



SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name or designation of the mixture CD406 Series
Registration number -
Synonyms HP DS100 Specialty Textile Light Black Scitex Ink
Issue date 13-Aug-2016
Version number 01

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Inkjet printing
Uses advised against None known.

Company identification

HP Deutschland GmbH
Schickardstrasse 32, Geb. Businesspark, Boeblingen B01 (SUO07) - 1st Floor Eingang A
Boeblingen
Germany 71034

HP Inc. health effect line
(Toll-free within 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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 as amended

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: 1,4-diaminoanthraquinone, Ethylacetate, Ethylene Glycol, Monobutyl Ether Acetate

Hazard pictograms



Signal word

Warning

Hazard statements

H312 Harmful in contact with skin.
H317 May cause an allergic skin reaction.

Precautionary statements

Prevention

P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

Response

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.
P312 - Call a POISON CENTER/doctor/physician if you feel unwell.
P363 - Wash contaminated clothing before reuse.

Storage

Not available.

Disposal

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

Supplemental label information

None.

2.3. Other hazards

Potential routes of exposure to this product are skin and eye contact, ingestion, and inhalation.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Ethylene Glycol, Monobutyl Ether Acetate	<90	112-07-2 203-933-3	01-2119475112-47-XXXX	607-038-00-2	#
Classification:	Acute Tox. 4;H302, Acute Tox. 4;H312				
1,4-diaminoanthraquinone	<2.5	128-95-0 204-922-6	-	-	
Classification:	Skin Sens. 1;H317				
Ethylacetate	<2.5	141-78-6 205-500-4	-	607-022-00-5	
Classification:	Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336				

SECTION 4: First aid measures

General information Not available.

4.1. Description of first aid measures

Inhalation Move to fresh air. If symptoms persist, get medical attention.

Skin contact In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If irritation persists get medical attention. Remove and isolate contaminated clothing and shoes. Thoroughly wash (or discard) clothing and shoes before reuse.

Eye contact In case of contact, immediately flush eyes with large amounts of water, continuing to flush for 15 minutes. If irritation persists get medical attention.

Ingestion If swallowed, seek medical advice immediately and show this container or label.

4.2. Most important symptoms and effects, both acute and delayed Not available.

4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards Not available.

5.1. Extinguishing media

Suitable extinguishing media CO₂, water, dry chemical, or foam

Unsuitable extinguishing media Water may be ineffective. Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture Not available.

5.3. Advice for firefighters

Special protective equipment for firefighters Not available.

Special fire fighting procedures Firefighters should wear full protective clothing including self contained breathing apparatus.

Specific methods Water mist may be used to cool closed containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Not available.

For emergency responders	Not available.
6.2. Environmental precautions	Not available.
6.3. Methods and material for containment and cleaning up	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
6.4. Reference to other sections	Not available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling	Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Wear personal protective equipment.
7.2. Conditions for safe storage, including any incompatibilities	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks and flame.
7.3. Specific end use(s)	Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001

Components	Type	Value
Ethylacetate (CAS 141-78-6)	Ceiling	2100 mg/m ³
		600 ppm
	MAK	1050 mg/m ³
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)		300 ppm
	MAK	133 mg/m ³
	STEL	20 ppm
		270 mg/m ³
		40 ppm

Belgium. Exposure Limit Values.

Components	Type	Value
Ethylacetate (CAS 141-78-6)	TWA	1461 mg/m ³
		400 ppm
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL	333 mg/m ³
		50 ppm
	TWA	133 mg/m ³
		20 ppm

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Components	Type	Value
Ethylacetate (CAS 141-78-6)	TWA	800 mg/m ³
	STEL	333 mg/m ³
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)		50 ppm
	TWA	133 mg/m ³
		20 ppm

Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09

Components	Type	Value
Ethylacetate (CAS 141-78-6)	MAC	200 ppm
	STEL	400 ppm
	MAC	133 mg/m ³
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)		20 ppm

Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09

Components	Type	Value
	STEL	333 mg/m ³ 50 ppm

Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended.

