



# SAFETY DATA SHEET

## 1. Identification of the dangerous substance/preparation and the identity of the manufacturer, importer, agent or marketer

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**Product name** CN831Series

**Other means of identification**  
**Synonym(s)** HP XP220 Cyan Scitex Ink

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## 2. Identification of the components of the substance/preparation

Substance or Preparation	Preparation		
Chemical name	Synonyms	CAS number	Percent
Acrylate ester 6		Proprietary	<30
Amine modified polyetheracrylate		Proprietary	<25
Acrylic acid, Monoalkyl Ester		Proprietary	<10
Aliphatic diacrylate		Proprietary	<10
Vinylcaprolactam		Proprietary	<10
Acrylate ester 2		Proprietary	<7.5
Amine synergist		Proprietary	<5
Substituted Phosphine Oxide		Proprietary	<5
Cyan pigment		Proprietary	<2.5
Dipropylene Glycol Diacrylate		Proprietary	<2.5
Propiophenone derivative		Proprietary	<2.5

## 3. Dangers of the dangerous substance/preparation


**Classification** Xn;R48/20, Xi;R36/37/38, R43, N;R50-51/53

**Physical hazards** Not classified as a physical hazard.

**Health hazards** May impair fertility. May cause harm to the unborn child. Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact. Also harmful: danger of serious damage to health by prolonged exposure through inhalation.

**Environmental hazards** Very toxic to aquatic organisms. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**GHS classification**  
**Physical hazards** Not classified.

<b>Health hazards</b>	Acute toxicity, oral	Category 5
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 1
	Sensitization, skin	Category 1
	Reproductive toxicity (fertility, the unborn child)	Category 1B
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation
	Specific target organ toxicity, repeated exposure	Category 1 (liver, respiratory system)
<b>Environmental hazards</b>	Hazardous to the aquatic environment, acute hazard	Category 1
	Hazardous to the aquatic environment, long-term hazard	Category 1
<b>GHS label elements</b>		
<b>Symbols</b>		
		
<b>Signal word</b>	Danger	
<b>Hazard statement</b>	May be harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. May damage fertility. May damage the unborn child. May cause respiratory irritation. Causes damage to organs (liver, respiratory) through prolonged or repeated exposure. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.	
<b>Precautionary statement</b>		
<b>Prevention</b>	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.	
<b>Response</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. IF exposed or concerned: Get medical attention/advice. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell. Collect spillage. Take off contaminated clothing and wash before reuse.	
<b>Storage</b>	Store locked up. Store in a well-ventilated place. Keep container tightly closed.	
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.	
<b>Other hazards</b>	Potential routes of exposure to this product are skin and eye contact, ingestion, and inhalation.	
<b>Supplemental information</b>	None.	

#### 4. First aid instructions

##### First aid measures for different exposure routes

<b>Inhalation</b>	Move to fresh air. If symptoms persist, get medical attention.
<b>Skin contact</b>	Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.
<b>Eye contact</b>	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>Ingestion</b>	If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.
<b>Main symptoms</b>	Not available.
<b>Personal protection for first-aid responders</b>	Not available.
<b>Notes to physician</b>	Not available.
<b>Special first aid equipment</b>	Not available.

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## 5. Firefighting procedure

### Extinguishing media

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

**Extinguishing media which must not be used for safety reasons** Water.

**Specific hazards during fire fighting** Not available.

**Special fire fighting procedures** Not available.

**Protection of fire-fighters** Avoid runoff into storm sewers and ditches which lead to waterways.

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## 6. Safety precautions

**Environmental precautions** Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

**Methods for cleaning up** Not available.

**Other information** Soak up with inert absorbent material. Slowly vacuum or sweep the material into a bag or other sealed container.

**Personal precautions** Wear appropriate personal protective equipment.

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## 7. Handling and storage

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

**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.

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## 8. Means of reducing exposure and personal protection

**Engineering measures to reduce exposure** Additional area ventilation or local exhaust may be required to maintain air concentrations below recommended exposure limits.

**Occupational 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.

### Personal protective equipment

**Respiratory protection** Not available.

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

**Eye protection** Not available.

**Skin and body protection** Not available.

**Hygiene measures** Not available.

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## 9. Physical and chemical properties

### Appearance

**Physical state** Not available.

**Form** Liquid.

**Color** Cyan

**Odor** Characteristic.

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

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

**Initial boiling point and boiling range** Not available.

**Decomposition temperature** Not available.

**Flash point** > 212.0 °F (> 100.0 °C) Closed Cup

**Flammability** Not available.

**Auto-ignition temperature** Not available.

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**Upper/lower flammability or explosive limits**

<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Oxidizing properties</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Density</b>	1.00 g/cm3
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Other information</b>	
<b>Viscosity</b>	13.5 - 14.5 cP Brookfield Viscometer (± 0.5) Temperature 45°C. Spindle # 18 (S18) RPM 100. Wait approx 10 min to take the reading.
<b>VOC</b>	< 95 g/L

**10. Stability and reactivity**

<b>Reactivity</b>	Not available.
<b>Chemical stability</b>	Stable under normal storage conditions.
<b>Conditions to avoid</b>	Exposure to sunlight.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization can occur with decreased inhibitor content.
<b>Incompatibility</b>	Incompatible with strong bases and oxidizing agents. alkaline metals
<b>Hazardous decomposition products</b>	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
<b>Materials to avoid</b>	Not available.

