



# SAFETY DATA SHEET

## 1. Product and company identification

<b>Important information</b>	*** This Safety Data Sheet is only authorised for use by HP for HP Original products. Any unauthorised use of this Safety Data Sheet is strictly prohibited and may result in legal action being taken by HP. ***	
<b>Name of the chemical</b>	CP829Series	
<b>Other means of identification</b>		
<b>Synonyms</b>	HP HDR250 Magenta Scitex Ink Cartridge	
<b>Recommended use of the chemical and restrictions on use</b>		
<b>Recommended use</b>	Inkjet printing	
<b>Recommended restrictions</b>	None known.	
<b>Company identification</b>	HP Taiwan Information Technology Ltd. 10F-2, No. 66 Jing Mao 2 Road P.C 11568 Taipei Taiwan	
<b>Telephone</b>	(02)3789-9900	
<b>HP Inc. health effects line</b>		
<b>(Toll-free within the US)</b>	1-800-457-4209	
<b>(Direct)</b>	1-760-710-0048	
<b>HP Inc. Customer Care Line</b>		
<b>(Toll-free within the US)</b>	1-800-474-6836	
<b>(Direct)</b>	1-208-323-2551	
<b>Email:</b>	hpcustomer.inquiries@hp.com	

## 2. Hazards identification

<b>Hazard classification</b>		
<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>		
	Acute toxicity, oral	Category 5
	Acute toxicity, dermal	Category 5
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Sensitization, skin	Category 1
	Reproductive toxicity (fertility, the unborn child)	Category 2
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation
	Specific target organ toxicity, repeated exposure	Category 1
<b>Environmental hazards</b>	Hazardous to the aquatic environment, long-term hazard	Category 2

### Label elements

#### Symbols



#### Signal word

Danger

#### Hazard statement

May be harmful if swallowed. May be harmful in contact with skin. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May cause respiratory irritation. Suspected of damaging fertility or the unborn child. Toxic to aquatic life with long lasting effects. Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure.

## Precautionary statement

### Prevention

Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Avoid release to the environment.

### Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned: Get medical attention/advice. Call a POISON CENTER/doctor/physician if you feel unwell. Collect spillage. Take off contaminated clothing and wash before reuse.

### Storage

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

### Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

### Other hazards

Potential routes of exposure to this product are skin and eye contact, ingestion, and inhalation.

### Supplemental information

None.

## 3. Composition/information on ingredients

### Mixture

Chemical name	CAS Number	Concentration (%)
2-Phenoxyethyl acrylate	48145-04-6	<30
1-vinylhexahydro-2H-azepin-2-one	2235-00-9	<20
Isobornyl acrylate	5888-33-5	<15
2-propenoic acid, reaction products with pentaerythritol	1245638-61-2	<5
2-Propenoic acid, reaction products with pentaerythritol and TDI	68412-43-1	<5
Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide	75980-60-8	<5
2-isopropyl-9H-thioxanthen-9-one	5495-84-1	<2.5
Butyl substituted ethyl acrylate	Proprietary	<2.5
Propoxylated glycerol triacrylate	52408-84-1	<1
Reaction mass of decyl acrylate and octyl acrylate	Not available	<15

## 4. First aid measures

### First aid measures for different exposure routes

#### Inhalation

Move to fresh air. If symptoms persist, get medical attention.

#### Skin contact

Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.

#### Eye contact

Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists get medical attention.

#### Ingestion

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Never give anything by mouth to an unconscious person.

### Most important symptoms and effects

Not available.

### Personal protection for first-aid responders

Not available.

### Notes to physician

Not available.

## 5. Fire-fighting measures

### Extinguishing media

Dry powder. Carbon dioxide (CO<sub>2</sub>). Water may be ineffective.

### Extinguishing media to avoid

Water may be ineffective. Do not use a solid water stream as it may scatter and spread fire.

### Specific hazards during fire fighting

None.

### Special fire fighting procedures

Avoid runoff into storm sewers and ditches which lead to waterways.

### Protection of fire-fighters

None.

## 6. Accidental release measures

### Personal precautions

Wear appropriate personal protective equipment. Do not touch or walk through spilled material.

### Environmental precautions

Do not let product enter drains. Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.

Spill cleanup methods Not available.

## 7. Handling and storage

**Handling** Avoid contact with skin, eyes and clothing.

**Storage** Keep away from excessive heat or cold. Do not store in direct sunlight. Do not handle or store near an open flame, heat or other sources of ignition. Opaque, high density polyethylene (HDPE) containers are recommended for shipping and storage.

