

SAFETY DATA SHEET

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

Important information	*** This Safety Data Sheet is only authorised for use by HP unauthorised use of this Safety Data Sheet is strictly prohibi being taken by HP. ***	
1.1. Product identifier		
Trade name or designation of the mixture	3YL83Series	
Registration number	-	
Synonyms	None.	
Issue date	13-Mar-2019	
Version number	11	
Revision date	19-Apr-2021	
Supersedes date	11-Feb-2021	
•	the substance or mixture and uses advised against	
Identified uses	Inkjet printing	
Uses advised against	None known.	
1.3. Details of the supplier of th		
1.5. Details of the supplier of th	2	
	HP Inc UK Ltd, Regulatory Enquiries, Earley West	
Talaahaaa	300 Thames Valley Park Drive, Reading, RG6 1PT +44 20 7660 0596 (Consumer)	
Telephone	+44 20 7660 0403 (Commercial)	
	+44 20 7000 0403 (Commercial)	
HP Inc. health effects line		
	1-800-457-4209	
(Toll-free within the US)		
(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	
1.4 Emergency telephone	0207771 5307	
number		
SECTION 2: Hazards ide	ntification	
2.1. Classification of the substa	ance or mixture	
Classification according to Red	gulation (EC) No 1272/2008 as amended	
0		
Health hazards Skin sensitization	Category 1	H317 - May cause an allergic skin
		reaction.
2.2. Label elements		
	(EC) No. 1272/2008 as amended	
Contains:	1,2-Benzisothiazolin-3-one, 2-methyl-2h-isothiazol-3-one,	
Contains.	Ethoxylated-2,4,7,9-tetramethyl-5-decyn-4,7-diol	
Hazard pictograms	$\mathbf{\dot{\wedge}}$	
	$\mathbf{\vee}$	
Signal word	Warning	
Hazard statements		
H317	May cause an allergic skin reaction.	
Precautionary statements		
Prevention		

P280 P261 P272	Wear protective gloves/protective clothing/eye protection. Avoid breathing mist/vapor. Contaminated work clothing must not be allowed out of the workplace.
Response	
P302 + P352 P333 + P313 P362 + P364	IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it 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 overexposure to this product are skin and eye contact. Inhalation of vapor and ingestion are not expected to be significant routes of exposure for this product under normal use conditions. Complete toxicity data are not available for this specific formulation.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name		%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Water		65-85	7732-18-5 231-791-2	-	-	
Classification:	-					
Ethoxylated-2,4,7,9-tetram yn-4,7-diol	ethyl-5-dec	<1	9014-85-1 500-022-5	-	-	
Classification:	Skin Sens. 1	;H317, Ey	e Dam. 1;H318, Aqua	atic Chronic 3;H412		
1,2-Benzisothiazolin-3-one	;	<0.05	2634-33-5 220-120-9	01-2120761540-60-XXXX	613-088-00-6	
	Acute Tox. 4 Acute 1;H40		in Irrit. 2;H315, Skin S	Sens. 1;H317, Eye Dam. 1;H3	318, Aquatic	
2-methyl-2h-isothiazol-3-or	ne	<0.05	2682-20-4 220-239-6	01-2120764690-50-XXXX	-	
		B, Acute To		n Corr. 1B;H314, Skin Sens. Acute 1;H400(M=10), Aquatic	-	
mposition comments	This in	supply co	ontains an aqueous ir	nk formulation.		

SECTION 4: First aid measures

General information	Not available.
4.1. Description of first aid meas	sures
Inhalation	Move to fresh air. If symptoms persist, get medical attention.
Skin contact	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
Eye contact	Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists get medical attention.
Ingestion	If ingestion of a large amount does occur, seek medical attention.
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	Not available.

SECTION 5: Firefighting measures

General fire hazards	Not available.
5.1. Extinguishing media Suitable extinguishing media	Dry chemical, CO2, water spray or regular foam.

Unsuitable extinguishing media	None known.
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	Not available.
Specific methods	None established.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures			
For non-emergency personnel	Wear appropriate personal protective equipment.		
For emergency responders	Not available.		
6.2. Environmental precautions	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.		
6.3. Methods and material for containment and cleaning up	Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.		
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.
7.2. Conditions for safe storage, including any incompatibilities	Keep out of the reach of children. Keep away from excessive heat or cold.
7.3. Specific end use(s)	Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters	
Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Recommended monitoring procedures	Not available.
Derived no effect levels (DNELs)	Not available.
Predicted no effect concentrations (PNECs)	Not available.
Exposure guidelines	Exposure limits have not been established for this product.
8.2. Exposure controls	
Appropriate engineering controls	Use in a well ventilated area.
Individual protection measures,	such as personal protective equipment
General information	Use personal protective equipment to minimize exposure to skin and eye.
Eye/face protection	Not available.
Skin protection	
- Hand protection	Not available.
- Other	Not available.
Respiratory protection	Not available.
Thermal hazards	Not available.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls	Not available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state	Liquid.
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Form	Not available.
Color	Yellow
Odor	Not available.
Odor threshold	Not available.
рН	9 - 10
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	> 230.0 °F (> 110.0 °C) Pensky-Martens Closed Cup US EPA Method 1020
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Solubility(ies)	
Solubility (water)	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 determined
9.2. Other information	
VOC	< 7 g/L