Components	Type	Value
Ethylacetate (CAS 141-78-6)	TWA	1400 mg/m ³ 400 ppm

Czech Republic. OELs. Government Decree 361

Components	Type	Value
Ethylacetate (CAS 141-78-6)	Ceiling	900 mg/m ³
	TWA	700 mg/m ³
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	Ceiling	300 mg/m ³
	TWA	130 mg/m ³

Denmark. Exposure Limit Values

Components	Type	Value
Ethylacetate (CAS 141-78-6)	TLV	540 mg/m ³ 150 ppm
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	TLV	134 mg/m ³ 20 ppm

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

Components	Type	Value
Ethylacetate (CAS 141-78-6)	STEL	1100 mg/m ³ 300 ppm
	TWA	500 mg/m ³ 150 ppm
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL	333 mg/m ³
	TWA	50 ppm 133 mg/m ³ 20 ppm

Finland. Workplace Exposure Limits

Components	Type	Value
Ethylacetate (CAS 141-78-6)	STEL	1800 mg/m ³ 500 ppm
	TWA	1100 mg/m ³ 300 ppm
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL	330 mg/m ³
	TWA	50 ppm 130 mg/m ³ 20 ppm

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

Components	Type	Value
Ethylacetate (CAS 141-78-6)	VME	1400 mg/m ³ 400 ppm
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	VLE	333 mg/m ³
	VME	50 ppm 66.5 mg/m ³ 10 ppm

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Type	Value
Ethylacetate (CAS 141-78-6)	TWA	1500 mg/m ³ 400 ppm
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	TWA	66 mg/m ³ 10 ppm

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Components	Type	Value	Form
Ethylacetate (CAS 141-78-6)	AGW	1500 mg/m ³ 400 ppm	
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	AGW	130 mg/m ³ 20 ppm	Vapor and aerosol. Vapor and aerosol.

Hungary. OELs. Joint Decree on Chemical Safety of Workplaces

Components	Type	Value
Ethylacetate (CAS 141-78-6)	STEL TWA	1400 mg/m ³ 1400 mg/m ³
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL TWA	333 mg/m ³ 133 mg/m ³

Iceland. OELs. Regulation 154/1999 on occupational exposure limits

Components	Type	Value
Ethylacetate (CAS 141-78-6)	TWA	540 mg/m ³ 150 ppm
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL TWA	333 mg/m ³ 50 ppm 133 mg/m ³ 20 ppm

Ireland. Occupational Exposure Limits

Components	Type	Value
Ethylacetate (CAS 141-78-6)	STEL TWA	400 ppm 200 ppm
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL TWA	333 mg/m ³ 50 ppm 133 mg/m ³ 20 ppm

Italy. Occupational Exposure Limits

Components	Type	Value
Ethylacetate (CAS 141-78-6)	TWA	400 ppm
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL TWA	333 mg/m ³ 50 ppm 133 mg/m ³ 20 ppm

Latvia. OELs. Occupational exposure limit values of chemical substances in work environment

Components	Type	Value
Ethylacetate (CAS 141-78-6)	TWA	200 mg/m ³
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL	333 mg/m ³ 50 ppm

Latvia. OELs. Occupational exposure limit values of chemical substances in work environment

Components	Type	Value
	TWA	133 mg/m ³ 20 ppm

Lithuania. OELs. Limit Values for Chemical Substances, General Requirements

Components	Type	Value
Ethylacetate (CAS 141-78-6)	Ceiling	1100 mg/m ³ 300 ppm
	TWA	500 mg/m ³ 150 ppm
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL	140 mg/m ³
	TWA	20 ppm 70 mg/m ³ 10 ppm

Luxembourg. Binding Occupational exposure limit values (Annex I), Memorial A

Components	Type	Value
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL	333 mg/m ³
	TWA	50 ppm 133 mg/m ³ 20 ppm

Malta. OELs. Occupational Exposure Limit Values (L.N. 227. of Occupational Health and Safety Authority Act (CAP. 424), Schedules I and V)

Components	Type	Value
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL	333 mg/m ³
	TWA	50 ppm 133 mg/m ³ 20 ppm

Netherlands. OELs (binding)

Components	Type	Value
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL	333 mg/m ³
	TWA	135 mg/m ³

Norway. Administrative Norms for Contaminants in the Workplace

Components	Type	Value
Ethylacetate (CAS 141-78-6)	TLV	550 mg/m ³ 150 ppm
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	TLV	65 mg/m ³ 10 ppm

Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment

Components	Type	Value
Ethylacetate (CAS 141-78-6)	STEL	600 mg/m ³
	TWA	200 mg/m ³
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL	300 mg/m ³
	TWA	100 mg/m ³

Portugal. OELs. Decree-Law n. 290/2001 (Journal of the Republic - 1 Series A, n.266)

Components	Type	Value
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL	333 mg/m3
	TWA	50 ppm 133 mg/m3 20 ppm

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)

Components	Type	Value
Ethylacetate (CAS 141-78-6)	TWA	400 ppm
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	TWA	20 ppm

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace

Components	Type	Value
Ethylacetate (CAS 141-78-6)	STEL	500 mg/m3 139 ppm
	TWA	400 mg/m3 111 ppm
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL	333 mg/m3
	TWA	50 ppm 133 mg/m3 20 ppm

Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents

Components	Type	Value
Ethylacetate (CAS 141-78-6)	STEL	1100 mg/m3 300 ppm
	TWA	500 mg/m3 150 ppm
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL	333 mg/m3
	TWA	50 ppm 133 mg/m3 20 ppm

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Components	Type	Value
Ethylacetate (CAS 141-78-6)	TWA	1400 mg/m3 400 ppm
		133 mg/m3
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	TWA	20 ppm

Spain. Occupational Exposure Limits

Components	Type	Value
Ethylacetate (CAS 141-78-6)	TWA	1460 mg/m3 400 ppm
		333 mg/m3
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	TWA	50 ppm 133 mg/m3 20 ppm

Sweden. Occupational Exposure Limit Values

Components	Type	Value
Ethylacetate (CAS 141-78-6)	STEL	1100 mg/m3 300 ppm

Sweden. Occupational Exposure Limit Values Components

Components	Type	Value
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	TWA	500 mg/m3 150 ppm
	STEL	140 mg/m3
	TWA	20 ppm 70 mg/m3 10 ppm

Switzerland. SUVA Grenzwerte am Arbeitsplatz Components

Components	Type	Value
Ethylacetate (CAS 141-78-6)	STEL	2800 mg/m3 800 ppm
	TWA	1400 mg/m3 400 ppm
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL	132 mg/m3
	TWA	20 ppm 66 mg/m3 10 ppm

UK. EH40 Workplace Exposure Limits (WELs) Components

Components	Type	Value
Ethylacetate (CAS 141-78-6)	STEL	400 ppm
	TWA	200 ppm
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL	332 mg/m3
	TWA	50 ppm 133 mg/m3 20 ppm

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU Components

Components	Type	Value
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL	333 mg/m3
	TWA	50 ppm 133 mg/m3 20 ppm

Biological limit values

Czech Republic. Limit Values for Indicators of Biological Exposure Tests in Urine and Blood, Annex 2, Tables 1 and 2, Government Decree 432/2003 Sb.

Components	Value	Determinant	Specimen	Sampling Time
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	200 mg/g	Butoxyacetic acid (with hydrolysis)	Creatinine in urine	*
	0.17 mmol/mmol	Butoxyacetic acid (with hydrolysis)	Creatinine in urine	*

* - For sampling details, please see the source document.

Germany. TRGS 903, BAT List (Biological Limit Values)

Components	Value	Determinant	Specimen	Sampling Time
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	100 mg/l	Butoxyessigsäure	Urine	*

* - For sampling details, please see the source document.

Switzerland. BAT-Werte (Biological Limit Values in the Workplace as per SUVA)

Components	Value	Determinant	Specimen	Sampling Time
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Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	200 mg/l	Gesamt-Butoxyessigsäure	Urine	*
	100 mg/l	Butoxyessigsäure	Urine	*

* - For sampling details, please see the source document.

Recommended monitoring procedures Not available.

Derived no-effect level (DNEL)

Components	Type	Route	Value	Form
Ethylacetate (CAS 141-78-6)	Workers	Dermal	63 mg/kg	Systemic long term
		Inhalation	734 mg/m ³	Local long term
		Inhalation	734 mg/m ³	Systemic long term
		Inhalation	1468 mg/m ³	Local short term
		Inhalation	1468 mg/m ³	Systemic short term
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	Consumers	Dermal	72 mg/kg bw/d	Systemic acute short term
		Dermal	102 mg/kg bw/d	Systemic long term
		Inhalation	80 mg/m ³	Systemic long term
		Inhalation	200 mg/m ³	Local acute short term
		Oral	8.6 mg/kg bw/d	Systemic long term
	Workers	Oral	36 mg/kg bw/d	Systemic acute short term
		Dermal	169 mg/kg bw/d	Systemic long term
		Dermal	120 mg/kg bw/d	Systemic acute short term
		Inhalation	333 mg/m ³	Local acute short term
		Inhalation	133 mg/m ³	Systemic long term

Predicted no effect concentrations (PNECs)

Components	Type	Route	Value	Form
Ethylacetate (CAS 141-78-6)	Not applicable	Freshwater	0.24 mg/l	Releases
		Intermittant	1.65 mg/l	
		Marine water	0.024 mg/l	Freshwater Marine water Sewage Treatment Plant
		Sediment	1.15 mg/kg	
		Sediment	0.115 mg/kg	
		Soil	0.148 mg/kg	
		STP	650 mg/l	
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	Not applicable	Freshwater	0.304 mg/l	Releases
		Intermittant	0.56 mg/l	
		Marine water	0.0304 mg/l	Food poisoning Freshwater Marine water Sewage Treatment Plant
		Secondary	0.06 g/kg	
		Sediment	2.03 mg/kg	
		Sediment	0.203 mg/kg	
		Soil	0.42 mg/kg	
		STP	90 mg/l	

Exposure guidelines None established.

