



CHEMICAL PRODUCT SAFETY DATA SHEET

Prepared in accordance with GB/T 16483 and GB/T 17519.

Product name: W3T10B Series

Issue date: 13-Aug-2019
Revision date: 02-Sep-2023
Version #: 10

SECTION 1 Chemical product and company identification

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. ***	
Chinese name of chemical	W3T10B Series	
Synonyms	HP 2590	
Company identification	China HP Co., Ltd. No.8 Guang Shun Avenue South, Bldg 1, 5th floor; Lei Shing Hong center, ChaoYang District, P.C.100102 Beijing China (+86) 10 5870 4833 0532-83889090	
Telephone		
Chemical Emergency Advisory Service Hotline		
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:	sustainability@hp.com	
Recommended use and Limitations on use		
Recommended use	Inkjet printing	
Issue date	13-Aug-2019	
Revision date	02-Sep-2023	
Supersedes date	24-Aug-2023	

SECTION 2 Hazards identification

GHS hazard categories

Physical hazards	Flammable liquids	Category 2
Health hazards	Serious eye damage/eye irritation	Category 2A
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 1
	Hazardous to the aquatic environment, long-term hazard	Category 1

Label elements

Pictograms



Signal word

Danger

Hazard statement

H225	Highly flammable liquid and vapor.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary statement**Prevention**

P280	Wear protective gloves/protective clothing/eye protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P235	Keep cool.
P240	Ground/Bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P273	Avoid release to the environment.
P264	Wash hands thoroughly after handling.

Response

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.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P370 + P378	In case of fire: Use sand, carbon dioxide (CO ₂) or dry chemical to extinguish.
P391	Collect spillage.

Safety storage

None.

Disposal

P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
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Other hazards

Prolonged or repeated skin contact may cause drying, cracking, or irritation.

Supplemental information

None.

SECTION 3 Composition/information on ingredients

Substance/mixture	Mixture		
Chemical name	Concentration (%)	CAS Number	
乙醇 Ethyl alcohol	<90	64-17-5	
乙酸乙酯 Ethyl Acetate	<7.5	141-78-6	
C.I. 溶剂黑 29 C.I. Solvent black 29	<6	61901-87-9	

SECTION 4 First aid measures

Inhalation	Move person to fresh air immediately. If symptoms persist, get immediate medical attention.
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.
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.
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.
Most important symptoms and health effects	Not available.
Personal protection for first-aid responders	Not available.

SECTION 5 Fire-fighting measures

Extinguishing media	Suitable extinguishing media: sand, carbon dioxide (CO ₂) or dry chemical.
Extinguishing media to avoid	None.
Specific hazards	None.
Special fire fighting procedures	Move containers from fire area if you can do it without risk.

Protection of fire-fighters Firefighters should wear full protective clothing including self contained breathing apparatus. Avoid runoff into storm sewers and ditches which lead to waterways.

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel 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.

For emergency responders Not available.

Environmental precautions Do not flush into surface water or sanitary sewer system.

Clean-up methods and materials and containment measures Not available.

Prevention of secondary hazards Not available.

SECTION 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.

SECTION 8 Exposure controls/personal protection

Exposure limits

Occupational Exposure Limits for Hazardous Agents in the Workplace, Chemical Hazardous Agents (GBZ 2.1-2019)

Components	Type	Value
Ethyl Acetate (CAS 141-78-6)	PC-STEL	300 mg/m3
	PC-TWA	200 mg/m3

Biological limit values No biological exposure limits noted for the ingredient(s).

Monitoring methods Not available.

Engineering measures Not available.

Personal protective equipment

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

Hand protection Recommended gloves: Nitrile 6 mil minimum thickness.

Eye protection Wear safety glasses; chemical goggles (if splashing is possible).
Eye wash fountain and emergency showers are recommended.

Skin and body protection Wear appropriate chemical resistant clothing.

Hygiene measures 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.

SECTION 9 Physical and chemical properties

Appearance

Physical state Liquid.

Form Liquid.

