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 : Blue 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***

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.

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

GHS07

· ***Signal word*** *Warning*

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· **Hazard statements**
H315 Causes skin irritation.
H319 Causes serious eye irritation.
· **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.
P264	Wash thoroughly after handling.
P280	Wear protective gloves / eye protection / face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P337+P313	If eye irritation persists: Get medical advice/attention.

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

SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**

· **Description** MIxture of substances listed below along with some other additions:

· **Components:**

CAS: 122-99-6 EINECS: 204-589-7	2-phenoxyethanol Acute Tox. 4, H302; Eye Irrit. 2, H319	35% - 55%
CAS: 100-51-6 EINECS: 202-859-9	benzyl alcohol Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4,	10% - 30%
CAS: 12645-31-7 EINECS: 235-741-0	Phosphoric acid, 2-ethylhexyl ester Skin Corr. 1B, H314	0% - 5%
CAS: 61813-75-0	C. I. Solvent Blue 43	5% - 10%

· **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:** Remove contaminated clothes. Consult a doctor immediately.
· **After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

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· ***After eye contact:***
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· ***After swallowing:*** *Drink plenty of water and provide fresh air. Call for a doctor immediately.*
· ***4.2 Most important symptoms and effects, both acute and delayed***
Skin: Causes Skin irritation
Eye: Causes eye irritation
· ***Information for doctor:*** *Treat symptomatically and supportively.*
· ***4.3 Indication of any immediate medical attention and special treatment needed***
Follow instructions given above in skin and eye contact.

SECTION 5: Firefighting measures

· ***5.1 Extinguishing media***
· ***Suitable extinguishing agents:***
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
· ***For safety reasons unsuitable extinguishing agents:*** *oxidizing agent*
· ***5.2 Special hazards arising from the substance or mixture*** *Carbon oxides*
· ***5.3 Advice for firefighters***
· ***Protective equipment:***
Fire fighters should wear positive self-contained breathing apparatus.
Wear fully protective suit.

SECTION 6: Accidental release measures

· ***6.1 Personal precautions, protective equipment and emergency procedures***
Wear protective equipment. Keep unprotected persons away.
· ***6.2 Environmental precautions:*** *Do not allow to enter sewers/ surface or ground water.*
· ***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.

SECTION 7: Handling and storage

· ***7.1 Precautions for safe handling***
Avoid contact with eyes and skin.
Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

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· **Information about fire - and explosion protection:**
Store away from heat, sparks, flame, combustible materials.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Keep container tightly closed in a dry and well-ventilated place. Store in cool place.
· **Information about storage in one common storage facility:**
Do not store together with oxidising and acidic materials.
· **Further information about storage conditions:**
Store away from moisture. Store in cool and dry place.
Keep container tightly sealed.
· **7.3 Specific end use(s)** It is used as a Ink in industry

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:**
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:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
· **Protection of hands:**

Protective gloves

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

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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:**	*Blue*
· **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.*
· **Explosion limits:**	
Lower:	*Not applicable*
Upper:	*Not applicable*
· **Vapour pressure at 20 °C:**	*0.1 hPa*
· **Density:**	*Not determined.*
· **Evaporation rate**	*Not applicable*

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· **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:**	
VOC (EC)	52.00 %
· **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:**
Keep away from ignition sources, heat and naked flame.
· **10.3 Possibility of hazardous reactions** Reacts with acids, alkalis and oxidising agents.
· **10.4 Conditions to avoid** Incompatible materials
· **10.5 Incompatible materials:** Avoid contact with strong oxidizing agents.
· **10.6 Hazardous decomposition products:**
Hazardous decomposition products formed under fire conditions. - Carbon oxides

SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**
· **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

122-99-6 2-phenoxyethanol

Dermal	LD50	14391 mg/kg bw (rat)
Inhalative	LC50	> 1000 mg/m³ air (nominal) (rat(Wistar)male/female)

· **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

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Result:Irritating to eyes
· **Respiratory or skin sensitisation** Not sensitising
· **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** No data available.
· **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/lit (Pimephales Promelas (Fathead Minnow))
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 (Fish Pimephales promelas)

· **12.2 Persistence and degradability** No further relevant information available.
· **12.3 Bioaccumulative potential** No further relevant information available.
· **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**
Observe all federal, state, and local environmental regulations.

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Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **Waste disposal key:** *08 03 wastes from 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**	*Not applicable.*
· **14.2 UN proper shipping name** · **ADR, IMDG, IATA**	*Not applicable.*
· **14.3 Transport hazard class(es)** · **ADR, ADN, IMDG, IATA** · **Class**	*Not applicable.*
· **14.4 Packing group** · **ADR, IMDG, IATA**	*Not applicable.*
· **14.5 Environmental hazards:** · **Marine pollutant:**	*Not applicable*
· **14.6 Special precautions for user**	*Not applicable.*
· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**	*Not applicable.*
· **UN "Model Regulation":**	*Not applicable.*

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

· **Signal word** *Warning*

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· **Hazard statements**
H315 Causes skin irritation.
H319 Causes serious eye irritation.
· **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.
P264	Wash thoroughly after handling.
P280	Wear protective gloves / eye protection / face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P337+P313	If eye irritation persists: Get medical advice/attention.

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** Substance not listed

· **National regulations:**

· **Other regulations, limitations and prohibitive regulations**
User to follow national laws and regulations.
· **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.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.

· **Department issuing SDS:** Product safety department.
· **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 Irrit. 2: Serious eye damage/eye irritation – Category 2

· **Sources**

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THECOUNCIL 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.***

- Section1: Identification of the substance /preparation & 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 & Chemical Properties
- Section 10 – Stability and reactivity
- Section 11 - Toxico-logical Information
- Section 12 - Ecological Information
- Section 13: Disposal consideration.
- Section 14: Transport Information
- Section 15: Regulatory information
- Section 16: Other information