## 8. Exposure controls/personal protection

### Exposure limits

No exposure limits noted for ingredient(s).

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Exposure guidelines** Exposure limits have not been established for this product.

**Appropriate engineering controls** Not available.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses; chemical goggles (if splashing is possible). Eye wash fountain and emergency showers are recommended.

#### Skin protection

**Hand protection** Recommended gloves: Nitrile 6 mil minimum thickness. Wear appropriate chemical resistant gloves.

**Other** Wear appropriate chemical resistant clothing.

**Respiratory protection** Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.

**Thermal hazards** Not available.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice. Do not get this material in your eyes, on your skin, or on your clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Launder contaminated clothing before reuse. Keep away from food and drink.

## 9. Physical and chemical properties

### Appearance

**Physical state** Liquid.

**Form** Liquid.

**Color** Magenta

**Odor** Characteristic.

**Odor threshold** Not available.

**Melting point/freezing point** Not available.

**pH** 6.8 - 7.2 Metler Toledo pH Meter. Temperature 25°C

**Boiling point, initial boiling point, and boiling range** Not available.

**Flammability (solid, gas)** Not available.

**Flash point** > 230.0 °F (> 110.0 °C) Closed Cup EPA Method 1020

**Decomposition temperature** Not available.

**Auto-ignition temperature** Not available.

### Upper/lower flammability or explosive limits

**Flammability limit - lower (%)** Not available.

**Flammability limit - upper (%)** Not available.

**Explosive limit - lower (%)** Not available.

**Explosive limit - upper (%)** Not available.

**Vapor pressure** Not available.

**Vapor density** Not available.

**Density** 0.93 g/cm<sup>3</sup>

### Solubility(ies)

**Solubility (water)** Not available.

**Partition coefficient (n-octanol/water)** Not available.

**Evaporation rate** Not available.

## Other data

Viscosity	12.5 - 13.5 cP Cone and Plate Rheometer, Temperature 50°C. C60/1° Sensor. Values recorded at 4000 1/s.
VOC	19 g/L Method 24/ASTM D5403-93

## 10. Stability and reactivity

Stability	Stable under normal storage conditions.
Possibility of hazardous reactions	Hazardous polymerization can occur with decreased inhibitor content.
Conditions to avoid	Exposure to sunlight.
Incompatible materials	Incompatible with strong bases and oxidizing agents. alkaline metals
Hazardous decomposition products	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

## 11. Toxicological information

### Information on likely routes of exposure

Inhalation	May cause irritation to the respiratory system.
Skin contact	Causes skin irritation. May cause sensitization by skin contact.
Eye contact	Causes serious eye irritation.
Ingestion	Ingestion is not a likely route of exposure.

Symptoms Not available.

### Information on toxicological effects

Acute toxicity May be harmful if swallowed. May be harmful in contact with skin.

Components	Species	Test Results
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1-vinylhexahydro-2H-azepin-2-one (CAS 2235-00-9)

#### Acute

##### Dermal

LD50	Rabbit	1700 mg/kg
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##### Inhalation

LC50	Rat	> 1.6 mg/l
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##### Oral

LD50	Rat	1114 mg/kg
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Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation Causes serious eye irritation. Caused moderate irritation in rabbit (OECD 405).

### Respiratory or skin sensitization

Respiratory sensitization Based on available data, the classification criteria are not met.

Skin sensitization May cause sensitization by skin contact.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Suspected of damaging the unborn child. Suspected of damaging fertility.

Specific target organ toxicity - single exposure May cause irritation to the respiratory system.

Specific target organ toxicity - repeated exposure Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure.

Aspiration hazard Based on available data, the classification criteria are not met.

Chronic effects Not available.

Other information Complete toxicity data are not available for this specific formulation

## 12. Ecological information

Aquatic toxicity Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. This product has not been tested for ecological effects.

