



# Material Safety Data Sheet

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Material name</b>	CH140A
<b>Company identification</b>	7 Goban-cho Chiyoda-ku Tokyo 102-0076 Japan Telephone (+81) 3 5463-6600
	Hewlett-Packard health effects line (Toll-free within the US) 1-800-457-4209 (Direct) 1-503-494-7199 HP Customer Care Line (Toll-free within the US) 1-800-474-6836 (Direct) 1-208-323-2551 Email: hpcustomer.inquiries@hp.com Poison Information Centre telephone number 0120-50-3024
<b>Synonym(s)</b>	ColorSpan 0901147-500

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Preparation	CAS number	% by weight	EU classification
2-(2-ethoxyethoxy)ethyl Acetate	112-15-2	60-100	Xi; R19, 36/37

## 3. HAZARDS IDENTIFICATION

<b>Classification (EU)</b>	Xi, R19, R36/37
<b>Health hazards</b>	Irritating to eyes and respiratory system.
<b>Environmental hazards</b>	Not classified as an environmental hazard.
<b>Physical hazards</b>	May form explosive peroxides.
<b>Acute health effects</b>	
<b>Skin contact</b>	Avoid contact with skin. Contact causes skin irritation.
<b>Inhalation</b>	Avoid breathing vapours or mists of this product.
<b>Ingestion</b>	Ingestion is not expected to be a primary route of exposure for this product under normal use conditions. Harmful if swallowed.
<b>Potential health effects</b>	
<b>Routes of exposure</b>	Potential routes of exposure under normal use conditions are skin, eye contact and inhalation.

## 4. FIRST AID MEASURES

<b>Inhalation</b>	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.
<b>Skin</b>	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.
<b>Eye</b>	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.
<b>Ingestion</b>	Rinse mouth out with water. Induce vomiting if person is conscious. Never give anything by mouth to an unconscious person. Get medical attention immediately.

## 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Dry chemical, CO2, sand, earth, water spray or regular foam.
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<b>Special protective equipment for fire-fighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Flash point and method</b>	113 °C (235.4 °F);
<b>Fire fighting equipment/instructions</b>	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.
<b>Hazardous combustion products</b>	Carbon monoxide and carbon dioxide.

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## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	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 vapour formation use a respirator with an approved filter.
<b>Environmental precautions</b>	Do not flush into surface water or sanitary sewer system.
<b>Methods for cleaning up</b>	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.

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## 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with skin, eyes and clothing. Avoid breathing vapours or mists of this product. Use with adequate ventilation. Wear personal protective equipment.
<b>Storage</b>	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.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Personal protective equipment</b>	
<b>Respiratory protection</b>	Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.
<b>Eye protection</b>	Wear safety glasses; chemical goggles (if splashing is possible). Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
<b>Skin and body protection</b>	Wear appropriate chemical resistant clothing. Wear appropriate chemical resistant gloves.
<b>Hygiene measures</b>	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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Not available.
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	clear
<b>Odor</b>	Characteristic.
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Boiling point</b>	217 °C (422.6 °F) (@ 760mmHg)
<b>Flash point</b>	113 °C (235.4 °F);
<b>Auto-ignition temperature</b>	360 °C (680 °F)
<b>Flammability limits in air, upper, % by volume</b>	Not available.



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Flammability limits in air, lower, % by volume	Not available.
Vapor pressure	0.133 mbar @ 20°C
Vapor density	> 6.07
Relative density	Not available.
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Melting point	Not available.
Freezing point	-25 °C (-13 °F)
Evaporation rate	< 0.0063 BuAc
Flammability	Not available.
Specific gravity	1.01 @ 20°C
VOC	< 1000 g/l
Viscosity	10 - 30 cP

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## 10. STABILITY AND REACTIVITY

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

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## 11. TOXICOLOGICAL INFORMATION

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

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## 12. ECOLOGICAL INFORMATION

Ecotoxicity	Readily biodegradable. Bioaccumulation is unlikely.
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## 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

### ADR

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

General	not regulated
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## 15. REGULATORY INFORMATION

Not available.

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## 16. OTHER INFORMATION

Manufacturer	Hewlett-Packard 11311 K-Tel Drive Minnetonka, MN 55343 US Product Information 1-800-925-0563
List of relevant R phrases	R19 May form explosive peroxides. R36/37 Irritating to eyes and respiratory system.



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**Disclaimer**

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**Explanation of abbreviations**

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