SECTION 10: Stability and reactivity

10.1. Reactivity	Not available.
10.2. Chemical stability	Stable under recommended storage conditions.
10.3. Possibility of hazardous reactions	Will not occur.
10.4. Conditions to avoid	Not available.
10.5. Incompatible materials	Incompatible with strong bases and oxidizing agents.
10.6. Hazardous decomposition products	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

SECTION 11: Toxicological information

	U	
General information	Not available.	
Information on likely route	s of exposure	
Inhalation	Under normal conditions of	intended use, this material is not expected to be an inhalation hazard.
Skin contact	May cause an allergic skin r	eaction.
Eye contact	Contact with eyes may result in mild irritation.	
Ingestion	Health injuries are not known or expected under normal use.	
Symptoms	Not available.	
11.1. Information on toxico	ological effects	
Acute toxicity	Based on available data, the classification criteria are not met.	
Components	Species	Test Results
2-methyl-2h-isothiazol-3-one	e (CAS 2682-20-4)	
Acute		
Dermal		
LD50	Rat	242 mg/kg

Components	Species	Test Results
Inhalation		
LC50	Rat	0.11 mg/l, 4 h
Oral		
LD50	Rat	120 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 an allergic skin re	eaction.
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.
Mixture versus substance information	Not available.	
Other information		ot available for this specific formulation al health effects and Section 4 for first aid measures.

SECTION 12: Ecological information

12.1. Toxicity			
Aquatic toxicity	Not expected	to be harmful to aquatic organisms.	
Product	Species		Test Results
3YL83Series			
Aquatic			
Acute			
Fish	LC50	Fathead minnow (Pimephales promelas	s) >750 mg/l, 96 hours
Components		Species	Test Results
2-methyl-2h-isothiazol-3-one (CA	S 2682-20-4)		
Acute			
Other	EC50	Pseudokirchnerella subcapitata	0.138 - 0.22 mg/l, 120 h (OECD 201)
Chronic			
	NOEC	Pseudokirchneriella subcapitata	0.05 mg/l, 120 h (OECD 201)
Aquatic			
Acute			
Crustacea	EC50	Daphnia magna	1.6 mg/l, 48 h (OECD 202)
	LC50	Daphnia magna	0.934 mg/l, 48 h (OECD 202)
Fish	LC50	Oncorhynchus mykiss	4.77 mg/l, 96 h (OECD 203)
2.2. Persistence and legradability	Not available.		
2.3. Bioaccumulative potential	Not available.		
Partition coefficient n-octanol/water (log Kow)	Not available.		
Bioconcentration factor (BCF) 2-methyl-2h-isothiazol-3-one		48.1, Viscera (1972) Species: Bluegill (Lep 5.75, Carcass (1972)	
		Species: Bluegill (Lep	
Ethoxylated-2,4,7,9-tetrameth			el-wi (Episuite v4.11, BCFBAF V3.01)
I2.4. Mobility in soil I2.5. Results of PBT and vPvB	Not available.	PVR substance or mixture	
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 allow this material to drain into sewers/water supplies. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.
	HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.

SECTION 14: Transport information

DOT	
UN number	Not available.
UN proper shipping name	Not Regulated
Transport hazard class(es)	Ĵ
Class	Not available.
Subsidiary risk	-
Packing group	Not available.
Environmental hazards	
Marine pollutant	No
Special precautions for user	Not available.
ΙΑΤΑ	
UN number	Not available.
UN proper shipping name	Not Regulated
Transport hazard class(es)	5
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	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.
	Transport in bulk according to Annex II of MARPOL73/78 and the IBC code: Not applicable.

