



SAFETY DATA SHEET

1. Identification of the chemical and information about the manufacturer or supplier

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1.1 Identification of the chemical products

1.1.1 Technical name CH830 Series

Other means of identification

Synonyms HP Scitex TJ210 Cyan Ink

1.1.2 Recommended use of the chemical and restrictions on use

Recommended use Inkjet printing

Limitations on use None known.

1.2 Manufacturer/Importer/Supplier/Distributor information

1.2.1 Manufacturer

ZAO Hewlett-Packard A.O.
Highway Leningradskoe, House 16A, Building 3,
125171, Moscow

Telephone 7 495 797-3500

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. Hazard(s) identification

2.1. Hazard identification of chemical product as a whole (classification according to GOST 12.1.007-76 and GHS)

Classification according to GOST 12.1.007-76 Not available.

GHS classification

Physical hazards	Flammable liquids	Category 4
Health hazards	Acute toxicity, oral	Category 5
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Sensitization, skin	
	Reproductive toxicity	Category 1B
	Specific target organ toxicity, repeated exposure	Category 1
Environmental hazards	Hazardous to the aquatic environment, long-term hazard	Category 2

2.2 Labeling elements in compliance with GOST 31340-2013

2.2.1 Signal word Danger



2.2.3 Hazard statement

H227 Combustible liquid.
H303 May be harmful if swallowed.

H315 Causes skin irritation.
H319 Causes serious eye 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.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statement

Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
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

P370 + P378 In case of fire: Use sand, carbon dioxide (CO2) or dry chemical to extinguish.
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.
P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P314 Get medical attention/advice if you feel unwell.
P391 Collect spillage.
P362 Take off contaminated clothing and wash before reuse.

Storage

P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Disposal

P501 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.

GHS Supplemental information None.

3. Composition/information on ingredients

3.1 Information on product as a whole

3.1.1 Chemical name (IUPAC) CH830 Series
3.1.2 Chemical formula (C3H6O)_n(C3H6O)_nC11H16O4 (84170-74-1), (C3H6O)_n(C3H6O)_nC11H16O4 (84170-74-1), C8H13NO (2235-00-9), C8H13NO (2235-00-9), C13-H24-O2 (1330-61-6), C13-H24-O2 (1330-61-6), C8H12O3 (2399-48-6), C8H12O3 (2399-48-6), C11H12O3 (48145-04-6), C11H12O3 (48145-04-6), C15H21NO2S (71868-10-5), C15H21NO2S (71868-10-5), C22H21O2P (75980-60-8), C22H21O2P (75980-60-8), C16H14OS (5495-84-1), C16H14OS (5495-84-1), (C3H6O)_n(C3H6O)_n(C3H6O)_nC12H14O6 (52408-84-1), (C3H6O)_n(C3H6O)_n(C3H6O)_nC12H14O6 (52408-84-1)
3.1.3 General description of the composition (taking into account the brand assortment; preparation method) Not applicable.

3.2 Components

Components	Concentration by weight (%)	Hygienic standards in the working area			CAS-No.	EC No.
		MAC, mg/m3	TSEL, mg/m3	Hazard classification		
Neopentylglycol, propoxylated esters with acrylic acid	<25				84170-74-1	-
1-vinylhexahydro-2H-azepin-2-one	<20				2235-00-9	218-787-6

Components	Hygienic standards in the working area		CAS-No.	EC No.
	Concentration by weight (%)	MAC, mg/m ³ TSEL, mg/m ³ Hazard classification		
Isodecyl acrylate	<15		1330-61-6	215-542-5
Tetrahydrofurfuryl acrylate	<15		2399-48-6	219-268-7
2-phenoxyethyl acrylate	<7.5		48145-04-6	256-360-6
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	<5		71868-10-5	400-600-6
Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide	<5		75980-60-8	278-355-8
2-isopropyl-9H-thioxanthen-9-one	<2.5		5495-84-1	226-827-9
Glycerol, propoxylated, esters with acrylic acid	<1		52408-84-1	500-114-5

4. First-aid measures

4.1. Observed symptoms

- 4.1.1 In case of exposure via inhalation** Inhalation may result in mild irritation to the respiratory system.
- 4.1.2 In contact with skin** Causes skin irritation. May cause sensitization by skin contact.
- 4.1.3 In contact with eyes** Causes serious eye irritation.
- 4.1.4 In case of exposure via ingestion** May be harmful if swallowed.

