



SAFETY DATA SHEET

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

1.1. Product identifier

Trade name or designation of the mixture CP779B

Other means of identification

Synonyms HP HDR240 Yellow Scitex Ink

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Inkjet printing

Uses advised against None known.

Company identification

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2. HAZARDS IDENTIFICATION

2.1 GHS classification of substance or mixture, and national or regional information

Physical hazards Not classified.

Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 1
	Skin sensitization	Category 1
	Reproductive toxicity	Category 2
	Specific target organ toxicity - single exposure	Category 3 respiratory tract irritation
	Specific target organ toxicity - repeated exposure	Category 1
Environmental hazards	Hazardous to the aquatic environment, long-term aquatic hazard	Category 2

2.2 GHS label elements

Hazard symbol(s)



Signal word

Danger

Hazard statement(s)

H315	Causes skin irritation.
H318	Causes serious eye damage.
H317	May cause an allergic skin reaction.
H361f	Suspected of damaging fertility.
H335	May cause respiratory irritation.
H372	Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure
H411	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.
P271 - Use only outdoors or in a well-ventilated area.
P202 - Do not handle until all safety precautions have been read and understood.
P201 - Obtain special instructions before use.
P270 - Do not eat, drink or smoke when using this product.
P264 - Wash hands thoroughly after handling.
P273 - Avoid release to the environment.

Response

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor/physician.
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P308 + P313 - IF exposed or concerned: Get medical attention/advice.
P312 - Call a POISON CENTER/doctor/physician if you feel unwell.
P391 - Collect spillage.
P362 - Take off contaminated clothing and wash before reuse.

Storage

P405 - Store locked up.
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.

Precautionary statements

Disposal

P501

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

2.3. Other hazards

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

Diphenyl (2,4,6-trimethylbenzoyl) phosphineoxide - In animal testing, risk of impaired fertility was shown only after repeated ingestion of very high doses of this substance.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Components	CAS #	Percent
2-phenoxyethyl acrylate	48145-04-6	<30
Isobornyl acrylate	5888-33-5	<25
Vinyl Caprolactam	2235-00-9	<25
2-propenoic acid, reaction products with pentaerythritol	Proprietary	<5
Diphenyl (2,4,6-trimethylbenzoyl) phosphine	75980-60-8	<5
Reaction mass of Decyl acrylate and Octyl acrylate	Not available	<5
Urethane acrylate oligomer A	Proprietary	<5
Acrylated oligoamine resin	Proprietary	<2.5
Propoxylated glycerol triacrylate	52408-84-1	<1

4. FIRST AID MEASURES

4.1. Description of first aid measures

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.

4.2. Most important symptoms and effects, both acute and delayed

Not available.

4.3. Indication of any immediate medical attention and special treatment needed Not available.

General information Not available.

5. FIRE-FIGHTING MEASURES

5.1. 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.

5.2. Special hazards arising from the substance or mixture Not available.

5.3. Advice for firefighters

Special protective equipment for firefighters Not available.

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

General fire hazards Not available.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Wear appropriate personal protective equipment. Do not touch or walk through spilled material.

For emergency responders Not available.

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

6.3. Methods and material for containment and cleaning up Not available.

6.4. Reference to other sections Not available.

7. HANDLING AND STORAGE

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

7.2. 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.

7.3. Specific end use(s) Not available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits No exposure limits noted for ingredient(s).

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

Recommended monitoring procedures Not available.

Recommended monitoring procedures

Additional exposure data Exposure limits have not been established for this product.

Derived no-effect level (DNEL)

Components	Type	Route	Value	Form
2-phenoxyethyl acrylate (CAS 48145-04-6)	Industry	Dermal	1.5 mg/kg/day	
		Inhalation	10 mg/m ³	
	Workers	Dermal	1.5 mg/kg	Systemic long term
		Inhalation	77 mg/m ³	Local long term
Isobornyl acrylate (CAS 5888-33-5)	Workers	Inhalation	10 mg/m ³	Systemic long term
		Dermal	1.39 mg/kg bw/d	Systemic long term
Propoxylated glycerol triacrylate (CAS 52408-84-1)	Workers	Dermal	1.92 mg/kg	Systemic long term

Components	Type	Route	Value	Form
Vinyl Caprolactam (CAS 2235-00-9)	Workers	Inhalation	16.22 mg/m ³	Systemic long term
		Dermal	0.7 mg/kg	Systemic long term
		Inhalation	4.9 mg/m ³	Systemic long term
		Inhalation	0.17 mg/m ³	Local long term

Predicted no effect concentrations (PNECs)