**11. Toxicological information**

**Information on likely routes of exposure**

<b>Inhalation</b>	May cause irritation to the respiratory system.
<b>Skin contact</b>	Causes skin irritation. May cause sensitization by skin contact.
<b>Eye contact</b>	Causes serious eye damage.
<b>Ingestion</b>	May be harmful if swallowed.

**Toxicological data** Not available.

**Acute toxicity** May be harmful if swallowed.

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
Vinylcaprolactam		
<u>Acute</u>		
<b>Dermal</b>		
LD50	Rabbit	1700 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 1.6 mg/l
<b>Oral</b>		
LD50	Rat	1114 mg/kg

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation** Causes serious eye damage.

**Respiratory or skin sensitization**

<b>Respiratory sensitization</b>	Based on available data, the classification criteria are not met.
<b>Skin sensitization</b>	Based on available data, the classification criteria are not met. May cause an allergic skin reaction.

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

<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	May damage fertility. May damage the unborn child.
<b>Specific target organ toxicity - single exposure</b>	May cause irritation to the respiratory system.
<b>Specific target organ toxicity - repeated exposure</b>	Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.
<b>Chronic effects</b>	Not available.
<b>Other information</b>	Complete toxicity data are not available for this specific formulation

## 12. Environmental information

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

### Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Components		Species	Test Results		
Acrylic acid, Monoalkyl Ester	<i>Acute</i>	ErC50	Pseudokirchneriella subcapitata	> 0.274 µg/l, 72 h (OECD 201)	
		LC50	Leuciscus idus	460 mg/l, 96 h (DIN 38 412, part L 15, 1982)	
		NOEC	Leuciscus idus	215 mg/l, 96 h (DIN 38 412, part L 15, 1982)	
	<i>Chronic</i>	LOEC	Daphnia magna	> 0.25 µg/l, 21 d (OECD 211)	
		<b>Aquatic</b>			
	<i>Chronic</i>	NOEC	Daphnia magna	0.25 µg/l, 21 d (OECD 211)	
		LOEC	Danio rerio	> 1 µg/l, 36 d (OECD 210)	
	Substituted Phosphine Oxide	<i>Acute</i>	EC50	Desmodesmus subspicatus	> 260 µg/l, 72 h (OECD 201)
			LC50	Danio rerio	> 90 µg/l, 96 h (OECD 203)
			NOEC	Desmodesmus subspicatus	> 260 µg/l, 72 h (OECD 201)
<i>Acute</i>		EC50	Daphnia magna	> 1175 µg/l, 48 h (OECD 202)	
		NOEC	Daphnia magna	>= 8.1 µg/l, 21 d (OECD 211)	
<b>Aquatic</b>					
<i>Chronic</i>		NOEC	Daphnia magna	>= 8.1 µg/l, 21 d (OECD 211)	

**Environmental effects** Not available.

### Persistence and degradability

**Mobility in soil** Not available.

**Other information** Not available.

## 13. Dangerous substance disposal methods

**Disposal instructions** 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.  
Dispose of in compliance with Israeli Ministry of the Environment and local regulations.

**Waste from residues / unused products** Not available.

**Contaminated packaging** Not available.

**Special precautions** Not available.

## 14. Transport information

### DOT

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

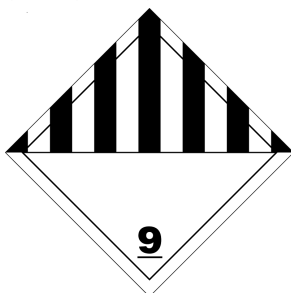
### IMDG

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

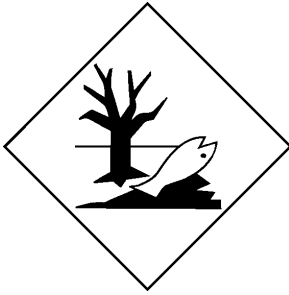
### ADR

**UN number** UN3082  
**UN proper shipping name** Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates, Propiophenone derivative)  
**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**

**Israel regulations**

**Israel. Harmful Chemicals (Hazardous Substances Law, 5753-1993, Annex 1, as amended)**

Not listed.

**Israel. Toxic Chemicals (Hazardous Substances Law, 5753-1993, Annex 2, as amended)**

Not listed.

**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.

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**16. Other information**

**Training information**

Follow training instructions when handling this material.

**Recommended use**

Not available.

**Recommended restrictions**

Not available.

**Further information**

Not available.

**Bibliography**

Not available.

**Disclaimer**

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**Revision information**

1. Product and Company Identification: EU Poison Center

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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