



MATERIAL SAFETY DATA SHEET

HEAD CLEANER

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A-SP-ELMD011-AA-0

Rev C

SECTION 1 - IDENTIFICATION OF SUBSTANCE/COMPANY PREPARING INFORMATION

Product Name: Head Cleaner **Part Numbers:** TKXX-HC, 22-00436-01;
TKXXR-HC, 22-00436-02

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

Emergency Phone Numbers: **Non-Emergency (U.S.) Phone Number:**
North America 800-228-5635, ext. 123 (978) 496-9242
Worldwide [+1] 612-221-3999, ext. 123

Use: TK30/TK50/TK70 Tape drives **Supersedes Date:** July 11, 1995
Preparation Date: September 24, 1998

SECTION 2 - COMPOSITION/INGREDIENTS

INGREDIENTS	CAS	%	ACGIH TLV	OSHA PEL
Isopropyl Alcohol	67-63-0	100	400 ppm	400 ppm

SECTION 3 - HAZARD IDENTIFICATION

Hazard to Humans - Exposure by inhalation and skin possible. Overexposure may cause irritation to the throat, nose, and eyes. Narcosis at very high levels is possible.

SECTION 4 - FIRST-AID MEASURES

- If Inhaled** - Remove from exposure.
- If on Skin** - Wash skin with soap and water.
- 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 5 - FIRE-FIGHTING MEASURES

Special Fire-Fighting Procedure - None	Unusual Fire or Explosion Hazards - None
Extinguishing Media - Dry chemical, alcohol foam, carbon dioxide	Hazardous Combustion Products - Carbon monoxide, carbon dioxide

SECTION 6 - ACCIDENTAL RELEASE MEASURES

None

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SECTION 7 - HANDLING AND STORAGE

Engineer Control - Not needed
Work Practices - None
Storage Requirement - Keep container closed and in cool, ventilated area.

Procedure/Equipment - Use at room temperature.
Procedures for Leaks or Spills - Use cloth or paper towel to absorb material; use water spray to reduce vapors; remove all ignition sources.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Personal Protective Equipment - None for normal use

Engineering Measures - Not needed

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance - Clear
Odor and Odor Threshold - Slight (50 ppm)
pH - Not available
Boiling Point - 83° C (181° F)

Vapor Pressure - 22 mm Hg @ 20° C (68° F)
Vapor Density - 2.1 (air=1)
Melting/Softening Point - Not available
Specific Gravity - 0.78 (water=1)
Flammable Limits - Lower:2%; UEL: 12%

Explosive Properties - Not applicable
Partition Coefficient - Not applicable
Oxidizing Properties - Not applicable
Solubility in Water - Miscible; Fat - Not applicable
Percent Volatile - 100
Evaporation Rate - 2.83 (butyl acetate=1)
Freezing Point - -89° C (-128° F)
Flash Point - 12° C (53.6° F) closed cup
Auto-Ignition Temperature - 456° C (852° F)

SECTION 10 - STABILITY AND REACTIVITY

Stability - Stable
Hazardous Decomposition Products - Not available
Incompatibility - Strong oxidizers

Hazardous Polymerization - None
Conditions to Avoid - Heat, flame, fire

SECTION 11 - TOXICOLOGICAL INFORMATION

Animal Experiment (based on hazardous ingredients data) -

Acute - Oral LD₅₀ - >5 g/kg (practically nontoxic). Dermal LD₅₀ - >20 g/kg.
Inhalation LC₅₀ - >20 mg/l (practically nontoxic). May cause eye injury that may persist for several days.

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

Additional Information - The AGCIH TLV for hazardous ingredients was established for eye, nose, and throat irritation.

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SECTION 12 - ECOLOGICAL INFORMATION

None; should not remain in the environment. No ecological effect.

SECTION 13 - DISPOSAL INFORMATION

Waste Disposal - Dispose of used product in accordance with applicable regulations.

SECTION 14 - TRANSPORTATION INFORMATION

Proper Shipping Name - Isopropanol

Hazard Class - 3

Identification Number - UN 1219

RQ - Not applicable

Packing Group - II

SECTION 15 - REGULATORY INFORMATION

Not on the IARC, OSHA, or NTP carcinogen list.

Not listed by California *Proposition 65*.

Not listed on SARA Title III.

All ingredients are on U.S. TSCA inventory.

WHMIS Classification - Class B Division 2: Flammable Liquid.

See local requirements.

SECTION 16 - OTHER INFORMATION

Disclaimer: Data is the most current known to Digital Equipment Corporation at the time of preparation and is believed to be accurate. No warranty as to its accuracy or completeness is expressed or implied.