



MATERIAL SAFETY DATA SHEET

1. Chemical product and company identification

Important information	*** 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. ***	
A. Product name	CP794Series	
Other means of identification		
Synonym(s)	HP FB225 Orange Scitex Ink	
B. Recommended use and Limitations on use		
Recommended use	Inkjet printing	
C. Supplier information		
	HP Inc. 07325 83 Uisadang-daero Youngdeungpo-gu Seoul, Korea	
Telephone	02-780-6200	
HP Inc. health effects line		
(Toll-free within the US)	1-800-457-4209	
(Direct)	1-760-710-0048	
HP Inc. Customer Care Line		
(Toll-free within the US)	1-800-474-6836	
(Direct)	1-208-323-2551	
Email:	hpcustomer.inquiries@hp.com	

2. Hazards identification

A. Hazard category/Classification

Physical hazards	Not classified.	
Health hazards	Skin corrosion/irritation	Category 2
	Sensitization, skin	Category 1
	Reproductive toxicity	Category 1B
	Specific target organ toxicity, repeated exposure	Category 1
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 1
	Hazardous to the aquatic environment, long-term hazard	Category 1

B. Warning label items including precautionary statement

• Pictogram



• Signal word

Danger

• Hazard statement

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H360FD	May damage fertility. May damage the unborn child.
H372	Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.

• Precautionary statement

Prevention

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P201	Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.
 P270 Do not eat, drink or smoke when using this product.
 P264 Wash hands thoroughly after handling.
 P273 Avoid release to the environment.

Response

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
 P308 + P313 IF exposed or concerned: Get medical attention/advice.
 P314 Get medical attention/advice if you feel unwell.
 P391 Collect spillage.
 P362 Take off contaminated clothing and wash before reuse.

Storage

P405 Store locked up.

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

C. Other hazards not included in the hazard category criteria (e.g. dust explosion hazard)

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

Supplemental information

None.

3. Composition/information on ingredients

Chemical identity	Common and alternative names	CAS number	ID number	Content in percent (%)
Acrylate ester 1		Proprietary	Proprietary	<30
Tetrahydrofurfuryl acrylate		2399-78-6	KE-29729	<20
Acrylate ester 3		Proprietary	Proprietary	<15
1-vinylhexahydro-2H-azepin-2-one		2235-00-9	KE-13281, 97-3-88	<10
2-phenoxyethyl acrylate		48145-04-6	KE-29624	<10
Isodecyl acrylate		1330-61-6	KE-29586	<10
Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide		75980-60-8	KE-12103	<5
2-Propenoic acid-1,6-hexanediylester, polymer with disubstituted alkane		67906-98-3		<2.5
Glycerol, propoxylated, esters with acrylic acid		52408-84-1	KE-29348	<1

4. First aid measures

A. In case of 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.

B. In case of skin contact Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.

C. In case of inhalation Move to fresh air. If symptoms persist, get medical attention.

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

E. Note to physician Not available.

5. Fire-fighting measures

A. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media Dry powder. Carbon dioxide (CO2). Water may be ineffective.

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

B. Specific hazards arising from the chemical (example: hazardous combustion products) Not available.

C. Specific methods of fire-fighting

Special fire fighting procedures Avoid runoff into storm sewers and ditches which lead to waterways.

6. Accidental release measures

A. Personal precautions, protective equipment and emergency measures Wear appropriate personal protective equipment. Do not touch or walk through spilled material.

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

C. Methods and materials for containment and cleaning up Not available.

7. Handling and storage

A. Precautions for safe handling Avoid contact with skin, eyes and clothing.

B. Conditions for safe storage (including any incompatibilities) 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

A. Exposure limit values, biological limit values, etc

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.

B. Appropriate engineering controls Not available.

C. 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). Eye wash fountain and emergency showers are recommended.

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

• **Body protection** Wear appropriate chemical resistant clothing.

Hygiene measures 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

A. Appearance

Physical state Liquid.

Form Liquid.

Color Orange.

B. Odor Characteristic.

C. Odor threshold Not available.

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

E. Melting point/freezing point Not available.

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

G. Flash point 240.8 °F (116.0 °C) Closed Cup EPA Method 1020

H. Evaporation rate Not available.

I. Flammability (solid, gas) Not available.

J. Upper/lower limit on flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

K. Vapor pressure Not available.

L. Solubility	
Solubility (water)	Not available.
M. Vapor density	Not available.
N. Specific gravity	Not available.
O. n-octanol/water partition coefficient	Not available.
P. Auto-ignition temperature	Not available.
Q. Decomposition temperature	Not available.
R. Viscosity	13 - 14 cP Brookfield Viscometer (\pm 0.5) Temperature 40°C. Spindle # 18 (S18) RPM 100. Wait approx 10 min to take the reading.
S. Molecular weight	Not available.
Other data	
VOC	22 g/L Method 24/ASTM D5403-93

10. Stability and reactivity

A. Stability and hazardous reaction potential

Stability	Stable under normal storage conditions.
Hazardous reaction potential	Hazardous polymerization can occur with decreased inhibitor content.

