Safety data sheet

COMMISSION REGULATION (EU) No 2015/830 of 1 June 2015 amending Annex II of Regulation (EU) No 453/2010

Printing date 10.06.2025 Version number 1 Revision: 29.01.2024

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

1.1- Product identifier

Product name : Black INK for Z-Grip Smooth BP , Z-Grip Bespoke Pastel LV , Z-Grip Elegance BP LV , Z-Grip Elegance 4CBP LV

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

- Use of the substance/mixture : Ink for writing implement
- Recommended restrictions on us : No information available
- Uses Advised Against : No information available

1.3 - Details of the supplier of the SDS

Impoter1: ZEBRA PEN (UK) LIMITED
Address: 19 Tudor Road, Manor Park, Runcorn, WA7 1TY United Kingdom
Telephone number: +44-208-974-2202

Impoter2: ZEBRA PEN EU KFT.
Address: H-1039 Budapest, Pünkösdfürdő u.52. Hungary
Telephone number: +36 1 630 91 73

Manufacture:ZEBRA CO, LTD.
Address: 2-9 Higashigoken-cho Shinjuku-ku Tokyo 162-8562 JAPAN
Telephone number: +81-3-3268-1191
E-mail: kankyo@zebra.co.jp

1.4 Emergency telephone number:

Impoter:+44-208-974-2202、+36 1 630 91 73
Manufacture:+81-3-3268-1191

This phone number is available only during office hours: 9 a.m. to half past 5 p.m. (Japan time)

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**
· **Classification according to Regulation (EC) No 1272/2008**

Acute Tox. 4	H302	Harmful if swallowed.
Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2	H319	Causes serious eye irritation.
STOT SE 3	H335	May cause respiratory irritation.
Aquatic Chronic 2	H411	Toxic to aquatic life with long lasting effects.

· **2.2 Label elements**
· **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.

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· **Hazard pictograms**

GHS07 GHS09

· **Signal word** Warning

· **Hazard-determining components of labelling:**
2-phenoxyethanol
[4-[p,p'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium m-[[p-anilinophenyl]azo]benzenesulphonate
benzyl alcohol
Phosphoric acid, 2-ethylhexyl ester

· **Hazard statements**
H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H411 Toxic to aquatic life with long lasting effects.

· **Precautionary statements**

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves / eye protection / face protection.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/ International regulations.

· **Additional information:**
EUH208 Contains [4-[p,p'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium m-[[p-anilinophenyl]azo]benzenesulphonate. May produce an allergic reaction.

· **2.3 Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

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SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**

· **Description** Mixture of substances listed below with nonhazardous additions.

· **Components:**

CAS: 122-99-6 EINECS: 204-589-7	2-phenoxyethanol Acute Tox. 4, H302; Eye Irrit. 2, H319	25% - 40%
CAS: 65113-55-5 EINECS: 265-449-9	[4-[p,p'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium m-[[p-anilinophen Eye Dam. 1, H318; Aquatic Chronic 1, H410; Skin	15% - 40%
CAS: 100-51-6 EINECS: 202-859-9	benzyl alcohol Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4,	5% - 15%
CAS: 12645-31-7 EINECS: 235-741-0	Phosphoric acid, 2-ethylhexyl ester Skin Corr. 1B, H314	0% - 5%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **General information:**
Consult Physician. Show this safety data sheet to doctor in attendance.

· **After inhalation:**
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

· **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
Remove any contaminated clothing. Wash skin with soap and water for at least 15 minutes.
Get medical attention if irritation develops or persists. Wash clothing before reuse.

· **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**
Rinse out mouth and then drink plenty of water.
If symptoms persist consult doctor.
Never give anything by mouth to an unconscious person. Rinse mouth with water.
Consult a physician.

· **4.2 Most important symptoms and effects, both acute and delayed**
Oral route: Harmful if swallowed
Skin: Causes skin irritation
Eye: Causes eye irritation

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· ***Information for doctor:*** *Treat symptomatically and supportively.*
· ***4.3 Indication of any immediate medical attention and special treatment needed***
Immediate medical attention is required. Treat symptomatically

SECTION 5: Firefighting measures

· ***5.1 Extinguishing media***
· ***Suitable extinguishing agents:***
Water spray
Alcohol resistant foam
Fire-extinguishing powder
Carbon dioxide
· ***For safety reasons unsuitable extinguishing agents:*** *Water with full jet*
· ***5.2 Special hazards arising from the substance or mixture***
Carbon dioxide (CO2)
Carbon monoxide (CO)
· ***5.3 Advice for firefighters***
· ***Protective equipment:***
Wear suitable protective clothing to avoid contact with skin.
Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

