

Safety Data Sheet

1. Identification of the mixture and of the company

Product name : Black ink for Fuente
 Company : ZEBRA CO., LTD.

TEL:
 FAX:
 Emergency telephone

Product use : Infill Ink for writing implement

2. Hazards identification

Regulation (EC) No. 1907/2006 (REACH) and (EC) No.1272/2008 (CLP)

Physical hazards

Flammable liquids	Not classified
Pyrophoric liquids	Not classified
Self-heating mixtures	Not classified
Corrosive to metals	Not classified

Health hazards

Acute toxicity–Oral	Not classified
Acute toxicity–Dermal	Not classified
Acute toxicity–Inhalation: vapour	Not classified
Acute toxicity–Inhalation: mist	Not classified
Skin corrosion / irritation	Not classified
Serious eye damage / eye irritation	Not classified
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity (Single exposure)	Not classified
Specific target organ toxicity(Repeated exposure)	Not classified
Aspiration hazard	Not classified

Environmental hazards

Hazardous to the aquatic environment(acute)	Not classified
Hazardous to the aquatic environment(chronic)	Not classified

GHS label elements

Pictograms or Symbol

No pictogram

Signal Word

No signal word

Hazard statement

No hazard statement

Precautionary Statements

Prevention

No word

Response

No word

Storage

No word

Disposal

No word

3. Composition/information on ingredients

Mixture

Component and Amount

Component	Amount	CAS No.	EC No.	Hazard Statement and Class	
Diethylene glycol	1-10%	111-46-6	203-872-2	H302	Acute Tox. 4 *
Water	0-100%	7732-18-5	231-791-2	-	-
Other components	0-100%	Nondisclosure	Nondisclosure	-	-

* See (EC)No 1272/2008 Annex VI Section 1.2.1.

4. First-aid measures

After inhalation:

Call a doctor/physician if you feel unwell.

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

After skin contact:

Call a doctor/physician if you feel unwell.

If skin irritation occurs: Get medical advice/attention

After eye contact:

Rinse continuously with water for several minutes.

Remove contact lenses if present and easy to do . Continue rinsing

If eye irritation persists : Get medical advice/attention

After ingestion:

Call a doctor/physician if you feel unwell.

Protection of the person who takes first aid

Nothing in particular.

5. Fire-fighting measures

Suitable Extinguishing media

Carbon dioxide, dry chemical powder, water fog, foam

Prohibition extinguishing media for safety reason

Water spray (straight)

Specific hazards

This product is not combustible. But evaporated residue is combustible.

May produce toxic fumes if burning.

Specific fire fighting procedures

If safe to do so, move undamaged containers from the fire area.

If can't move the container , cool containers and surrounding with spray water.

Cool containers with large quantities of water until well after extinguished the fire.

Special protective equipment for fire-fighters

Fire-fighting should be performed from the windward side.

Respiratory protection, and other suitable protective equipment

6. Accidental release measures

Personal precautions

The pollution area should be established as off limits without concerned persons.

Protective equipment and emergency measure

Do not touch the leakage or its damaged container without suitable protection.

Do not walk through the leakage.

Keep sufficient ventilation if the area is indoor.

Remove ignition sources.

Environmental precautions

Keep away from drains, and prevent from releasing to the environment.

Methods for cleaning up

Use non-flammable absorbent materials, and put them in airtight container.

Dispose of absorbent in accordance with law.

Prevention of secondary disaster

Remove nearby ignition source and hot surface.

7. Handling and storage**Handling****Technical measures**

Do suitable equipment measures and use suitable protection that refer to

"8. Exposure control/ personal protection".

Local exhaust ventilation and general ventilation

Use local exhaust ventilation and general ventilation that refer to

"8. Exposure control/ personal protection".

Caution

When handling do not use high temperature articles, spark and fire.

Handle container with care, do not make it turn over, drop, give impact and drag.

Do not breathe, contact and swallow.

Maintain air concentrations below exposure limit using exhaust ventilation.

Do not eat, drink or smoke when using this product.

Wash hand thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Avoid release to the environment.

Avoid contact

Refer to section 10 about stability and reactivity.

Storage**Incompatible materials**

Refer to section 10 about stability and reactivity.

Storage condition

Store away from heat/sparks/open flames – No smoking

Store in a well ventilated place. Keep cool and container tightly closed.

Store locked up.