4.2 First-aid measures to be provided to victims

- 4.2.1 In case of exposure via inhalation** If dust from the material is inhaled, remove the affected person immediately to fresh air.
Move to fresh air in case of accidental inhalation of vapors or decomposition products. If breathing is difficult, give oxygen. Oxygen or artificial respiration if needed. Consult a physician for specific advice.
- 4.2.2 In contact with skin** Wash the skin immediately with soap and water. In case of contact with molten product, cool rapidly with water and seek immediate medical attention. Do not attempt to remove molten product from skin because skin will tear easily.
- 4.2.3 In contact with eyes** In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately.
- 4.2.4 In case of exposure via ingestion** If swallowed, do NOT induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person.
- 4.2.5 Contraindications** Not available.

General advice

Risk of skin burn caused by hot melt.
Do not leave the victim unattended.
Remove victim immediately from source of exposure.
Victim to lie down in the recovery position, cover and keep him warm.

5. Fire-fighting and explosion safety measures and means

- 5.1 General characteristics of fire-explosion properties** Not available.
- 5.2 Fire-explosion indicators** Not available.
- 5.3 Combustion and/or thermal destruction products and hazards arising from these** Not available.
- 5.4 Recommended extinguishing media** Dry powder. Carbon dioxide (CO₂). Water may be ineffective.
- 5.5 Forbidden extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.
- 5.6 Special protective equipment for firefighters** Avoid runoff into storm sewers and ditches which lead to waterways.
- 5.7 Specific extinguishing methods** Not available.
- Special fire fighting procedures** Avoid runoff into storm sewers and ditches which lead to waterways.

6. Accident and emergency prevention and response measures and their consequences

6.1 Measures to prevent harmful effects on people, environment, buildings, constructions, etc. in case of accidents and emergencies

6.1.1 General required actions in case of an accident or emergency Wear appropriate personal protective equipment. Do not touch or walk through spilled material.

6.1.2 Personal protection equipment in case of the accident Not available.

6.2 Procedures for the elimination of accidents and emergencies

6.2.1 Procedures in case of leaks, spills, splashes Soak up with inert absorbent material. Dispose of in compliance with federal, state, and local regulations.

6.2.2 Actions in case of fire Not available.

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

7. Storage and handling requirements of chemicals during loading and unloading

7.1 Safety precautions when handling chemical products

7.1.1 Technical safety measures Not available.

7.1.2 Environmental protection measures Not available.

7.1.3 Recommended safe handling and transportation advice Avoid contact with skin, eyes and clothing.

7.2 Chemical storage requirements

7.2.1 Terms and conditions for safe storage Not available.

7.2.2 Packaging Not available.

7.3 Safety measures and storage requirements at domestic use Do not handle or store near an open flame, heat or other sources of ignition. Keep away from excessive heat or cold. Do not store in direct sunlight.

8. Equipment for monitoring exposure and personal protective equipment

8.1 Parameters of the working area that require monitoring No exposure limits noted for ingredient(s).

8.2 Measures to ensure the content of harmful substances in the working area below the exposure level concentration Exposure limits have not been established for this product.

8.3 Worker personal protective equipment

8.3.1 General recommendations Not available.

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

8.3.3 Protective equipment

Eye/face 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.

Other Wear appropriate chemical resistant gloves.
Wear appropriate chemical resistant clothing.

Thermal hazards Not available.

