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 CN829Series

Other means of identification

Synonym(s) HP XP220 Magenta Scitex Ink

Company identification Hewlett-Packard (Israel) Ltd.
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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	<25
Amine modified polyetheracrylate		Proprietary	<20
Vinylcaprolactam		Proprietary	<20
Acrylic acid, Monoalkyl Ester		Proprietary	<15
Aliphatic diacrylate		Proprietary	<10
Acrylate ester 2		Proprietary	<7.5
Substituted Phosphine Oxide		Proprietary	<5
Amine synergist		Proprietary	<2.5
Dipropylene Glycol Diacrylate		Proprietary	<2.5
Propiophenone derivative		Proprietary	<2.5
Magenta pigment		Proprietary	<5

3. Dangers of the dangerous substance/preparation

Classification T;R48/23, Xi;R37/38-41, R43, N;R51/53

Physical hazards Not classified as a physical hazard.

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

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

GHS classification

Physical hazards Not classified.

Health hazards 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)
Environmental hazards	Hazardous to the aquatic environment, long-term hazard	Category 2

GHS label elements

Symbols

Signal word Danger

Hazard statement 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. Toxic to aquatic life with long lasting effects.

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. 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.

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

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.

4. First aid instructions

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.

Main symptoms Not available.

Personal protection for first-aid responders Not available.

Notes to physician Not available.

Special first aid equipment Not available.

5. Firefighting procedure

Extinguishing media

Suitable extinguishing media Dry powder. Carbon dioxide (CO2). 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.

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.

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.

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.

9. Physical and chemical properties

Appearance	
Physical state	Not available.
Form	Liquid.
Color	Magenta
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.
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.
Oxidizing properties	Not available.
Vapor pressure	Not available.
Density	1.00 g/cm3
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Other information	
Viscosity	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.
VOC	< 95 g/L

10. Stability and reactivity

Reactivity	Not available.
Chemical stability	Stable under normal storage conditions.
Conditions to avoid	Exposure to sunlight.
Possibility of hazardous reactions	Hazardous polymerization can occur with decreased inhibitor content.
Incompatibility	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.
Materials to avoid	Not available.

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 damage.
Ingestion	May be harmful if swallowed.
Toxicological data	Not available.
Acute toxicity	May be harmful if swallowed. Harmful in contact with skin.

Components	**Species**	**Test Results**
Vinylcaprolactam		
Acute		
Dermal		
LD50	Rabbit	1700 mg/kg
Inhalation		
LC50	Rat	> 1.6 mg/l
Oral		
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	
Respiratory sensitization	Based on available data, the classification criteria are not met.
Skin sensitization	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.
Carcinogenicity	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	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. Environmental information

Aquatic toxicity Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Ecotoxicity

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Components		Species	Test Results
Acrylic acid, Monoalkyl Ester			
Acute			
	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)
Chronic			
	LOEC	Daphina magna	> 0.25 µg/l, 21 d (OECD 211)
Aquatic			
Chronic			
Crustacea	NOEC	Daphnia magna	0.25 µg/l, 21 d (OECD 211)
Fish	LOEC	Danio rerio	> 1 µg/l, 36 d (OECD 210)
Substituted Phosphine Oxide			
Acute			
	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)
Aquatic			
Acute			
Crustacea	EC50	Daphnia magna	> 1175 µg/l, 48 h (OECD 202)
Chronic			
Crustacea	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.

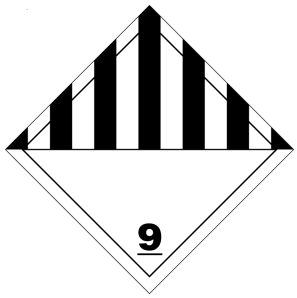
IMDG

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

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.

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.

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Revision information 1. Product and Company Identification: EU Poison Center

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