

Kardol Quality Products
285 S. West Street
Lebanon, Ohio 45036
513-933-8206 Fax: 513-932-6900

MATERIAL SAFETY DATA SHEET
#100350
Trade Name: Glass Cleaner

Section 1: Composition / Information on Ingredients

Hazardous Component	CAS #	Weight Percent	Occupational Exposure Limits			Vapor PI@ Temp MM Hg
			OSHA PEL	ACGIH TLV	Other	
Ethyl Alcohol	64-17-5	1-3%	1000ppm	1000ppm		
2-Butoxyethanol	111-76-2	1-3%	50ppm	20ppm		
Propane	74-98-6	1-3%	1000ppm	1000ppm		
n-Butane	106-97-8	1-3%		1000ppm		
Non-hazardous and other components below reportable levels		>90%				

Section 2: Physical & Chemical Properties

Appearance & Odor: Compressed liquefied gas. Butyl
pH: 9.5-10.5
Vapor Pressure (mm Hg.): 70-90 psig @ 70° F
Vapor Density (AIR = 1): 0.9604 g/cm3 estimated
Evaporation Rate (Ethyl Ether=1 = 1):
Boiling Point: 204.8° F (96.1 °C) estimated
Melting Point:
Freezing Point:
Solubility in Water: Completely
Specific Gravity or Density (H₂O = 1): 0.9605 estimated
Material VOC: (less water & exempts): g/l=nil lbs/gal=nil

Section 3: Fire & Explosion Hazard Data

Flash Point: -156 °F (-104.4 °C) Propellant
Flammability Limits: 3.2733 kj/g estimated
Extinguishing Media: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).
Special Fire Fighting:

Section 4: Reactivity Hazard Data

Stability:
Conditions to Avoid: Heat, flames and sparks.
Hazardous Decomposition: Irritants. Toxic gas.

Section 5: Health Hazard Data

Inhalation Risks and Symptoms of Exposure: Intentional misuse by concentrating and inhaling the product can be harmful or fatal.

Skin and Eye Contact Health Risks and Symptoms: May be harmful if absorbed through skin. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. **Eye:** Health injuries are not known or expected under normal use.

Carcinogenicity: NTP Carcinogen: NO **IARC Monographs:** **OSHA Regulated:** YES

Medical Conditions Generally Aggravated by Exposure

Skin contact.

Ingestion.

EMERGENCY FIRST AID PROCEDURE:

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops or persists.

Skin Contact: Immediately take off all contaminated clothing. Wash off with warm water and soap. Get medical attention if irritation develops and persists.

Inhalation: If symptoms develop, move victim to fresh air. Get medical attention if symptoms occur.

INGESTION: If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. If ingestion of a large amount does occur, call a poison control center immediately.

Section 6: Control and Protective Measures

Respiratory Protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. If permissible levels are exceeded, use NIOSH mechanical filter/organic vapor cartridge or an air-supplied respirator.

Ventilation:

Protective Gloves: Chemical resistant gloves.

Eye Protection: Chemical goggles are recommended.

Other Protective Clothing: Wear appropriate chemical resistant clothing.

Work/Hygienic Practices:

Section 7: Precautions for Safe Handling & Use

IN CASE OF SPILL: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

WASTE DISPOSAL: Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. This product, in its present state, when discarded

Other Precautions:

DOT
Shipping Name:
Liquid Cleaning Compound
N.O.I

HAZARD INDEX
Health: 1
Flammability: 2
Reactivity:

24 HOUR EMERGENCY NUMBER
1-800-424-9300

KEEP OUT OF REACH OF CHILDREN!!!!