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2 Not listed.	2009 on substances that deplete the ozone layer, Annex I and II, as amended
Regulation (EC) No. 850/20 Not listed.	004 On persistent organic pollutants, Annex I as amended
Regulation (EU) No. 649/20	12 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended
• • •	12 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended
• • •	012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended
• • •	012 concerning the export and import of dangerous chemicals, Annex V as amended
Not listed. Regulation (EC) No. 166/20 Not listed.	06 Annex II Pollutant Release and Transfer Registry, as amended
	2006, REACH Article 59(10) Candidate List as currently published by ECHA
Authorizations	
Regulation (EC) No. 1907/2 Not listed.	2006, REACH Annex XIV Substances subject to authorization, as amended
Restrictions on use	
Regulation (EC) No. 1907/2 Not listed.	2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended
	ne protection of workers from the risks related to exposure to carcinogens and mutagens at
Not listed.	
Other EU regulations	
Directive 2012/18/EU on ma Not listed.	ajor accident hazards involving dangerous substances, as amended
Other regulations	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.
Other information	This Safety Data Sheet complies with the requirements of Regulation (EU) 2015/830. Classification according to Regulation (EC) No 1272/2008 as amended. Specific Provisions: Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (in the amended version OJ L 396 from 29.05.2007 page 3 with further rectifications and amendments).
National regulations	Not available.
15.2. Chemical safety assessment	See attached SUMI or GEIS document, if applicable.
SECTION 16: Other infor	mation
References	Regulation (EC) No. 1907/2006 of December 18, 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) and establishing a European Chemicals Agency (REACH).
	Agency (REACH).
	Regulation (EU) 2015/830 of May 28, 2015 amending Regulation (EC) No. 1907/2006.
method leading to the	Regulation (EU) 2015/830 of May 28, 2015 amending Regulation (EC) No. 1907/2006. Regulation (EC) No. 1272/2008 of December 16, 2008 on classification, labeling and packaging o
Information on evaluation method leading to the classification of mixture Full text of any H-statements	 Regulation (EU) 2015/830 of May 28, 2015 amending Regulation (EC) No. 1907/2006. Regulation (EC) No. 1272/2008 of December 16, 2008 on classification, labeling and packaging o substances and mixtures, and amendments (CLP). The classification for health and environmental hazards is derived by a combination of calculation
method leading to the classification of mixture	Regulation (EU) 2015/830 of May 28, 2015 amending Regulation (EC) No. 1907/2006. Regulation (EC) No. 1272/2008 of December 16, 2008 on classification, labeling and packaging o substances and mixtures, and amendments (CLP). The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.
method leading to the classification of mixture Full text of any H-statements not written out in full under	 Regulation (EU) 2015/830 of May 28, 2015 amending Regulation (EC) No. 1907/2006. Regulation (EC) No. 1272/2008 of December 16, 2008 on classification, labeling and packaging o substances and mixtures, and amendments (CLP). The classification for health and environmental hazards is derived by a combination of calculation
method leading to the classification of mixture Full text of any H-statements not written out in full under	 Regulation (EU) 2015/830 of May 28, 2015 amending Regulation (EC) No. 1907/2006. Regulation (EC) No. 1272/2008 of December 16, 2008 on classification, labeling and packaging o substances and mixtures, and amendments (CLP). The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available. H301 Toxic if swallowed.

	H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H330 Fatal if inhaled. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.
Revision information	 Product and Company Identification: EU Poison Center Composition / Information on Ingredients: Disclosure Overrides
Training information	Follow training instructions when handling this material.
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.
	This safety data sheet is meant to convey information about HP inks (toners) provided in HP Original ink (toner) supplies. If our Safety Data Sheet has been provided to you with a refilled, remanufactured, compatible or other non-HP Original supply please be aware that the information contained herein was not meant to convey information about such products and there could be considerable differences from information in this document and the safety information for the product you purchased. Please contact the seller of the refilled, remanufactured or compatible supplies for applicable information, including information on personal protective equipment, exposure risks and safe handling guidance. HP does not accept refilled, remanufactured or compatible supplies in our recycling programs.
Explanation of abbreviations	

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

Safe Use of Mixture Information (SUMI)

Water Based Ink: WB01 *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.

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Operational conditions	
Maximum duration	Up to 8 hours per day
Frequency of exposure	< 240 days per year
Process conditions	Covers use at ambient temperatures. 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. 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	Wear safety glasses with side shields (or goggles), if splashing is possible.
related to Personal Protection	
	Wear appropriate chemical resistent gloves: see section 8 of the SDS.
Equipment, hygiene and	Wear appropriate chemical resistent clothing.
health evaluation	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 equipme	ent as required.
Wash hands before breaks and a	after work.
Keep good industrial hygiene and	d safety practice.
Use only with adequate ventilati	
Do no eat, drink or smoke when	
Wash contaminated clothing be	
Store at room temperature.	
Environmental measures	
	is into source/unitor supplies
Do not allow this material to dra	
-	ding to Local, State, Federal and Provincial Environmental Regulations.
	ith appropriately licenced waste contractor.
Use descriptors	
IS-Use at industrial sites	
PW-Widespread use by profession	onal workers
SU7-Printing and reproduction n	nedia
PC18-Inks and Toners	
PROC1-Chemical production or r	refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.
PROC2-Chemical production or r	refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
condition PROC8a-Transfer of substance o	ation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment or mixture (charging and discharging) at non-dedicated facilities or mixture (charging and discharging) at dedicated facilities
ERC5-Use at industrial site leading	
	to inclusion into/onto article (indoor)
Additional information on prod	
	s on the label, the classification of the mixture is provided.
Most of the water based inks are	
	is based on the individuel ingredients and their concentration within the mixture.
	ne classification are stated in Section 3 of the SDS.
Relevant limit values of ingredier	nts on which the exposure assessment is based, are listed in section 8 of the SDS.
The product may contain sensitiz	zing ingredients that may cause allergic reaction to certain people.
Section 2 of the SDS states these	ingredients where applicable.
	WB01 English.pdf