Color Black.

Odor Solvent.

Odor threshold No information available, not practical to measure.

pH Not practical to measure.

Melting point/freezing point No information available for the mixture. Ingredient with the lowest melting point: -114 °C at 101.3 kPa (Ethyl alcohol, CAS 64-17-5).

Boiling point, initial boiling point, and boiling range No information available for the mixture. Ingredient with the lowest boiling point: 78 °C at 101.3 kPa (Ethyl alcohol, CAS 64-17-5).

Flash point 37.4 °F (3.0 °C)

Explosive limit - lower (%)	Not practical to measure. Ingredient with the lowest lower flammability/explosive limit: 2% (Ethyl Acetate, CAS 141-78-6).
Explosive limit - upper (%)	Not practical to measure. Ingredient with the lowest upper flammability/explosive limit: 11.5% (Ethyl Acetate, CAS 141-78-6).
Vapor pressure	Not practical to measure. Vapor pressure of the most volatile ingredient: 5.7 kPa at 21°C (Ethyl alcohol, CAS 64-17-5).
Relative vapor density	Not available.
Density	0.83 g/cm ³
Solubility(ies)	
Solubility (water)	Partially soluble in water.
Partition coefficient (n-octanol/water)	Not applicable to mixtures.
Auto-ignition temperature	Not available for the mixture. The auto-ignition temperature of the ingredient with the lowest value is 363 °C at 101.3 kPa (Ethyl alcohol, CAS 64-17-5).
Decomposition temperature	Not applicable, the mixture does not decompose.
Flammability (solid, gas)	Flammable liquid.
Other data	
Explosive properties	Not applicable.
Kinematic viscosity	Not available.
Oxidizing properties	Not applicable.
VOC	756 g/l US EPA Method 24

SECTION 10 Stability and reactivity

Stability	Stable at normal conditions.
Possibility of hazardous reactions	None known.
Conditions to avoid	Heat, flames and sparks.
Incompatible materials	None.
Hazardous decomposition products	None.

SECTION 11 Toxicological information

Acute toxicity	Based on available data, the classification criteria are not met.
Routes of exposure	Not available.
Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation	Causes serious eye irritation.
Respiratory or skin sensitization	
Respiratory sensitization	Based on available data, the classification criteria are not met.
Skin sensitizer	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Toxic to reproduction	Based on available data, the classification criteria are not met.
Specific target organ toxicity following single exposure	Based on available data, the classification criteria are not met.
Specific target organ toxicity following repeated exposure	Based on available data, the classification criteria are not met.
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 Refer to Section 2 for potential health effects and Section 4 for first aid measures.

SECTION 12 Ecological information

Aquatic toxicity	Very toxic to aquatic life with long lasting effects.
	Static acute toxicity (trout), survival (10 mg/L) = 0%.

Ecotoxicological data

Components	Species		Test Results
C.I. Solvent black 29 (CAS 61901-87-9)			
Aquatic			
Algae	EC50	Algae	> 0.42 mg/l (OECD 201)
	NOEC	Algae	> 0.42 mg/l (OECD 201)
Crustacea	EC50	Daphnia magna	1000 mg/l
Fish	LC50	Fish	2 mg/l
Ethyl alcohol (CAS 64-17-5)			
Aquatic			
Crustacea	EC50	Daphnia	9268, 48 Hours
Fish	LC50	Fish	12900, 96 Hours
Ecotoxicity	Not available.		
Persistence and degradability			
Biodegradability			
Percent degradation (Aerobic biodegradation-ready)			
C.I. Solvent black 29	3.5 %, Not readily biodegradable. Test Duration: 28 d		
Bioaccumulation			
Bioaccumulative potential			
Octanol/water partition coefficient log Kow			
C.I. Solvent black 29	4.94 - 4.97 (22°C, EU Method A.8)		
Ethyl Acetate	0.73		
Ethyl alcohol	-0.31		
Mobility in soil	Not available.		
Adsorption			
Soil/sediment sorption - log Koc			
C.I. Solvent black 29	> 9.46, (PCKOWIN)		
Other hazardous effects	Not available.		