Components	Type	Route	Value	Form
2-phenoxyethyl acrylate (CAS 48145-04-6)	Not applicable	Freshwater	0.002 mg/l	
		Intermittent	0.0121 mg/l	Releases
		Marine water	0.0002 mg/l	
		Sediment	0.02 mg/kg	Freshwater
		Sediment	0.002 mg/kg	Marine water
		Soil	0.006 mg/kg	
		STP	1.77 mg/l	Sewage Treatment Plant
Isobornyl acrylate (CAS 5888-33-5)	Not applicable	Freshwater	0.00092 mg/l	
		Intermittent	0.00704 mg/l	Releases
		Marine water	0.000092 mg/l	
		Sediment	0.145 mg/kg	Freshwater
		Sediment	0.0145 mg/kg	Marine water
		Soil	0.0285 mg/kg	
		STP	2 mg/l	Sewage Treatment Plant
Propoxylated glycerol triacrylate (CAS 52408-84-1)	Not applicable	Freshwater	0.00574 mg/l	
		Intermittent	0.0574 mg/l	Releases
		Marine water	0.01697 mg/kg	
		Sediment	0.001697 mg/kg	Marine water
		Soil	0.00111 mg/kg	
		STP	10 mg/l	Sewage Treatment Plant
Vinyl Caprolactam (CAS 2235-00-9)	Not applicable	Freshwater	0.1 mg/l	
		Intermittent	1 mg/l	Releases
		Marine water	0.01 mg/l	
		Sediment	0.829 mg/kg	Freshwater
		Sediment	0.0829 mg/kg	Marine water
		Soil	0.107 mg/kg	
		STP	262 mg/l	Sewage Treatment Plant

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

8.2. Exposure controls

Appropriate engineering controls Not available.

Individual protection measures, such as personal protective equipment

General information Not available.

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

Skin protection

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

Individual protection measures, for example personal protective equipment (PPE)

Skin protection

Individual protection measures, such as personal protective equipment

- Other Wear appropriate chemical resistant clothing.

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

Thermal hazards Not available.

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.

Environmental exposure controls Not available.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance

Physical state	Liquid.
Form	Liquid.
Color	Yellow

Odor Characteristic.

Odor threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling range Not available.

Flash point 233.6 °F (112.0 °C) Closed Cup EPA Method 1020

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure Not available.

Vapor density Not available.

Solubility(ies)

Solubility (water) Not available.

Solubility (other) Not available.

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

Auto-ignition temperature Not available.

Viscosity Not available.

Explosive properties Not available.

Oxidizing properties Not available.

9.2. Other information

VOC (Weight %) 20 g/L Method 24/ASTM D5403-93

10. STABILITY AND REACTIVITY

10.1 Reactivity Not available.

10.2. Chemical stability Stable under normal storage conditions.

10.3. Possibility of hazardous reactions Hazardous polymerization can occur with decreased inhibitor content.

10.4. Conditions to avoid Exposure to sunlight.

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

10.6. 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

General information Not available.

11.1. Information on toxicological effects

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

Components	Species	Test Results
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Propoxylated glycerol triacrylate (CAS 52408-84-1)

Acute

Dermal

LD50	Rabbit	> 2000 mg/kg
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Components	Species	Test Results
<i>Oral</i> LD50	Rat	> 2000 mg/kg
Skin corrosion/irritation	Causes skin irritation.	
Serious eye damage/eye irritation	Causes serious eye damage.	
Respiratory sensitization	Based on available data, the classification criteria are not met.	
Respiratory or skin sensitization		
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 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.	
Other information	Complete toxicity data are not available for this specific formulation	

12. ECOLOGICAL INFORMATION

12.1. Toxicity	No toxicity data noted for the ingredient(s).
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.
12.2. Persistence and degradability	Not available.
12.3. Bioaccumulative potential	Not available.
Bioconcentration factor (BCF)	Not available.
12.5. Results of PBT and vPvB assessment	Not a PBT or vPvB substance or mixture.
12.6. Other adverse effects	Not available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods	
Residual waste	Not available.
Contaminated packaging	Not available.
EU waste code	Not available.
Disposal methods/information	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.

14. TRANSPORT INFORMATION

DOT

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

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)

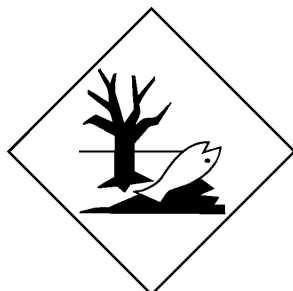
Class 9
Subsidiary risk -
Packing group III
Environmental hazards Yes
Special precautions for user Not available.

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
Environmental hazards
Marine pollutant Yes
EmS F-A, S-F
Special precautions for user Not available.

ADR

Proper shipping name Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates)
Hazard class 9
UN number 3082
Packing group III
Marine pollutant Yes

DOT; IATA; IMDG**ADR****Marine pollutant**

15. REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

15.2. Chemical safety assessment See attached SUMI or GEIS document, if applicable.

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.

16. OTHER INFORMATION

List of abbreviations Not available.

References Not available.

Information on evaluation method leading to the classification of mixture Not available.

Revision information

- 1. Product and Company Identification: Business Units
- 3. Composition / Information on Ingredients: Ingredients
- 9. Physical & Chemical Properties: Multiple Properties
- 14. Transport Information: Material Transportation Information
- 15. Regulatory Information: United States

GHS: Qualifiers

Manufacturer information

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Training information Not available.

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