· ***6.1 Personal precautions, protective equipment and emergency procedures***
Avoid breathing vapors, mist or gas.
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
· ***6.2 Environmental precautions:***
Do not allow to enter sewers/ surface or ground water.
Do not allow product to reach sewage system or any water course.
· ***6.3 Methods and material for containment and cleaning up:***
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
· ***6.4 Reference to other sections***
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**
Avoid contact with eyes and skin.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
· **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:** Store in a cool location.
· **Information about storage in one common storage facility:**
Store away from oxidising agents.
· **Further information about storage conditions:** Store under inert gas.
· **7.3 Specific end use(s)**
Used as inks for sketch pens, fine liners and all kind of writing instruments

SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **8.1 Control parameters**
· **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **8.2 Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
Do not inhale dust / smoke / mist.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
· **Respiratory protection:**
Half or full face piece respirator, self-contained breathing apparatus (SCBA), supplied air respirator, etc.
Use respirators approved under appropriate government standards and follow local and national regulations.
· **Protection of hands:**

Protective gloves

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The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· ***Material of gloves***
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

· ***Penetration time of glove material***
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· ***Eye protection:***

Tightly sealed goggles

· ***Body protection:*** *Protective work clothing*

SECTION 9: Physical and chemical properties

· ***9.1 Information on basic physical and chemical properties***	
· ***General Information***	
Appearance:	*Liquid*
· ***Form:***	*Liquid*
· ***Colour:***	*Black*
· ***Odour:***	*Characteristic*
· ***Odour threshold:***	*Not applicable*
· ***pH-value:***	*Not applicable*
· ***Change in condition***	
Melting point/freezing point:	*Undetermined.*
Initial boiling point and boiling range:	*205 °C*
· ***Flash point:***	*101 °C*
· ***Flammability (solid, gas):***	*Not applicable*
· ***Ignition temperature:***	*435 °C*
· ***Auto-ignition temperature:***	*Product is not self-igniting.*
· ***Explosive properties:***	*Product does not present an explosion hazard.*

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· **Explosion limits:**	
Lower:	1.3 Vol %
Upper:	13.0 Vol %
· **Vapour pressure at 20 °C:**	0.1 hPa
· **Density:**	Not determined.
· **Vapour density**	Not applicable
· **Evaporation rate**	Not applicable
· **Solubility in / Miscibility with**	
Water:	Not miscible or difficult to mix.
· **Partition coefficient: n-octanol/water:**	Not applicable
· **Viscosity:**	
Dynamic:	Not applicable
Kinematic:	Not applicable
· **Solvent content:**	
Organic solvents:	40.0 %
VOC (EC)	46.00 %
Solids content:	60.0 %
· **9.2 Other information**	No further relevant information available.

SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.
· **10.2 Chemical stability** Stable under recommended storage conditions.
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
· **10.3 Possibility of hazardous reactions** Reacts violently with oxidising agents.
· **10.4 Conditions to avoid** Extreme heat
· **10.5 Incompatible materials:** Avoid contact with strong oxidizing agents.
· **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**
· **Acute toxicity**
Harmful if swallowed.

· **LD/LC50 values relevant for classification:**		
122-99-6 2-phenoxyethanol		
Oral	LD50	1850 mg/kg bw (rat(Wistar)male/female)

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Dermal	LD50	14391 mg/kg bw (rat)
Inhalative	LC50	> 1000 mg/m³ air (rat(Wistar)male/female)
100-51-6 benzyl alcohol		
Oral	LD50	1620 mg/kg bw (rat(Wistar)male)
Dermal	LD50	>2000 mg/kg bw (rabbit)

· **Primary irritant effect:**
· **Skin corrosion/irritation**
Causes skin irritation.
· **Serious eye damage/irritation**
Causes serious eye irritation.
Eye irritation:
CAS No.122-99-6
Animal/Species: Vienna White
rabbit cornea score: 1.7
chemosis score: 1.3
iris score:0.7
Result: Irritating to eyes
· **Respiratory or skin sensitisation** No sensitising effects known
· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
· **Germ cell mutagenicity** No data available.
· **Carcinogenicity** No data available.
· **Reproductive toxicity** No data available.
· **STOT-single exposure**
May cause respiratory irritation.
· **STOT-repeated exposure** No data available.
· **Aspiration hazard** No data available.

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**	
122-99-6 2-phenoxyethanol	
EC50 (48-h)	> 500 mg/L (Daphnia magna)
EC50(72-h)	> 500 mg/L (Algae)
LC50(96 -h)	344 mg/L (Pimephales promelas (Fish, fresh water))
100-51-6 benzyl alcohol	
EC50(48-h)	230 mg/L (Daphnia magna)
EC50(72-h)	770 mg/L (Algae)
LC50(96-h)	460 mg/L (Pimephales promelas (Fish, fresh water))

· **12.2 Persistence and degradability** No further relevant information available.
· **12.3 Bioaccumulative potential** No further relevant information available.