SECTION 13 Disposal considerations

Residual waste	Not available.
Contaminated packaging	Not available.
Local disposal regulations	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.

SECTION 14 Transport information**DOT**

UN number	UN1210
UN proper shipping name	Printing ink
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	II
Environmental hazards	
Marine pollutant	No
Special precautions for user	Not assigned.

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

IATA

UN number	UN1210
UN proper shipping name	Printing ink
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	II
Environmental hazards	No.

Special precautions for user Not assigned

IMDG

UN number UN1210
UN proper shipping name Printing ink
Transport hazard class(es)
Class 3
Subsidiary risk -
Packing group II
Transport hazard class(es)
Marine pollutant No.
EmS Not assigned.
Special precautions for user Not assigned.

ADR

UN number UN1210
UN proper shipping name Printing ink
Transport hazard class(es)
Class 3
Subsidiary risk -
Hazard No. (ADR) Not assigned
Tunnel restriction code Not assigned
Packing group II
Environmental hazards No.
Soecial precautions for user Not assigned

ADR; IATA; IMDG**DOT****Further information**

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

Not a marine pollutant or environmental hazard when shipping ≤ 5L containers.

SECTION 15 Regulatory information**Law of the People's Republic of China on Prevention and Control of Occupational Diseases****Classification of occupational disease hazards**

Ethyl acetate (CAS 141-78-6)

Regulations on the Control over Safety of Dangerous Chemicals**Catalog of Hazardous Chemicals**

Ethanol, anhydrous (CAS 64-17-5)

Ethyl acetate (CAS 141-78-6)

List of Priority Management of Hazardous Chemicals

Ethyl Acetate (CAS 141-78-6)

Identification of Major Hazard Installations of Dangerous Chemicals (GB 18218-2018)

Chemical name	CAS number	Threshold quantity (Tons)
Ethyl Acetate	141-78-6	500
Ethyl alcohol	64-17-5	500

Regulatory information HP complies with chemical regulatory requirements in chemical substance notification laws, where applicable. All chemical substances are notified, or exempt from notification or listed in the inventory as existing substances in the following countries: US (TSCA), Canada (DSL/NDL), Japan (ISHL, ENCS), Philippines (PICCS), New Zealand (NZIoC) and China (IECSC). For guidance on importation and/or additional requirements for registration schemes such as EAEU, EU, South Korea, Turkey, UK, India and Taiwan, please contact the Sustainability and Compliance Center (sustainability@hp.com).

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Montreal Protocol

Not applicable.

Kyoto protocol

Not applicable.

Basel Convention

Not applicable.

SECTION 16 Other information**References**

Not available.

Disclaimer

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Explanation of abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
Acute Tox.	Acute toxicity
Aquatic Acute	Short-term (acute) aquatic hazard
Aquatic Chronic	Long-term (chronic) aquatic hazard
Asp. Tox.	Aspiration hazard
Carc.	Carcinogenicity
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)
Eye Dam.	Serious eye damage
Eye Irrit.	Eye Irritation
Flam. Liq.	Flammable liquids
Flam. Sol.	Flammable solids
Lact.	Effects on or via lactation
Muta.	Germ cell mutagenicity
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
Ox. Liq.	Oxidising liquids
Ozone	Hazardous to the ozone layer
PEL	Permissible Exposure Limit
Press. Gas	Gases under pressure
RCRA	Resource Conservation and Recovery Act
REC	Recommended
REL	Recommended Exposure Limit
Repr.	Reproductive toxicity
Resp. Sens.	Respiratory sensitization
SARA	Superfund Amendments and Reauthorization Act of 1986
Skin Corr.	Skin corrosion
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitization
STEL	Short-Term Exposure Limit
STOT RE	Specific target organ toxicity - repeated exposure
STOT SE	Specific target organ toxicity - single exposure
TCLP	Toxicity Characteristics Leaching Procedure
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act