



# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance/preparation	Ch136A
Use of the preparation	Inkjet printing.
Synonym(s)	ColorSpan 0901147-002
Chemical family	Acrylate/Polymer/Pigment Blend
CAS #	Mixture
Company identification	Hewlett-Packard Ltd. Liffey Park Technology Campus Barnhall Road, Leixlip, Co. Kildare Telephone 01 6150000
	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 01 837 9966

## 2. HAZARDS IDENTIFICATION

Classification	Xi, R36/38, R52/53
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.
Physical hazards	Not classified as a physical hazard.
Health hazards	Irritating to eyes and skin.
Environmental hazards	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component/substance	CAS number	% by weight	EU number	EU classification
Acrylic Acid, Monoalkyl, Alkylaryl Ester	3076-04-8	10-30	221-351-8	Xi, N, R36/37/38, 51/53
Multifunctional Acrylate	84170-74-1	10-30		Xi, R36/38
N-vinylcaprolactam	2235-00-9	10-30	218-787-6	Xi, Xn, R22, 36
Substituted Phosphine Oxide	75980-60-8	1-5	278-355-8	Xn, R52/53, 62
2-Benzoyl-2-Dimethylamino-4-Morpholinobut	119313-12-1	0-1	404-360-3	N, R50/53

## 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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<b>Skin contact</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 contact</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. Give several glasses of water. If swallowed, do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

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## 5. FIRE-FIGHTING MEASURES

<b>Flash point and method</b>	> 95 °C (> 203 °F) closed cup;
<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.
<b>Suitable extinguishing media</b>	Dry chemical, foam, carbon dioxide. Do not use water. Use water to cool fire-exposed containers and to protect personnel.
<b>Extinguishing media which must not be used for safety reasons</b>	Do not use a solid water stream as it may scatter and spread fire.
<b>Unusual fire &amp; explosion hazards</b>	Burning may produce thick, irritating smoke.
<b>Hazardous combustion products</b>	Carbon monoxide and carbon dioxide.
<b>Special protective equipment for fire-fighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Specific methods</b>	Use a water spray to cool fully closed containers.

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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.

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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. Do not store near acids. Keep away from heat, sparks, and flame. Keep away from direct sunlight. 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.



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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.

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## 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;
Flammability	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor pressure	Not available.
Relative density	Not available.
Solubility (water)	< 0.1 g/g
Partition coefficient (n-octanol/water)	Not available.
Viscosity	10 - 30 cP
Vapor density	> 1
Evaporation rate	< 0.05 BuAc
Melting point	Not available.
Freezing point	Not available.
Auto-ignition temperature	Not available.
Specific gravity	1.02 - 1.1
VOC	< 95 g/l

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## 10. STABILITY AND REACTIVITY

Stability	Stable at normal conditions.
Conditions to avoid	Heat, flames and sparks. Exposure to sunlight.
Materials to avoid	Strong acids, alkalies and oxidizing agents.
Hazardous decomposition products	Carbon monoxide and carbon dioxide.
Hazardous polymerization	Hazardous polymerisation may occur.

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## 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.



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## 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.

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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

### Labeling

#### Contains

2-Benzoyl-2-Dimethylamino-4-Morpholinobutyrophenone, Acrylic Acid, Monoalkyl, Alkylaryl Ester, Multifunctional Acrylate, N-vinylcaprolactam, Substituted Phosphine Oxide

#### Symbol(s)



Irritant

#### R-phrases(s)

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

#### S-phrases(s)

S24/25 Avoid contact with skin and eyes.  
S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.

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## 16. OTHER INFORMATION

### Manufacturer information

Hewlett-Packard  
11311 K-Tel Drive  
Minnetonka, MN 55343 US  
Product Information 1-800-925-0563

### List of relevant R phrases

R22 Harmful if swallowed.  
R36 Irritating to eyes.  
R36/37/38 Irritating to eyes, respiratory system and skin.  
R36/38 Irritating to eyes and skin.  
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R62 Possible risk of impaired fertility.



# SAFETY DATA SHEET

**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