EU Exposure Limit Values: Skin designation

Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2) Can be absorbed through the skin.

8.2. Exposure controls**Appropriate engineering controls**

Use in a well ventilated area.
Ensure adequate ventilation, especially in confined areas. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Additional area ventilation or local exhaust may be required to maintain air concentrations below recommended exposure limits.

Individual protection measures, such as personal protective equipment**General information**

Not available.

Eye/face protection

Avoid contact with eyes
Wear safety glasses; chemical goggles (if splashing is possible).

Skin protection	
- Hand protection	Recommended gloves: Nitrile 6 mil minimum thickness.
- Other	Use personal protective equipment to minimize exposure to skin and eye.
Respiratory protection	Not available.
Thermal hazards	Not available.
Hygiene measures	Not available.
Environmental exposure controls	Not available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state	Not available.
Form	Not available.
Color	Black.
Odor	Not available.
Odor threshold	Not available.
pH	Not applicable.
Melting point/freezing point	Not determined.
Initial boiling point and boiling range	Not determined.
Flash point	> 145.0 °F (> 62.8 °C) (Closed Cup)
Evaporation rate	Not determined.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapor pressure	Not determined.
Vapor density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Solubility (other)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Explosive properties	Not available.
Oxidizing properties	Not available.
9.2. Other information	
Specific gravity	0.94 @ 20 Degrees C
VOC (Weight %)	< 850 g/L

SECTION 10: Stability and reactivity

10.1. Reactivity	Not available.
10.2. Chemical stability	Stable at normal conditions
10.3. Possibility of hazardous reactions	Will not occur.
10.4. Conditions to avoid	Not available.
10.5. Incompatible materials	strong oxidizing agents Strong acids and strong alkalis. oxidizing agents
10.6. Hazardous decomposition products	None known.

SECTION 11: Toxicological information

General information	Not available.
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11.1. Information on toxicological effects

Acute toxicity Harmful in contact with skin.

Product	Species	Test Results
CD406 Series		
Acute		
<i>Oral</i>		
LD50	Rat	2400 mg/kg

Components	Species	Test Results
Ethylacetate (CAS 141-78-6)		
Acute		
<i>Inhalation</i>		
LC50	Rat	16000 ppm, 6 Hours
LD50	Mouse	1500 ppm, 4 Hours
	Rabbit	2500 ppm, 4 Hours
	Rat	4000 ppm, 4 Hours
<i>Oral</i>		
LD50	Mouse	0.44 g/kg
	Rabbit	4.9 g/kg
	Rat	11.3 ml/kg
		5.6 g/kg
<i>Other</i>		
LD50	Cat	3 g/kg
	Guinea pig	3 g/kg

Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)

Acute		
<i>Dermal</i>		
LD50	Rabbit	1500 mg/kg
<i>Oral</i>		
LD50	Rat	2400 mg/kg
<i>Other</i>		
LD50	Mouse	754 mg/kg

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Respiratory sensitization Based on available data, the classification criteria are not met.

Skin sensitization May cause sensitization by skin contact.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

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.

Aspiration hazard Based on available data, the classification criteria are not met.

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

SECTION 12: Ecological information

12.1. Toxicity

Components	Species	Test Results
Ethylacetate (CAS 141-78-6)		
Aquatic		
Fish	LC50 Indian catfish (<i>Heteropneustes fossilis</i>)	200.32 - 225.42 mg/l, 96 hours

12.2. Persistence and degradability	Not available.
12.3. Bioaccumulative potential	Not available.
Partition coefficient n-octanol/water (log Kow)	
Ethylacetate	0.73
Bioconcentration factor (BCF)	Not available.
12.4. Mobility in soil	Not available.
12.5. Results of PBT and vPvB assessment	Not a PBT or vPvB substance or mixture.
12.6. Other adverse effects	Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste	Not available.
Contaminated packaging	Not available.
EU waste code	Not available.
Disposal methods/information	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	NA1993
UN proper shipping name	Combustible liquid n.o.s. (butyl cellosolve acetate) -Not regulated in quantities less than 119 gallons
Transport hazard class(es)	
Class	Combustible
Subsidiary risk	-
Packaging group	III
Special precautions for user	Not available.
IATA	
Not regulated as dangerous goods.	
IMDG	
Not regulated as dangerous goods.	
ADR	
Not regulated as dangerous goods.	

