



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Material name	Ch136A
Product use	Inkjet printing.
Company identification	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: hpcustomerinquiries@hp.com Poison Information Centre telephone number 0120-50-3024
Synonym(s)	ColorSpan 0901147-002
Chemical family	Acrylate/Polymer/Pigment Blend
CAS #	Mixture

2. COMPOSITION/INFORMATION ON INGREDIENTS

Preparation	CAS number	% by weight	EU classification
Acrylic Acid, Monoalkyl, Alkylaryl Ester	3076-04-8	10-30	Xi, N; R36/37/38, 51/53
Multifunctional Acrylate	84170-74-1	10-30	Xi; R36/38
N-vinylcaprolactam	2235-00-9	10-30	Xn; R22, 36
Substituted Phosphine Oxide	75980-60-8	1-5	Xn; R52/53, 62
2-Benzoyl-2-Dimethylamino-4-Morpholinobutyrophenone	119313-12-1	0-1	N; R50/53

3. HAZARDS IDENTIFICATION

Classification (EU)	Xi, R36/38, R52/53
Health hazards	Irritating to eyes and skin.
Environmental hazards	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Physical hazards	Not classified as a physical hazard.
Acute health effects	
Skin contact	Avoid contact with skin. Contact causes skin irritation.
Eye contact	Irritating to eyes.
Inhalation	Avoid breathing vapours or mists of this product. Inhalation of vapours or mists of the product may be irritating to the respiratory system.
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.

4. FIRST AID MEASURES

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.
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Skin	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.
Eye	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.
Ingestion	Rinse mouth out with water. Give several glasses of water. If swallowed, do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Dry chemical, foam, carbon dioxide. Do not use water. Use water to cool fire-exposed containers and to protect personnel.
Extinguishing media which must not be used for safety reasons	Do not use a solid water stream as it may scatter and spread fire.
Specific methods	Use a water spray to cool fully closed containers.
Special protective equipment for fire-fighters	Firefighters should wear full protective clothing including self contained breathing apparatus.
Flash point and method	> 95 °C (> 203 °F) closed cup;
Fire fighting equipment/instructions	Move containers from fire area if you can do it without risk. Avoid runoff into storm sewers and ditches which lead to waterways.
Unusual fire & explosion hazards	Burning may produce thick, irritating smoke.
Hazardous combustion products	Carbon monoxide and carbon dioxide.

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 vapour 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.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and clothing. Avoid breathing vapours 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. Do not store near acids. Keep away from heat, sparks, and flame. Keep away from direct sunlight. Keep out of the reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment	
Respiratory protection	Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.
Eye 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 and body protection	Wear appropriate chemical resistant clothing. Wear appropriate chemical resistant gloves.



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Hygiene measures

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 AND CHEMICAL PROPERTIES

Appearance	Not available.
Physical state	Liquid.
Form	Liquid.
Color	Magenta
Odor	Characteristic.
Odour threshold	Not available.
pH	Not available.
Boiling point	> 100 °C (> 212 °F) (@ 760mmHg)
Flash point	> 95 °C (> 203 °F) closed cup;
Auto-ignition temperature	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor pressure	Not available.
Vapor density	> 1
Relative density	Not available.
Solubility (water)	< 0.1 g/g
Partition coefficient (n-octanol/water)	Not available.
Melting point	Not available.
Freezing point	Not available.
Evaporation rate	< 0.05 BuAc
Flammability	Not available.
Specific gravity	1.02 - 1.1
VOC	< 95 g/l
Viscosity	10 - 30 cP

10. STABILITY AND REACTIVITY

Stability	Stable at normal conditions.
Incompatibility	Strong acids, alkalies and oxidizing agents.
Conditions to avoid	Heat, flames and sparks. Exposure to sunlight.
Materials to avoid	Strong acids, alkalies and oxidizing agents.
Hazardous polymerization	Hazardous polymerisation may occur.

11. TOXICOLOGICAL INFORMATION

Chronic toxicity	Prolonged exposure causes local irritation of skin and mucous membranes, especially to the eyes.
Teratogenicity	None known.
Further information	Complete toxicity data are not available for this specific formulation.

12. ECOLOGICAL INFORMATION

Aquatic toxicity	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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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.

14. TRANSPORT INFORMATION

ADR

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

General not regulated

15. REGULATORY INFORMATION

Not available.

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 R36/38 Irritating to eyes and skin.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.

Issue date 02-28-2009



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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