



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 CH132Series

Other means of identification

Synonyms HP Scitex FB240 Yellow 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 2
Skin sensitization	Category 1
Reproductive toxicity	Category 2
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.
H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.
H361f	Suspected of damaging fertility.
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.
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

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists: Get medical advice/attention.
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.
P391 - Collect spillage.
P362 - Take off contaminated clothing and wash before reuse.

Storage

P405 - Store locked up.

Precautionary statements

Disposal

P501

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

2.3. Other hazards

Benzophenone is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans).

Contains Nickel. May cause cancer.

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

Proprietary initiator - In animal testing, risk of impaired fertility was shown only after repeated ingestion of very high doses of this substance.

Supplemental information

Contains Glycerolpropoxytriacylate. May produce an allergic reaction.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Components	CAS #	Percent
2-phenoxyethyl acrylate	48145-04-6	<40
1-vinylhexahydro-2H-azepin-2-one	2235-00-9	<25
Tridecyl acrylate	3076-04-8	<25
[2-(hydroxymethyl)-3-prop-2-enoyloxy-2-[[[3-prop-2-enoyloxy-2,2-bis(prop-2-enoyloxymethyl)propoxy]methyl]propyl] prop-2-enoate	60506-81-2	<10
Neopentylglycol propoxylate diacrylate	84170-74-1	<10
Poly (ethylene glycol) diacrylate	26570-48-9	<5
Proprietary initiator	Proprietary	<5
Benzophenone	119-61-9	<2.5
Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione Complexes	68511-62-6	<2.5
2-benzyl-2-dimethylamino-4-morpholinobutyrophenone	119313-12-1	<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-(hydroxymethyl)-3-prop-2-enoyloxy-2-[[3-prop-2-enoyloxy-2,2-bis(prop-2-enoyloxymethyl)propoxy]methyl]propyl] prop-2-enoate (CAS 60506-81-2)	Industry	Dermal	0.5 mg/kg/day	
		Inhalation	1.76 mg/m ³	
1-vinylhexahydro-2H-azepin-2-one (CAS 2235-00-9)	Workers	Dermal	0.7 mg/kg	Systemic long term
		Inhalation	4.9 mg/m ³	Systemic long term
2-benzyl-2-dimethylamino-4-morpholinobutyrophenone (CAS 119313-12-1)	Workers	Inhalation	0.17 mg/m ³	Local long term
		Dermal	5 mg/kg	Local short term
		Dermal	1 mg/kg	Local long term
		Dermal	0.23 mg/kg	systemic short term
		Dermal	0.17 mg/kg	Systemic long term
		Inhalation	5 mg/m ³	Local short term
		Inhalation	1.65 mg/m ³	systemic short term
		Inhalation	1 mg/m ³	Local long term
		Inhalation	0.17 mg/m ³	systemic long term
		2-phenoxyethyl acrylate (CAS 48145-04-6)	Industry	Dermal
Inhalation	10 mg/m ³			
Workers	Dermal		1.5 mg/kg	Systemic long term
	Inhalation		77 mg/m ³	Local long term
Benzophenone (CAS 119-61-9)	Workers	Inhalation	10 mg/m ³	Systemic long term
		Dermal	0.1 mg/kg	Systemic long term
Neopentylglycol propoxylate diacrylate (CAS 84170-74-1)	Workers	Inhalation	0.7 mg/m ³	Systemic long term
		Dermal	3.33 mg/kg	Systemic long term
		Inhalation	11.75 mg/m ³	Systemic long term

Predicted no effect concentrations (PNECs)

Components	Type	Route	Value	Form
1-vinylhexahydro-2H-azepin-2-one (CAS 2235-00-9)	Not applicable	Freshwater	0.1 mg/l	
		Intermittant	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
2-benzyl-2-dimethylamino-4-morpholinobutyrophenone (CAS 119313-12-1)	Not applicable	Freshwater	0.0005 mg/l	
		Intermittant	0.005 mg/l	Releases
		Marine water	0.00005 mg/l	
		Sediment	0.0005 mg/kg	Freshwater
		Sediment	0.00015 mg/kg	Marine water
		Soil	0.0026 mg/kg	
		STP	0.59 mg/l	Sewage Treatment Plant
2-phenoxyethyl acrylate (CAS 48145-04-6)	Not applicable	Freshwater	0.002 mg/l	
		Intermittant	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
Benzophenone (CAS 119-61-9)	Not applicable	Freshwater	0.02 mg/l	
		Intermittant	0.035 mg/l	Releases
		Marine water	0.002 mg/l	
		Sediment	1.1 mg/kg	Freshwater
		Sediment	0.11 mg/kg	Marine water

Components	Type	Route	Value	Form		
Neopentylglycol propoxylate diacrylate (CAS 84170-74-1)	Not applicable	Soil	0.31 mg/kg	Sewage Treatment Plant		
		STP	3.16 mg/l			
		Freshwater	0.0027 mg/l			
				Intermittant	0.027 mg/l	Releases
				Marine water	0.00027 mg/l	
				Sediment	0.188 mg/kg	Freshwater
				Sediment	0.018 mg/kg	Marine water
				Soil	0.036 mg/kg	
		STP	0.2 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	> 199.9 °F (> 93.3 °C) Closed Cup EPA Method 1020A
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	
Chemical family	Acrylate/Polymer/Pigment Blend
VOC (Weight %)	< 95 g/L Method 24/ASTM D5409-93

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
Benzophenone (CAS 119-61-9)		
Acute		
<i>Oral</i>		
LD50	Mouse	2895 mg/kg
<i>Other</i>		
LD50	Mouse	727 mg/kg
Skin corrosion/irritation	Causes skin irritation.	
Serious eye damage/eye irritation	Causes serious eye irritation.	
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. None known.	
Carcinogenicity	Based on available data, the classification criteria are not met.	
IARC Monographs: Evidence of carcinogenicity in humans		
Benzophenone (CAS 119-61-9)	No data.	
Reproductive toxicity	Suspected of damaging fertility.	
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.	
Other information	Complete toxicity data are not available for this specific formulation	

12. ECOLOGICAL INFORMATION

12.1. Toxicity

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.

Components	Species	Test Results
Benzophenone (CAS 119-61-9)		
Aquatic		
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>) 9.64 - 12.31 mg/l, 96 hours
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

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
Environmental hazards	
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

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

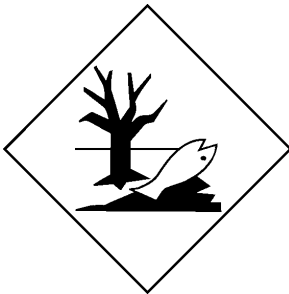
Marine pollutant
ADR supplemental
information
IATA; IMDG

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



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/NDL), 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 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

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Product Information 1-800-925-0563

Training information Not available.

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