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I

Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA

Not listed.

Authorizations

Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorization

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work

Not regulated.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding

Not regulated.

Other EU regulations

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances

Not regulated.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Ethylacetate (CAS 141-78-6)

Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)

Directive 94/33/EC on the protection of young people at work

Not regulated.

National regulations

Not available.

15.2. Chemical safety assessment

See attached SUMI or GEIS document, if applicable.

SECTION 16: Other information

References

Not available.

Information on evaluation method leading to the classification of mixture

Not available.

Issue date

13-Aug-2016

Revision information

1. Product and Company Identification: Synonyms
3. Composition / Information on Ingredients: Ingredients
Exposure Controls / Personal Protection: OELs
9. Physical & Chemical Properties: Multiple Properties
14. Transport Information: Material Transportation Information
15. Regulatory Information: United States
HazReg Data: Pacific Rim

Training information

Not available.

Disclaimer

This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP at the time of preparation of this document and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. This document was prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.

Manufacturer information

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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

List of abbreviations Not available.

Safe Use of Mixture Information (SUMI)

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Solvent based inks: SB01 *English*

Disclaimer

This SUMI is a generic document for communicating conditions of safe use of a product in response to the REACH obligation. This document relates only to conditions of safe use and is not specific to a product. By adding this SUMI to a specific product SDS, the importer/formulator declares that the mixture can safely be used following the instructions below. Following occupational health legislation, the employer of workers remains responsible for communicating relevant use information to employees. When developing workplace instructions for employees, SUMI Sheets should always be considered in combination with the SDS and the label of the product. Derived No Effect Levels (DNEL) and Predicted No Effect Concentration (PNEC) values of substances derived from the Chemical Safety Assessment (CSA) will be given in section 8 of the SDS.

The REACH registration number(s), where applicable, completes an extended product SDS.

Operational conditions

Maximum duration Up to 8 hours per day

Frequency of exposure < 240 days per year

Process conditions

- Covers use at ambient temperatures.
- Use of an integrated local exhaust ventilation is required in drying zone.
- Adequate ventilation should be provide for the areas where printing is performed. ANSI/ASHRAE Standard 62.1-2013 provides guidelines to ensure acceptable air quality in the workspace.
- Use explosion proof electrical equipment.
- Keep emissions below the occupational exposure limits of the ingredients specified in section 8 of the SDS.
- Avoid direct contact.
- Regular cleaning of equipment and work area.
- Supervision in place to check that Risk Management Measures are in place are being correctly used and Operational Conditions followed.

Risk management measures

Conditions and measures related to Personal Protection Equipment, hygiene and health evaluation

- Wear safety glasses with side shields (or goggles), if splashing is possible.
- Wear appropriate chemical resistant gloves: see section 8 of the SDS.
- Wear appropriate chemical resistant clothing.
- In case of inadequate ventilation wear respiratory protection.
- Eye wash fountain and emergency showers are recommended.
- Avoid breathing mist/vapours.
- Avoid contact with skin, eyes and clothing.
- Training of workers in relation to proper use and maintenance of all Personal protection equipment (PPE) must be ensured.



Good practice advice

- Use personal protective equipment as required.
- Wash hands before breaks and after work.
- Keep good industrial hygiene and safety practice.
- Use only with adequate ventilation.
- Do no eat, drink or smoke when using this product.
- Wash contaminated clothing before reuse.
- Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
- Store in a well-ventilated place.
- Keep container tightly closed.
- Store at room temperature.



Environmental measures

- 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 appropriately licenced waste contractor.

Use descriptors

IS-Use at industrial sites

PW-Widespread use by professional workers

SU7-Printing and reproduction media

PC18-Inks and Toners

PROC1-Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.

PROC2-Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

PROC3- Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition

PROC8a-Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

PROC8b-Transfer of substance or mixture (charging and discharging) at dedicated facilities

ERC5-Use at industrial site leading to inclusion into/onto article

ERC8c-Widespread use leading to inclusion into/onto article (indoor)

Additional information on product composition

In section 2 of the SDS as well as on the label, the classification of the mixture is provided.

The classification of the mixture is based on the individual ingredients and their concentration within the mixture.

All ingredients contributing to the classification are stated in Section 3 of the SDS.

Relevant limit values of ingredients on which the exposure assessment is based, are listed in section 8 of the SDS.

The product may contain sensitizing ingredients that may cause allergic reaction to certain people.

Section 2 of the SDS states these ingredients where applicable.