



CHEMICAL PRODUCT SAFETY DATA SHEET

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

Product name: W3T10BSeries

Issue date: 13-Aug-2019

Revision date: 02-Sep-2023

Version #: 10

SECTION 1 Chemical product and company identification

Important information

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Chinese name of chemical

W3T10BSeries

Synonyms

HP 2590

Company identification

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1-760-710-0048

HP Inc. Customer Care

Line

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Recommended use and Limitations on use

Recommended use Inkjet printing

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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 (CO2) 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.

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

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 (CO2) 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.
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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

Components	Type	Value
Ethyl Acetate (CAS 141-78-6)	PC-STEL	300 mg/m ³
	PC-TWA	200 mg/m ³

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/cm3
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%.
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Ecotoxicological data

Components	Species	Test Results
C.I. Solvent black 29 (CAS 61901-87-9)		
Aquatic		
Algae	EC50	Algae
	NOEC	Algae
Crustacea	EC50	Daphnia magna
Fish	LC50	Fish
Ethyl alcohol (CAS 64-17-5)		
Aquatic		
Crustacea	EC50	Daphnia
Fish	LC50	Fish
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	<p>Do not dispose of together with general office waste.</p> <p>Do not allow this material to drain into sewers/water supplies.</p> <p>Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.</p> <p>Ensure collection and disposal with an appropriately licensed waste contractor.</p>

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/NDSL), 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.
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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