8.3.4 Personal protection equipment in case of domestic use Not applicable.

General hygiene considerations 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

9.1 Physical appearance

Physical state	Liquid.
Form	Liquid.
Color	Cyan
Odor	Characteristic.
Odor threshold	Not available.
9.2 Parameters characterizing basic properties of the product	
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.
Flash point	224.6 °F (107.0 °C) Closed Cup EPA Method 1020
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapor pressure	Not available.
Viscosity	13.5 - 14.5 cP Brookfield Viscometer (± 0.5) Temperature 40°C. Spindle # 18 (S18) RPM 100. Wait approx 10 min to take the reading.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Other data	
VOC	3.93 g/L Method 24/ASTM D403-93

10. Stability and reactivity

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

11. Toxicological information

11.1 General exposure characteristics	Not available.
11.2 Routes of exposure	Not available.
11.3 Affected/target organs, tissues and systems of humans	
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.
11.4 Information on health hazards in case of direct exposure to the product and its effect	
Effect on upper respiratory tract irritation	Not available.
Respiratory or skin sensitization	
Hygiene Norm GN 2.2.5.1313-03. Executive No. 76 of 30 April 2003. Maximum allowable concentration (MAC) of harmful substances in the air of working zones, as amended.	
Not listed.	
Respiratory sensitization	Based on available data, the classification criteria are not met.
Skin sensitization	May cause sensitization by skin contact.
Skin corrosion/irritation	Causes skin irritation.

Serious eye damage/eye irritation Causes serious eye irritation.
Aspiration hazard Based on available data, the classification criteria are not met.

11.5 Information on long-term hazardous health effects

Carcinogenicity Based on available data, the classification criteria are not met.
Reproductive toxicity May damage fertility. May damage the unborn child.
Mutagenicity Based on available data, the classification criteria are not met.
Cumulativeness Not available.
Chronic effects Not available.

11.6 Acute toxicity data May be harmful if swallowed. May be harmful in contact with skin.

Further information Complete toxicity data are not available for this specific formulation

12. Environmental impact information

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.

12.1 General description of the impact on the environment Not available.

12.2 Routes of exposure to environment Not available.

12.3 The most important characteristics of the environmental impact

12.3.1 Hygienic standards Not available.

12.3.2 Ecotoxicity No ecotoxicity data noted for the ingredient(s)

12.3.3 Biomigration and transformation of the environment due to the biodegradation or other processes

Persistence and degradability Not available.

Bioaccumulative potential Not available.

Mobility in soil Not available.

Other adverse effects Not available.

13. Recommendations for waste (residues) disposal

13.1 Safety precautions when handling the waste generated during use, storage, transportation 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.

13.2 Information on the location and disposal methods, recycling or disposal of product waste, including packaging Not available.

13.3 Recommendation on the waste disposal generated during its domestic use 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.

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, Propiophenone derivative), 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, Propiophenone derivative)

Transport hazard class(es)

Class 9

Subsidiary risk -

Hazard No. (ADR) Not available.

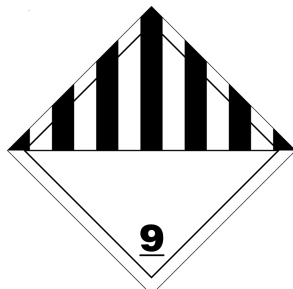
Tunnel restriction code Not available.

Packing group III

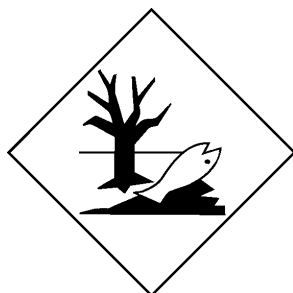
Environmental hazards Yes

Special precautions for user Not available.

ADR; DOT; IATA; IMDG



Marine pollutant



15. National and international regulatory information

15.1 National legislation

15.1.1 Laws of the Russian Federation Not available.

Federation

15.1.2 Information about the documentation, regulatory requirements for the protection of human health and environment

Sanitary-Epidemiological Rules, 1.2.2353-08, Chemical substances, mixtures and products which are carcinogenic factors, 21 April 2008

Not listed.

Hygiene Norm GN 2.2.5.1313-03. Executive No. 76 of 30 April 2003. Maximum allowable concentration (MAC) of harmful substances in the air of working zones, as amended.

Not listed.

15.2 International Conventions and Agreements 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.

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Montreal Protocol

Not applicable.

Kyoto protocol

Not applicable.

Basel Convention

Not applicable.

16. Other information

16.1 Information on revision of the SDS

Issue date 11-Sep-2013

Revision date 02-Mar-2020

Version # 09

Previous SDS number Not applicable.

Revision information This document has undergone significant changes and should be reviewed in its entirety.

16.2 List of references used in compiling the safety data sheet Not available.

Disclaimer

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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