



Material Safety Data Sheet

1. Product and Company Identification

Material name CH140A
Version # 02
Revision date 15-Nov-2009
Synonym(s) ColorSpan 0901147-500
Company identification Hewlett-Packard Company
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2. Hazards Identification

Emergency overview Causes severe irritation of eyes, skin and mucous membranes.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Acute health effects

Skin contact Avoid contact with skin.
Contact causes skin irritation.

Inhalation Avoid breathing vapors or mists of this product.

Ingestion Ingestion is not expected to be a primary route of exposure for this product under normal use conditions. Harmful if swallowed.

Potential health effects

Routes of exposure Potential routes of exposure under normal use conditions are skin, eye contact and inhalation.

3. Composition / Information on Ingredients

Component/substance	CAS number	% by weight
2-(2-ethoxyethoxy)ethyl Acetate	112-15-2	60-100

4. First Aid Measures

First aid procedures

Eye contact In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Get medical attention immediately.

Skin contact In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water. Wash clothing separately before reuse.
If irritation persists get medical attention.

Inhalation Move person to fresh air immediately. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen.
Get medical attention immediately.

Ingestion Rinse mouth out with water. Induce vomiting if person is conscious. Never give anything by mouth to an unconscious person.
Get medical attention immediately.



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5. Fire Fighting Measures

Flash point and method	235.4 °F (113 °C);
Hazardous combustion products	Carbon monoxide and carbon dioxide.
Extinguishing media	
Suitable extinguishing media	Dry chemical, CO2, sand, earth, water spray or regular foam.
Protection of firefighters	
Protective equipment and precautions for firefighters	Move containers from fire area if you can do it without risk. Avoid runoff into storm sewers and ditches which lead to waterways. Cool containers with flooding quantities of water until well after fire is out.

6. Accidental Release Measures

Personal precautions	Avoid contact with skin. Avoid inhalation of vapors or mists. Do not touch or walk through spilled material. Ensure adequate ventilation. Use personal protective equipment to minimize exposure to skin and eye. In the case of vapor formation use a respirator with an approved filter.
Environmental precautions	Do not flush into surface water or sanitary sewer system.
Methods for cleaning up	Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Small liquid spills: Flush area with flooding quantities of water.

7. Handling and Storage

Handling	Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Wear personal protective equipment.
Storage	Keep containers tightly closed in a cool, well-ventilated place. Store away from strong oxidizers. Keep away from heat, sparks, and flame. Keep out of the reach of children.

8. Exposure Controls / Personal Protection

Personal protective equipment	
Eye / face protection	Wear safety glasses; chemical goggles (if splashing is possible). Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
Skin protection	Wear appropriate chemical resistant clothing. Wear appropriate chemical resistant gloves.
Respiratory protection	Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.
General hygiene considerations	Do not get this material in contact with skin. Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Launder contaminated clothing before reuse.

9. Physical & Chemical Properties

Color	Clear
Odor	Characteristic.
Odor threshold	Not available.
Physical state	Liquid.
Form	Liquid.
pH	Not available.
Melting point	Not available.
Freezing point	-13 °F (-25 °C)
Boiling point	422.6 °F (217 °C) (@ 760mmHg)



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Flash point	235.4 °F (113 °C);
Evaporation rate	< 0.0063 BuAc
Flammability	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor pressure	0.133 mbar @ 20°C
Vapor density	> 6.07
Specific gravity	1.01 @ 20°C
Relative density	Not available.
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	680 °F (360 °C)
Decomposition temperature	Not available.
VOC	< 1000 g/L
Viscosity	10 - 30 cP
Other information	VOC content (less water, less exempt compounds) = < 1000 g/L (U.S. requirement, not for emissions)

10. Chemical Stability & Reactivity Information

Chemical stability	Stable at normal conditions.
Conditions to avoid	Heat, flames and sparks.

11. Toxicological Information

Chronic toxicity	Repeated or prolonged exposure may cause irritation of eyes and skin.
Teratogenicity	None known.

12. Ecological Information

Ecotoxicity	Readily biodegradable. Bioaccumulation is unlikely.
Persistence and degradability	Not available.

13. Disposal Considerations

Disposal instructions	Do not allow this material to drain into sewers/water supplies. Dispose of in compliance with federal, state, and local regulations.
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14. Transport Information

IATA

Not regulated as dangerous goods.	
General	not regulated

15. Regulatory Information

US federal regulations	This product is listed on the U.S. EPA TSCA Inventory.
CERCLA (Superfund) reportable quantity	None



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Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
Section 302 extremely hazardous substance	No
Section 311 hazardous chemical	No

16. Other Information

HMIS® ratings	Health: 1 Flammability: 1 Physical hazard: 0 Personal protection: B
NFPA ratings	Health: 1 Flammability: 1 Instability: 0
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Manufacturer information	Hewlett-Packard 11311 K-Tel Drive Minnetonka, MN 55343 US Product Information 1-800-925-0563
Disclaimer	This Safety Data Sheet document is provided without charge to customers of Hewlett-Packard Company. Data is the most current known to Hewlett-Packard Company at the time of preparation of this document and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. This document was prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.
MSDS sections updated	9. Physical & Chemical Properties: Other information



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Explanation of abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CFR	Code of Federal Regulations
COC	Cleveland Open Cup
DOT	Department of Transportation
EPCRA	Emergency Planning and Community Right-to-Know Act (aka SARA)
IARC	International Agency for Research on Cancer
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation and Recovery Act
REC	Recommended
REL	Recommended Exposure Limit
SARA	Superfund Amendments and Reauthorization Act of 1986
STEL	Short-Term Exposure Limit
TCLP	Toxicity Characteristics Leaching Procedure
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
VOC	Volatile Organic Compounds