

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION				
Manufacturer's Name: MKG Sales Associates, Inc. Address: Medford Industrial Park 130 Miller Road Medford, NJ 08055		Identity (trade name as used on label): Brigadeer Economy Cleaner Degreaser Liquid		
Date Prepared: 11/12/96 Prepared By: RR		MSDS Number: 2026020		
Information Calls: (609)953-4700 EMERGENCY RESPONSE NUMBER: 800-444-8900		NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA		
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION				
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS Number	OSHA PEL (ppm)	ACGIH TLV (ppm)	%
2-Butoxyethanol	111-76-2	50	25	Max. 5
Sodium Metasilicate	6834-92-0	N/E	N/E	
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS				
Boiling Point: Near 212 F		Specific Gravity (H2O=1): 1.055 ± 0.005		
Vapor Pressure: Unknown		pH: 13.0 ± 0.5		
Vapor Density (air=1): Unknown		Evaporation Rate (vs. H2O): About the same		
Solubility in Water: Complete				
Appearance and Odor: Liquid, "butyl" odor				
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA				
Flammable Limits		LEL: Unknown		UEL: Unknown
FLASH POINT AND METHOD USED (°F): (TCC) None to boiling		Extinguishing Media: CO2, dry chemical, foam, water spray		
Unusual Fire & Explosion Hazards: None known				
Special Fire Fighting Procedures: Do not enter confined fire-spaces without protective clothing and self-contained air supply.				
SECTION 4 - REACTIVITY HAZARD DATA				
STABILITY [X] STABLE [] UNSTABLE		Incompatibility (Mat. to avoid): Strong oxidizers		
Hazardous Decomposition Products: Carbon monoxide and other unidentified organic gases may occur during incomplete combustion.				
SECTION 5 - HEALTH HAZARD DATA				
Effects of Overexposure:		Primary Routes of Exposure: Eye, skin, oral, inhalation		
Eyes: redness, irritation.		Inhalation: Irritation to mucous membranes.		
Skin: Redness, severe irritation. Headache, nausea, dizziness may result from breathing vapors or from absorption through skin.		Ingestion: Severe irritation to mucous membranes.		
EMERGENCY FIRST AID PROCEDURES				
Eye Contact: Flush immediately with water for at least 15 minutes. If irritation persists, call a physician.				
Skin Contact: Wash with soap and water. Remove contaminated clothing and wash before reuse.				
Ingestion: Drink large quantities of milk or water. Call a physician.				
Inhalation: Remove exposed person to fresh air. Treat symptomatically. Call a physician.				
Medical conditions aggravated by exposure: None known.				
SECTION 6 - CONTROL AND PROTECTIVE MEASURES				
Respiratory Protection: Not needed under normal conditions of use.				
Protective Gloves: Rubber		Eye Protection: Safety glasses/ goggles		
Ventilation Requirements: Mechanical				
Other Protective Clothing & Equipment: May be needed if splashing or spray drift occurs.				
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE				
Steps To Be Taken If Material Is Spilled Or Released: Absorb liquid with suitable absorbent. For large spills, absorb with suitable absorbent and collect for disposal.				
Waste Disposal Methods: Dispose of in accordance with applicable Federal, State, and Local ordinances.				
Precautions To Be Taken In Handling & Storage: Do not get in eyes, on skin, or clothing. Avoid breathing vapor or mist. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.				
Other Precautions &/or Special Hazards: N/A				

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

** Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only