



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 CN988 Series

Other means of identification

Synonyms HP Scitex TJ100 Flash Yellow 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

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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

Acute toxicity, dermal Category 4

Acute toxicity, inhalation Category 4

Serious eye damage/eye irritation Category 1

Environmental hazards Not classified.

2.2 Labeling elements in compliance with GOST 31340-2013

2.2.1 Signal word Danger

2.2.2 Symbols



2.2.3 Hazard statement

H227 Combustible liquid.
H332 Harmful if inhaled.
H318 Causes serious eye damage.
H312 Harmful in contact with skin.
H303 May be harmful if swallowed.

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.
 P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
 P271 Use only outdoors or in a well-ventilated area.

Response

P370 + P378 In case of fire: Use sand, carbon dioxide (CO2) or dry chemical to extinguish.
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor.
 P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P312 Call a poison center/doctor if you feel unwell.
 P362 + P364 Take off contaminated clothing and wash it before reuse.

Storage

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

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.

Supplemental information

None.

3. Composition/information on ingredients

3.1 Information on product as a whole

3.1.1 Chemical name (IUPAC) CN988 Series
3.1.2 Chemical formula Not available.
3.1.3 General description of the composition (taking into account the brand assortment; preparation method) Not available.

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		
2-Butoxyethyl acetate	<80	None.	None.		112-07-2	203-933-3
2-methoxy-1-methylethylacetate	<20	10 Vapor.	None.	4	108-65-6	203-603-9
Cyclohexanone	<5	30 Vapor.	10 Vapor.	3	108-94-1	203-631-1
Acrylic Polymer	<1	None.	None.		25608-33-7	-

4. First-aid measures

4.1. Observed symptoms

4.1.1 In case of exposure via inhalation Harmful if inhaled.
4.1.2 In contact with skin Harmful in contact with skin.
4.1.3 In contact with eyes Causes serious eye damage.
4.1.4 In case of exposure via ingestion Ingestion is not a likely route of exposure.

4.2 First-aid measures to be provided to victims

4.2.1 In case of exposure via inhalation Move person to fresh air immediately. If symptoms persist, get immediate medical attention.
4.2.2 In contact with skin 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.
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	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.
4.2.5 Contraindications	Not available.

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	Suitable extinguishing media: sand, carbon dioxide (CO ₂), and dry chemical.
5.5 Forbidden extinguishing media	Not available.
5.6 Special protective equipment for firefighters	Firefighters should wear full protective clothing including self contained breathing apparatus. Avoid runoff into storm sewers and ditches which lead to waterways.
5.7 Specific extinguishing methods	Not available.
Special fire fighting procedures	Move containers from fire area if you can do it without risk.

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	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.
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	Dispose of in compliance with federal, state, and local regulations.
6.2.2 Actions in case of fire	Not available.
Environmental precautions	Do not flush into surface water or sanitary sewer system.

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	Wear personal protective equipment.
7.1.2 Environmental protection measures	Not available.
7.1.3 Recommended safe handling and transportation advice	Use this product with adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists of this product.
Local and general ventilation	Use with adequate ventilation.
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	Keep away from heat, sparks and open flame. Keep containers tightly closed in a dry, cool and well-ventilated place.

8. Equipment for monitoring exposure and personal protective equipment

8.1 Parameters of the working area that require monitoring

Occupational exposure limits

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

Components	Type	Value	Form
2-methoxy-1-methylethylacetate (CAS 108-65-6)	Ceiling	10 mg/m ³	Vapor.
Cyclohexanone (CAS 108-94-1)	Ceiling	30 mg/m ³	Vapor.
	TWA	10 mg/m ³	Vapor.

8.2 Measures to ensure the content of harmful substances in the working area below the exposure level concentration Not available.

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 Recommended gloves: Nitrile 6 mil minimum thickness.

Other 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 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 and chemical properties

9.1 Physical appearance

Physical state Not available.

Form Liquid.

Color Yellow

Odor Solvent.

Odor threshold Not available.

9.2 Parameters characterizing basic properties of the product

pH 5.8 - 6.2 Metler Toledo pH Meter

Melting point/freezing point Not available.

Initial boiling point and boiling range Not available.

Flash point ≥ 149.0 °F (≥ 65.0 °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.

Density 1.00 g/cm³

Viscosity 13 - 14 cP Brookfield Viscometer T 22C Spindle #18 (S18) RPM 100

Solubility(ies)

Solubility (water) Not available.

Partition coefficient (n-octanol/water) Not available.

Other data

VOC < 878 g/L Calculated

10. Stability and reactivity

10.1 Chemical stability	Stable at normal conditions.
10.2 Reactivity	Not available.
10.3 Conditions to avoid	Heat, flames and sparks.
Possibility of hazardous reactions	None known.
Incompatible materials	Not available.

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	Based on available data, the classification criteria are not met.
Specific target organ toxicity - repeated exposure	Based on available data, the classification criteria are not met.

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	Not available.
Respiratory sensitization	Based on available data, the classification criteria are not met.
Skin sensitization	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation	Causes serious eye damage.
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.
IARC Monographs. Overall Evaluation of Carcinogenicity	
Cyclohexanone (CAS 108-94-1)	3 Not classifiable as to carcinogenicity to humans.
Reproductive toxicity	Based on available data, the classification criteria are not met.
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. Harmful if inhaled. Harmful in contact with skin.**Components Species Test Results**

Cyclohexanone (CAS 108-94-1)

Acute**Inhalation**

Vapor

LC50

Rat

> 6.2 mg/l, 4 Hours

Further information Complete toxicity data are not available for this specific formulation.**12. Environmental impact information**

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

Partition coefficient n-octanol / water (log Kow)

Cyclohexanone 0.81

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 NA1993
UN proper shipping name Combustible liquid n.o.s. (2-methoxy-1-methylethyl acetate) -Not regulated in quantities less than 119 gallons

Transport hazard class(es)

Class Combustible

Subsidiary risk -

Packing group III

Special precautions for user Not available.

DOT Supplemental Information DOT Classification only applies to shipments within the US and Puerto Rico.

IATA

UN number Not available.

UN proper shipping name Not Regulated

Transport hazard class(es)

Class Not available.

Subsidiary risk -

Packing group Not available.

Environmental hazards No

Special precautions for user Not available.

IMDG

UN number Not available.

UN proper shipping name Not Regulated

Transport hazard class(es)

Class Not available.

Subsidiary risk -

Packing group Not available.

Transport hazard class(es)

Marine pollutant No

EmS Not available.

Special precautions for user Not available.

ADR

UN number Not available.

UN proper shipping name Not Regulated

Transport hazard class(es)

Class Not available.

Subsidiary risk -

Hazard No. (ADR) Not available.

Tunnel restriction code Not available.

Packing group Not available.

Environmental hazards No

Special precautions for user Not available.

Further information Transport in bulk according to Annex II of MARPOL73/78 and the IBC code: Not applicable.

15. National and international regulatory information

15.1 National legislation

15.1.1 Laws of the Russian Federation Not available.

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.

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 13-Nov-2013

Revision date 06-Apr-2021

Version # 09

Previous SDS number Not applicable.

Revision information 3. Composition / Information on Ingredients: Disclosure Overrides

16.2 List of references used in compiling the safety data sheet

Not available.

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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