



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Identification of the preparation CH788 Series

Synonym(s) HP Scitex TJ101 Light Magenta Ink

Product use Inkjet printing.

Version # 03

Revision date 31-Mar-2011

CAS # Mixture

Company identification Hewlett-Packard Company
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2. Hazards Identification

Emergency overview Harmful by inhalation and in contact with skin. Contact with skin and eyes may result in irritation. Inhalation may result in respiratory irritation.

Acute health effects

Skin contact Avoid contact with skin.
Harmful in contact with skin.
2-Butoxyethyl acetate
Contact with skin may result in irritation. Harmful if absorbed through the skin.

Eye contact Contact with eyes may cause irritation. Avoid contact with eyes. Contact with eyes may result in irritation.
2-Butoxyethyl acetate
Contact with eyes may result in irritation.
2-methoxy-1-methylethylacetate
Contact with eyes may result in irritation.

Inhalation Avoid breathing vapors or mists of this product.
Harmful if inhaled.
2-Butoxyethyl acetate
Inhalation may result in respiratory irritation.

Ingestion May be harmful if swallowed.
2-Butoxyethyl acetate
Swallowing large amounts may cause digestive discomfort. Harmful if swallowed.

Potential health effects

Routes of exposure Potential routes of exposure under normal use conditions are skin and eye contact; and inhalation

3. Composition / Information on Ingredients

Components	CAS #	Percent
2-Butoxyethyl acetate	112-07-2	70 - 80
Cyclohexanone	108-94-1	10 - 15

Vinyl chloride-vinyl acetate copolymer	Proprietary	5 - 7.5
2-methoxy-1-methylethylacetate	108-65-6	2.5 - 5
Pigment Red	Proprietary	0 - 1

4. First Aid Measures

First aid procedures

Eye contact	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.
Skin contact	In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water. Wash clothing separately before reuse. Get medical attention, if needed.
Inhalation	Move person to fresh air immediately. If symptoms persist, get immediate medical attention.
Ingestion	Rinse mouth out with water. If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

5. Fire Fighting Measures

Extinguishing media

Suitable extinguishing media Suitable extinguishing media: sand, carbon dioxide (CO₂), and dry chemical.

Protection of firefighters

Protective equipment and precautions for firefighters Move containers from fire area if you can do it without risk.
Avoid runoff into storm sewers and ditches which lead to waterways.

Special protective equipment for fire-fighters Firefighters should wear full protective clothing including self contained breathing apparatus.

6. Accidental Release Measures

Personal precautions	Avoid contact with skin. Avoid inhalation of vapors or mists. Do not touch or walk through spilled material. Ensure adequate ventilation. Remove all sources of ignition. Use personal protective equipment to minimize exposure to skin and eye. In the case of vapor formation use a respirator with an approved filter.
Environmental precautions	Do not flush into surface water or sanitary sewer system.
Methods for cleaning up	Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
Other information	Dispose of in compliance with federal, state, and local regulations.

7. Handling and Storage

Handling	Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Wear personal protective equipment.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks and flame.

8. Exposure Controls / Personal Protection

Occupational exposure limits

ACGIH

Components	Type	Value
2-Butoxyethyl acetate (112-07-2)	TWA	20.0000 ppm
Cyclohexanone (108-94-1)	STEL	50.0000 ppm
	TWA	20.0000 ppm

U.S. - OSHA**Components**

	Type	Value
Cyclohexanone (108-94-1)	PEL	200.0000 mg/m3
		50.0000 ppm
	TWA	100.0000 mg/m3
		25.0000 ppm

U.S. - Tennessee**Components**

	Type	Value
Cyclohexanone (108-94-1)	TWA	25.0000 ppm
		100.0000 mg/m3

U.S. - WEEL**Components**

	Type	Value
2-methoxy-1-methylethylacetate (108-65-6)	TWA	50.0000 ppm

Personal protective equipment

Eye / face protection	Wear safety glasses; chemical goggles (if splashing is possible). Eye wash fountain and emergency showers are recommended.
Skin protection	Wear appropriate chemical resistant clothing. Wear appropriate chemical resistant gloves.
Respiratory protection	Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.
General hygiene considerations	Do not get this material in contact with skin. Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Launder contaminated clothing before reuse.

9. Physical & Chemical Properties

Appearance	Not available.
Color	Not available.
Odor	Solvent.
Odor threshold	Not available.
Physical state	Liquid
Form	Liquid.
pH	Not available.
Melting point	Not available.
Freezing point	Not available.
Boiling point	Not available.
Flash point	149 °F (65 °C) Closed Cup
Evaporation rate	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity	Not available.
Relative density	Not available.
Solubility (water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
VOC	< 918 g/L

Other information VOC content (less water, less exempt compounds) = < 918 g/L (U.S. requirement, not for emissions)

10. Chemical Stability & Reactivity Information

Chemical stability Stable at normal conditions.
Conditions to avoid Heat, flames and sparks.
Possibility of hazardous reactions None known.

11. Toxicological Information

Carcinogenicity

ACGIH Carcinogens

2-Butoxyethyl acetate (CAS 112-07-2)	A3 Confirmed animal carcinogen with unknown relevance to humans.
Cyclohexanone (CAS 108-94-1)	A3 Confirmed animal carcinogen with unknown relevance to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Cyclohexanone (CAS 108-94-1)	3 Not classifiable as to carcinogenicity to humans.
Vinyl chloride-vinyl acetate copolymer (CAS Proprietary)	3 Not classifiable as to carcinogenicity to humans.

IARC Monographs: Evidence of carcinogenicity in humans

Cyclohexanone (CAS 108-94-1)	No data.
Vinyl chloride-vinyl acetate copolymer (CAS Proprietary)	No data.

Serious eye damage/eye irritation Not available.

Skin sensitization Not available.

Sensitization

US ACGIH Threshold Limit Values: Skin designation

Cyclohexanone (CAS 108-94-1)	Can be absorbed through the skin.
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Symptoms and target organs

Target Organs (NIOSH)

2-Butoxyethyl acetate (CAS 112-07-2)	Blood Central Nervous System Eyes Hemato system Kidneys Liver Lymphoid system Respiratory system Skin
Cyclohexanone (CAS 108-94-1)	Central Nervous System Eyes Kidneys Liver Respiratory system Skin

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

12. Ecological Information

Ecotoxicity No information available.
Aquatic toxicity No information available.
Persistence and degradability Not available.

13. Disposal Considerations

Waste codes

US RCRA Hazardous Waste U List: Reference

Cyclohexanone (CAS 108-94-1)	U057
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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.

14. Transport Information

DOT

Basic shipping requirements:

UN number NA1993
Proper shipping name Combustible liquid n.o.s. (2-methoxy-1-methylethyl acetate, cyclohexanone) -Not regulated in quantities less than 119 gallons
Hazard class Combustible
Packing group III
Additional information:
ERG number 128

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.

CERCLA (Superfund) reportable quantity

None

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No
Delayed Hazard - Yes
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

State regulations

US - Pennsylvania RTK - Hazardous Substances: Listed substance

Cyclohexanone (CAS 108-94-1) Listed.

Regulatory information Notified according to EU Regulations.

16. Other Information

Other information This MSDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).

HMIS® ratings Health: 2
Flammability: 2
Physical hazard: 1

NFPA ratings Health: 2
Flammability: 2
Instability: 1

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