



MATERIAL SAFETY DATA SHEET

HEAD CLEANING KIT

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A-SP-ELMD049-AA-0 Rev A

SECTION 1 - PREPARATION/PRODUCT INFORMATION

Manufacturer's Name: Digital Equipment Corporation, Maynard, MA USA

Non-Emergency Phone Number: (508) 496-9242

Emergency Phone Numbers: 800-228-5635 ext.123
[+1] 612-221-3999 ext.123

Preparation Date: April 30, 1993

Supersedes: March 20, 1993

Product Name: Head Cleaning Kit

Part Number(s): TZK1X-HA, 30-34446-02

Use: Tape Drive Cleaner - TZK10

SECTION 2 - INGREDIENTS

HAZARDOUS INGREDIENTS	CAS	%	ACGIH TLV	OSHA PEL	CARCINOGEN LIST			SARA 313
					IARC	NTP	OSHA	

Propylene Glycol N-Butyl Ether	5131-66-8	86	NO	NO	NO	NO	NO	NO
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OTHER INGREDIENTS

Propanol, Butoxy (mixed isomers)	63716-40-5	14	NO	NO	NO	NO	NO	NO
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The chemicals contained in this product are on the U.S. TSCA inventory.

SECTION 3 - PHYSICAL AND CHEMICAL DATA

Boiling Point - >170°C (338°F)	Solubility in Water - Slight
Vapor Pressure - Not available	Percent Volatile - Not available
Vapor Density - >1 (air=1)	Evaporation Rate - Not available
Appearance - Clear liquid	Odor and Odor Threshold - Mild
Freezing Point - Not available	pH - Not available
Melting/Softening Point - Not applicable	Specific Gravity - 0.88 (water=1)

SECTION 4 - FIRE AND EXPLOSION HAZARD

Flash Point - 65.6°C (170°F) closed cup	Unusual Fire or Explosion Hazards - None
Auto-Ignition Temperature - Not available	Flammable Limits - Not available
Extinguishing Media - Dry chemical, chemical foam, carbon dioxide	Special Fire-Fighting Procedure - Self contained breathing apparatus
Hazardous Combustion Products - Not available	

SECTION 5 - REACTIVITY DATA

Stability - Stable

Incompatibility - Strong oxidizers

Hazardous Decomposition Products - Carbon dioxide, carbon monoxide

Conditions to Avoid - Heat, flame, fire, temperature >204°C (400°F)

Hazardous Polymerization - None

SECTION 6 - HEALTH HAZARD DATA/TOXICOLOGICAL PROPERTIES

Hazard to Humans - Exposure by inhalation and skin possible. Overexposure may cause irritation to the eyes and mild skin irritation.

Animal Experiment (Based on propylene glycol n-butyl ether) -

Acute - Oral LD50- Not available

Dermal LD50- 3.1 g/kg (practically non-toxic)

Inhalation LC50- Not available

May cause eye injury which may persist for several days.

Chronic/Other - Data shows that there are no reproductive effects. Information on mutagenicity not available. No evidence of carcinogenic potential.

Additional Information - Propylene glycol n-butyl ether is hazardous because it has a flash point below 93°C (200°F).

SECTION 7 - EMERGENCY/FIRST AID PROCEDURE

If Inhaled - Remove to fresh air. Support breathing if necessary and contact a physician.

If on Skin - Flush skin with large quantities of water for at least 15 minutes.

If in Eyes - Flush eyes with large quantities of water for at least 15 minutes. If irritation is present after washing, contact a physician.

If Swallowed - Seek immediate medical attention.

SECTION 8 - SAFE HANDLING/PREVENTIVE MEASURES

Personal Protective Equipment - Safety goggles, neoprene gloves

Engineer Control - None

Waste Disposal - Dispose of used product as rubbish.

Procedures for Leaks or Spills - Use cloth or paper towel to absorb material; remove all ignition sources.

Work Practices - None

Storage Requirement - Keep container closed and in cool, ventilated area.

Handling Procedure/Equipment - Keep container closed and in ventilated area away from flame.

Labelling - U.S.-Combustible Liquid

WHMIS Classification - Class B Division 3-Combustible Liquid

SECTION 9 - TRANSPORTATION REQUIREMENTS

None

MSDS SATISFIES OSHA AND WHMIS REQUIREMENTS