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· **12.4 Mobility in soil** No further relevant information available.
· **Additional ecological information:**
· **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation**
Dispose of waste material according to local, state and federal regulations.
· **Waste disposal key:**
08 03: wastes from Manufacture, Formulation, Supply and Use (MFSU) of printing inks

· **Uncleaned packaging:**
· **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

· **14.1 UN-Number**	
· **ADR, IMDG, IATA**	UN3082
· **14.2 UN proper shipping name**	
· **ADR**	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((Z)-octadec-9-enylamine, Phosphoric acid, 2-ethylhexyl ester)
· **IMDG**	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((Z)-octadec-9-enylamine, Phosphoric acid, 2-ethylhexyl ester), MARINE POLLUTANT
· **IATA**	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((Z)-octadec-9-enylamine, Phosphoric acid, 2-ethylhexyl ester)

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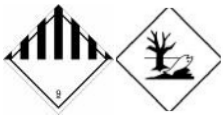
· **14.3 Transport hazard class(es)**

· **ADR, IMDG**



· **Class**	9 Miscellaneous dangerous substances and articles.
· **Label**	9

· **IATA**

· **Class**	8 Corrosive substances.
· **Label**	8

· **14.4 Packing group**	
· **ADR, IMDG, IATA**	III
· **14.5 Environmental hazards:**	Product contains environmentally hazardous substances: [4-[p,p'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium m-[[p-anilinophenyl]azo] benzenesulphonate
· **Marine pollutant:**	Symbol (fish and tree)
· **Special marking (ADR):**	Symbol (fish and tree)
· **Special marking (IATA):**	Symbol (fish and tree)
· **14.6 Special precautions for user**	Warning: Miscellaneous dangerous substances and articles.
· **Hazard identification number (Kemler code):**	90
· **EMS Number:**	F-A,S-F
· **Segregation groups**	Acids
· **Stowage Category**	A
· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**	Not applicable.
· **Transport/Additional information:**	
· **ADR**	
· **Limited quantities (LQ)**	5L
· **Excepted quantities (EQ)**	Code: E1 Maximum net quantity per inner packaging: 30 ml

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·	Maximum net quantity per outer packaging: 1000 ml
· **Transport category**	3
· **Tunnel restriction code**	-
· **IMDG**	
· **Limited quantities (LQ)**	5L
· **Excepted quantities (EQ)**	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· **UN "Model Regulation":**	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((Z)-OCTADEC-9-ENYLAMINE, PHOSPHORIC ACID, 2-ETHYLHEXYL ESTER), 9, III

SECTION 15: Regulatory information

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

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms**

GHS07 GHS09

· **Signal word** Warning

· **Hazard-determining components of labelling:**

2-phenoxyethanol
[4-[p,p'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium m-[[p-anilinophenyl]azo]benzenesulphonate
benzyl alcohol
Phosphoric acid, 2-ethylhexyl ester

· **Hazard statements**

H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H411 Toxic to aquatic life with long lasting effects.

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· **Precautionary statements**

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves / eye protection / face protection.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/ International regulations.

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** Substance not listed
· **Seveso category** E2 Hazardous to the Aquatic Environment
· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
· **15.2 Chemical safety assessment:**
A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H410 Very toxic to aquatic life with long lasting effects.
· **Contact:**
.
Tel: +91-22-25021600/1700/1800
Fax: - +91-22-2556 8088
Email:- info@smoothlineinks.com
Website: - www.smoothlineinks.com
· **Abbreviations and acronyms:**
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

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ICAO: International Civil Aviation Organisation
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity - oral – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1B: Skin sensitisation – Category 1B
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

· ***Sources***

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/ 548/EEC and 1999/45/EC, and amending Regulation (EC) No1907/2006.
ECHA-registered dossier for CAS no. 122-99-6
ECHA-Registered dossier CAS No.100-51-6

· **** Data compared to the previous version altered.***

•Section 1: Identification of the substance/mixture and of the company/undertaking
•Section 2: Hazard Identification
•Section 3: Composition/information on ingredients
•Section 4: First-aid measures.
•Section 5: Fire-fighting measures
•Section 6: Accidental Release measures
•Section 7: Handling and storage.
•Section 8: Exposure Controls/Personal protection.
•Section 9: Physical and Chemical properties.
•Section 10: Stability and Reactivity
•Section 11: Toxicological Information.
•Section 12: Ecological Information.
•Section 13: Disposal consideration
•Section 14: Transport information
•Section 15: Regulatory information
•Section 16: Other information