The Containers

Use the container that our company filled up when ship products

8. Exposure control/ personal protection**Exposure limit values**

Chemical name	EU-OEL (2006/15/EC, 2009/161/EU)		Germany TRGS900	UK. EH40 Workplace Exposure Limits (WELS)	
	Eight hours	Short-term		Long-term exposure limit	Short-term exposure limit
Diethylene glycol	–	–	10 ml/m ³ (ppm) 40 mg/m ³	23 ppm 101 mg/m ³	–

Equipment measures

Put up local exhaust ventilation. Use explosion-proof electrical/ventilating/lighting.
 Take precautionary measures against static discharge.
 Put up emergency eyewash and shower in case of storage or handling about this product.

Protection

Respiratory protection

If necessary use suitable respiratory protection.

Hand protection

Use suitable protective gloves.

Eye protection

Use suitable eye protection.

Skin/body protection

If necessary use suitable face protection.

Hygiene measures

Do not eat, drink or smoke when using this product.
 Wash thoroughly after handling.

9. Physical and chemical properties

Appearance	Black Liquid
Odour	Peculiar odour
pH	7
Melting point / Coagulating point	No data available
Boiling point	90°C
Flash point	146°C
Explosive limit UEL	No data available
Explosive limit LEL	No data available
Vapour pressure	No data available
Vapour density	No data available
Specific gravity	1
Water solubility	Fully miscible
Partition coefficient n-octanol/water	No data available
Ignition point	225°C
Decomposition point	No data available

10. Stability and reactivity

Chemical stability	This product is stable in normal condition.
Materials to Avoid	Strong oxidizing agent
Conditions to avoid	High temperature
Incompatible materials	Strong oxidizing agent
Hazardous decomposition products	Nothing in particular.

11. Toxicological information

Acute toxicity	Oral	: LD ₅₀	No information is available.
	Dermal	: LD ₅₀	No information is available.
	Inhalation	: LD ₅₀	No information is available.
Skin irritation			No information is available.
Eye irritation			No information is available.
Sensitization			No information is available.
Mutagenicity			No information is available.
Chromosome aberration			No information is available.
Carcinogenicity			No information is available.
Reproductive toxicity			No information is available.
Sub-Acute toxicity			No information is available.

12. Ecological information

12.1 Toxicity

Fish toxicity :	No information is available.
Acute toxicity to daphnia–magna :	No information is available.
Daphnia–magna Reproduction :	No information is available.
Algal inhibition :	No information is available.
Inhibitory effect assessment of activated sewage sludge :	No information is available.
12.2 Persistence and degradability :	No information is available.
12.3 Bioaccumulative potential :	No information is available.
12.4 Mobility of soil :	No information is available.
12.5 Results of PBT and vPvB assessment :	No information is available.
12.6 Other adverse effect :	No information is available.

13. Disposal considerations**Waste residues**

Disposal must be made according to official regulations.

Avoid release to the environment.

Contaminated container and packaging

Do not flush into the sewer.

Remove all contents when you dispose of empty containers.

European Waste(Eural code)

Smaller quantities can be disposed of with household waste.

08 00 00 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATING:
(PAINTS,VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS

08 01 00 wastes from MFSU and removal of paint and varnish

08 01 13 * sludges from paint or varnish containing organic solvents or other dangerous substances

14. Transport information

The contents are as follows when transport only ink

International regulation**IMDG (Maritime transport)**

UN No.	Not applicable
Class	–
Packing Group	–
Marine Pollutant	–

ICAO/IATA (Air transport)

UN No.	Not applicable
Class	–
Packing Group	–

ADR/RID (Land transport)

UN No.	Not applicable
Class	–
Packing Group	–

Special precautions

Prevent from falling, stumbling and doing damage when the container loading..

Avoid acute vibration and friction for container.

If there are some indications of hazard in transporting like acute leak in transporting,
take emergency measures and report the accident at once to disaster management agency.

Avoid transport with foods or feeds.

Above regulations are applied to transport of writing instruments filled with the ink.

15. Regulatory information

Follow all regulation in your country.

16. Other information

16.1 Full text of H-Statements referred to under Sections 2 and 3

H302 Harmful if swallowed

16.2 Other information

In this sheet, the contents of ingredients and the value of physical and chemical properties are not guaranteed performance.

The information contained in this sheet is based on the data available at now.

But this shall not constitute a guarantee for any specific or classification.

Please be alert to handling this product because chemicals shall have unknown hazards.

This sheet may be revised when we get new information.

The information is assumed in the case of large-scale handling on business operations.

They cannot be always applicable to general use of writing instruments.