SAFETY DATA SHEET

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

Important information *** This Safety Data Sheet is only authorised for use by HP for HP Original products. Any unauthorised use of this Safety Data Sheet is strictly prohibited and may result in legal action being taken by HP. ***

1.1 Identification of the chemical products

1.1.1 Technical name CN945 Series

Other means of identification

Synonyms HP Scitex XL300 Supreme Light Black 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
	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

2.2.3 Hazard statement

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

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 (C02) 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

P235	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.

GHS Supplemental information None.

3. Composition/information on ingredients

3.1 Information on product as a whole

3.1.1 Chemical name (IUPAC) CN945 Series

3.1.2 Chemical formula C8-H16-O3 (112-07-2), C8-H16-O3 (112-07-2), C6H12O3 (108-65-6), C6H12O3 (108-65-6), C6-H10-O (108-94-1), C6-H10-O (108-94-1)

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 MAC, mg/m3	TSEL, mg/m3	Hazard classification	CAS-No.	EC No.
2-butoxyethyl acetate	<70				112-07-2	203-933-3
2-methoxy-1-methylethyl acetate	<15	10		4	108-65-6	203-603-9
Cyclohexanone	<10	30	10	3	108-94-1	203-631-1

Composition comments Carbon black is present only in a bound form in this preparation.

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	No exposure limits noted for ingredient(s).

Occupational exposure limits

Russian Federation. 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
Propylene glycol monomethyl ether acetate (CAS 108-65-6)	Ceiling	10 mg/m3	Vapor.
Cyclohexanone (CAS 108-94-1)	Ceiling	30 mg/m3	Vapor.
	TWA	10 mg/m3	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 Wear appropriate chemical resistant gloves.

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 Black.

Odor Solvent.

Odor threshold Not available.

9.2 Parameters characterizing basic properties of the product

pH 5.8 - 6.2 Metler Toledo pH Meter. Temperature 25°C

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.

Viscosity 9.8 - 11 cP Brookfield Viscometer (± 0.5) Temperature 22°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 < 916 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

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 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.

Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA. Carbon black is present only in a bound form in this preparation.

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.

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, cyclohexanone) -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

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

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.

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.

2-methoxy-1-methylethyl acetate (CAS Proprietary)	Slightly hazardous.
Cyclohexanone (CAS 108-94-1)	Midrange hazardous.

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	19-Nov-2013
Revision date	13-Dec-2019
Version #	06
Previous SDS number	Not applicable.
Revision information	Identification of the chemical and information about the manufacturer or supplier: Important information Hazard(s) identification: Other hazards Composition / Information on Ingredients: Ingredients Composition/information on ingredients: Composition comments Physical & Chemical Properties: Multiple Properties Toxicological information: Carcinogenicity HazReg Data: Europe - EU
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