**Ecotoxicity**

Components	Species	Test Results
2-Phenoxyethyl acrylate (CAS 48145-04-6)		
<i>Acute</i>		
	EC10	Desmodesmus subcapitatus 0.71 mg/l, 72 h (DIN 38412 L9)
	EC50	Desmodesmus subcapitatus 4.44 mg/l, 72 h (DIN 38412 L9)
	LC50	Leuciscus idus 10 mg/l, 96 h (DIN 38 412)
	NOEC	Desmodesmus subcapitatus 0.71 mg/l, 72 h (DIN 38412 L9)
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50	Daphnia magna 1.21 mg/l, 48 h (Directive CE 79/831/CEE, Annex V, Part C)
Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide (CAS 75980-60-8)		
<i>Acute</i>		
	EC10	Pseudokirchneriella subcapitata 1.56 mg/l, 72 h (OECD 201)
	EC50	Pseudokirchneriella subcapitata > 2.01 mg/l, 72 h (OECD 201)
	LC50	Cyprinus carpio 1.4 mg/l, 96 h (OECD 203)
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50	Daphnia magna 3.53 mg/l, 48 h (OECD 202)
<b>Persistence and degradability</b>	Not available.	
<b>Bioaccumulation</b>		
<b>Bioaccumulative potential</b>		
<b>Bioconcentration factor</b>		
Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide	72, (JIS K 0102-1986, 71 - Kanpogyo No .S, Yakuhatsu No . 615, 49-Kikyoku No . 392, MITI/MHW Chemical Substance Control Law, Japan)	
<b>Mobility in soil</b>	Not available.	
<b>Other hazardous effects</b>	Not available.	

**13. Disposal considerations**

<b>Disposal instructions</b>	Do not dispose of together with general office waste. Do not allow this material to drain into sewers/water supplies. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Ensure collection and disposal with an appropriately licensed waste contractor.
<b>Residual waste</b>	Not available.
<b>Contaminated packaging</b>	Not available.
<b>Local disposal regulations</b>	Not available.

**14. Transport information**

<b>DOT</b>	
<b>UN number</b>	UN3082
<b>UN proper shipping name</b>	Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates), MARINE POLLUTANT
<b>Transport hazard class(es)</b>	
<b>Class</b>	9
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	Yes
<b>Special precautions for user</b>	Not available.
<b>DOT Supplemental Information</b>	DOT Classification only applies to shipments within the US and Puerto Rico.
<b>IATA</b>	
<b>UN number</b>	UN3082
<b>UN proper shipping name</b>	Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates)
<b>Transport hazard class(es)</b>	
<b>Class</b>	9
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Environmental hazards</b>	Yes

**Special precautions for user** Not available.

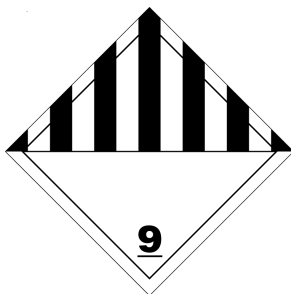
#### IMDG

**UN number** UN3082  
**UN proper shipping name** Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates), MARINE POLLUTANT  
**Transport hazard class(es)**  
**Class** 9  
**Subsidiary risk** -  
**Packing group** III  
**Transport hazard class(es)**  
**Marine pollutant** Yes  
**EmS** F-A, S-F  
**Special precautions for user** Not available.

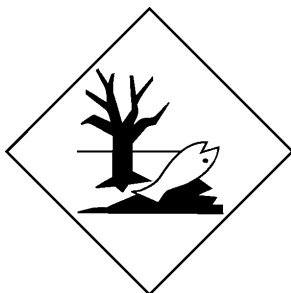
#### ADR

**UN number** UN3082  
**UN proper shipping name** Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates)  
**Transport hazard class(es)**  
**Class** 9  
**Subsidiary risk** -  
**Hazard No. (ADR)** Not available.  
**Tunnel restriction code** Not available.  
**Packing group** III  
**Environmental hazards** Yes  
**Special precautions for user** Not available.

#### ADR; DOT; IATA; IMDG



#### Marine pollutant



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## 15. Regulatory information

### Applicable regulations

#### Methods and Facilities Standards for the Storage, Clearance and Disposal of Industrial Waste

Not listed.

#### Priority Management Chemical List (Regulations on Handling Priority Managed Chemicals), as amended

Not listed.

#### Toxic Chemical Substances (TCS) List (EPA Toxic Substances Notice No. 0960095331E, Tables 1-3, Dec. 17, 2007, as amended)

Not listed.

#### GHS Classification List: GHS implementation phase 1, 2 and 3 (CLA No. 0980145063, 0990146707, and 1020146801)

Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide (CAS Proprietary)

#### Rules on Road Transportation Safety

Regulated.

### International regulations

All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

**Stockholm Convention**

Not applicable.

**Rotterdam Convention**

Not applicable.

**Montreal Protocol**

Not applicable.

**Kyoto protocol**

Not applicable.

**Basel Convention**

Not applicable.

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**16. Other information****References** Not available.**Issued by** HP Inc.**Prepared by**  
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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