B. Conditions to avoid (e.g. static discharge, shock or vibration, etc) Exposure to sunlight.

C. Incompatible materials Incompatible with strong bases and oxidizing agents. alkaline metals

D. 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

A. Information on likely routes of exposure

- **Respiratory organs** Inhalation may result in mild irritation to the respiratory system.
- **Skin** Causes skin irritation. May cause sensitization by skin contact.
- **Eyes** Contact with eyes may result in mild irritation.
- **Mouth** Ingestion is not a likely route of exposure.

B. Information on health hazards

- **Acute toxicity (list all possible routes of exposure)** Based on available data, the classification criteria are not met.

Components	Species	Test Results
1-vinylhexahydro-2H-azepin-2-one (CAS 2235-00-9)		
Acute		
Dermal		
LD50	Rabbit	1700 mg/kg
Inhalation		
LC50	Rat	> 1.6 mg/l
Oral		
LD50	Rat	1114 mg/kg

- **Corrosivity or irritation to the skin** Causes skin irritation. Non-corrosive (OECD 431).
- **Serious eye damage/eye irritation** Based on available data, the classification criteria are not met. Not classified as an irritant according to, OECD 437.
- **Respiratory sensitization** Based on available data, the classification criteria are not met.
- **Skin sensitization** May cause sensitization by skin contact.
- **Carcinogenic properties /Carcinogenicity** Based on available data, the classification criteria are not met.
- **Mutagenic properties /Mutagenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** May damage fertility. May damage the unborn child.
- **Specific target organ toxicity - single exposure** Based on available data, the classification criteria are not met.

- **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.

12. Ecological information

A. 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)
Aquatic		
<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)
Aquatic		
<i>Acute</i>		
Crustacea	EC50 Daphnia magna	3.53 mg/l, 48 h (OECD 202)

Aquatic toxicity Very toxic to aquatic life with long lasting effects.

B. Persistence/degradability Not available.

C. Bioaccumulative potential

Bioconcentration factor

Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide 72, (JIS K 0102-1986, 71 - Kanpogyo No .S, Yakuhatu No . 615, 49-Kikyoku No . 392, MITI/MHW Chemical Substance Control Law, Japan)

D. Mobility in soil Not available.

E. Other adverse effects Not available.

13. Disposal considerations

A. Method of disposal 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. Disposal considerations (including disposal of contaminated containers or packaging) Not available.

14. Transport information

DOT

Not regulated as dangerous goods.

DOT Supplemental Information DOT Classification only applies to shipments within the US and Puerto Rico.

IATA

UN number UN3082
UN proper shipping name Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates)
Transport hazard class(es)
Class 9
Subsidiary risk -
Packing group III
Environmental hazards Yes
Special precautions for user Not available.

IATA Supplemental Information When shipping ≤ 5L inner packaging, Special Provision A197 may apply.

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.

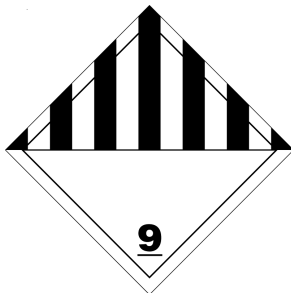
IMDG Supplemental Information When shipping ≤ 5L containers, IMDG 2.10.2.7 may apply.

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 Supplemental Information When shipping ≤ 5L containers, ADR 375 may apply.

ADR; IATA; IMDG



Marine pollutant



15. Regulatory information

A. Restrictions under the Industrial Safety and Health Law

Harmful Substances Prohibited from Manufacturing

Not regulated.

Harmful Substances Requiring Permission for Manufacture or Use

Not regulated.

Controlled Hazardous Substances

Not regulated.

Harmful Substances Requiring Special Medical Examination

Not regulated.

Workplace Environmental Monitoring Harmful Materials

Not regulated.

Occupational Exposure Limit

Not regulated.

B. Restrictions under the Chemicals Control Law (Previously Toxic Chemicals Control Law)

Accidental Release Prevention Substances

Not regulated.

Act on the Registration and Evaluation of Chemicals

Banned Toxic Chemicals

Not regulated.

Designated Existing Chemicals Subject to Registration (PEC) (MoE No. 2015-92)

Not listed.

Restricted Chemical Substances

Not regulated.

Toxic Chemicals

Not regulated.

C. Restrictions under the Dangerous Substance Safety Management Act

D. Restrictions under the Wastes Control Act

Halogenated Materials in Waste Organic Solvents

Not regulated.

Hazardous Substances

Not regulated.

E. Restrictions under other foreign or domestic laws

Clean Air Conservation Act

Air Pollutants

Not regulated.

Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides (Rules on PIC, MoE No. 2014-252, Dec. 31, 2014; Standards for Pesticides, RDA No. 2014-26), as amended

Not listed.

Specific Air Pollutants

Not regulated.

Regulatory information

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.

16. Other information

A. Source of information

Not available.

B. Issue date

16-Jul-2013

C. Number of revisions and date of most recent revision

16-Apr-2021 (22 revision)

D. Other

Not available.

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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