clothing/Equipment: Rubber apron when handling full strength.  
Work/Hygienic Practices: Wash hands after use  
Storage: Store in closed labeled containers. Store in dry cool place. Store away from oxidizers.  
Other Precautions: Keep container closed when not in use. Keep away from children and untrained personnel.

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**SECTION VIII – SPILL AND DISPOSAL**

Containment: Soak up with absorbent material.  
Clean-Up: Shovel into properly labeled, non leaking container.  
Disposal: Disposal of waste may be subject to federal, state, and local regulations. Users should review their regulations.  
Other Emergency Advice: This product is combustible with a flash point less than 200°F. Keep liquid vapor away from strong oxidizers, heat, sparks and flame. No smoking and extinguish all ignition sources when vapors are present.

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**SECTION IX – TRANSPORTING**

Proper Shipping Name: Unclassified  
Label requirements: Combustible in containers over 190 gallons.  
Reportable quantity: None

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**SECTION X – REGULATORY INFORMATION**

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**SECTION XI – NFPA HAZARD RATINGS**

	Health	1		
	Flammability	2		
	Reactivity	0		
0 = Minimal	1 = Slight	2 = Moderate	3 = Serious	4 = Severe

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**SECTION XII – OTHER INFORMATION**

*This data is offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.*

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**SECTION XIII – REFERENCES**

END