Safety Data Sheet

Date of issue：2012-10-26
Revision Date：2023-08-30

1. Identification of the mixture and of the company

Product name : Ink for following items:
- H-8000 (Black, Blue, Red)
- JIMNIE RT (Blue)
- N5200 Fine (Blue)

Company : PT.ZEBRA ASABA INDUSTRIES
JL. BARU CARACAS NO.8 DUSUN PON B, KEL. CARACAS, KEC. CILIMUS,
KAB. KUNINGAN, PROVINSI JAWA BARAT , 45556
TEL: (0232) 8612320/ 8612370
FAX: (0232) 8612998, (0232) 8612668
Emergency telephone : (0232) 8612320/ 8612370
Product use : Infill Ink for writing implement

2. Hazards identification

GHS classification

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	Category 4
Acute toxicity-Dermal	Classification not possible
Acute toxicity-Inhalation：vapour	Not classified
Skin corrosion / irritation	Category 2
Serious eye damage / eye irritation	Category 2
Respiratory or skin sensitization	Classification not possible／Classification not possible
Germ cell mutagenicity	Classification not possible
Carcinogenicity	Classification not possible
Reproductive toxicity	Classification not possible
Specific target organ toxicity (Singel exposure)	Category 3(narcotic effects)
Specific target organ toxicity(Repeated exposure)	Classification not possible
Aspiration hazard	Classification not possible

Environmental hazards

Hazardous to the aquatic environment(acute)	Category 3
Hazardous to the aquatic environment(chronic)	Category 3

GHS label elements

Pictograms or Symbol

Exclamation mark

Signal Word

Warning

Hazard statement

Harmful if swallowed
Causes skin irritation
Causes serious eye irritation
May cause drowsiness or dizziness
Harmful to aquatic life
Harmful to aquatic life with long lasting effects

Precautionary Statements

Prevention

Wash hands thoroughly after handling
Do not eat, drink or smoke when using this product
Wear protective gloves/protective clothing/eye protection/face protection
Avoid breathing dust/fume/gas/mist/vapours/spray
Use only outdoors or in a well-ventilated area
Avoid release to the environment

Response

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Rinse mouth
IF ON SKIN: Wash with soap and water
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash it before reuse.
IF IN EYES: 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
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor/physician if you feel unwell

Storage

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

Disposal

Dispose of contents/container to in accordance with local government regulation.

3. Composition/information on ingredients

Mixture

Component and Amount

Component	Amount	CAS No.	Reference Number in Gazetted List in Japan (Japanese Chemical Substances Control Act)
Dyes	20-30%	Nondisclosure	Nondisclosure(registered)
Resins	15-25%	Nondisclosure	Nondisclosure(registered)
Ethylenglycol monophenyleth	30-45%	122-99-6	(9)-1277
Benzyl alchol	10-20%	100-51-6	(3)-1011
Additives	1-5%	Nondisclosure	Nondisclosure(registered)

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:

Wash with soap and water

If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash before reuse
Call a doctor/physician if you feel unwell.

After eye contact:

Immediately call a doctor/physician.Rinse continuously with water for several minutes.
Remove contact lenses if present and easy to do . Continue rinsing

After ingestion:

Rinse mouth. 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

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.
Equipped with suitable extinguishing media. (Preparation for in case of ignition)

---

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 throughly after handling.
Use only outdoors or in awell-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	Permissible concentration		Administrative levels
	The Japan Society for Occupational Health	ACGIH TLV-TWA	Ministry of Health, Labour and Welfare(JAPAN)
Ethylenglycol monophenylether	Not established	Not established	Not established
Benzyl alchol	25 mg/m3 (2022)	Not established	Not established

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

Use suitable respiratory protection.

Hand protection

Use suitable protective gloves.

Eye protection

Use suitable eye protection.

Skin/body protection

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	Coloring liquid
Odour	Peculiar odour
pH	No data available
Melting point / Coagulating point	No data available
Boiling point	No data available(reference information:Ethylenglycol monophenylether 245.2℃)
Flash point	No data available(reference information:Ethylenglycol monophenylether 127℃)
Explosive limit UEL	No data available
Explosive limit LEL	No data available
Vapour pressure	No data available
Vapour density	No data available
Specific gravity	No data available
Water solubility	No data available
Partition coefficient n-octanol/water	No data available
Ignition point	No data available
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	Category 4
Acute toxicity-Dermal	Classification not possible
Acute toxicity-Inhalation:vapour	Not classified
Skin corrosion / irritation	Category 2
Serious eye damage / eye irritation	Category 2
Respiratory or skin sensitization	Classification no Classification not possible／Not classified
Germ cell mutagenicity	Classification not possible
Carcinogenicity	Classification not possible
Reproductive toxicity	Classification not possible
Specific target organ toxicity(Singel exposure)	Category 3(narcotic effects)
Specific target organ toxicity(Repeated exposure)	Classification not possible
Aspiration hazard	Classification not possible

12. Ecological information

Hazardous to the aquatic environment(acute)	Category 3
Hazardous to the aquatic environment(chronic)	Category 3
Degradability	No data is available
Bioaccumulative potential	No data is available
Mobility in soil	No data 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.

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	–

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(Japan)

Industrial Safety and Health Act

Article 57-2 paragraph (1) "notifiable substances" 〈Effective:January 1, 2021〉

Applicable

Black, Blue, Red, Green ink : Benzyl alchol 10～20%

Black, Red ink : Trivalent chromium compound ≦1.1%

Blue, Green ink : Copper Compounds <1%

Order for Enforcement Article 1, 6, 9-3 Appended Table 1 item(Ⅳ)

dangerous substances・inflammable substances

Not applicable

Poisonous and Deleterious Substances Control Law

Article 2 Appended Table 1 and 2 〈Effective:February 1, 2022〉

Not applicable

Act on confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management There of

Article 2 Class Ⅰ, Ⅱ Designated Chemical Substances 〈Effective:April 1, 2023〉

Applicable

Black, Blue, Red, Green ink :
Alkan-1-amine (limited to those the alkane is linear chain and C=8,10,12,14,16 or 18 and the mixture thereof), (Z)-octadec-9-en-1-amine, (9Z,12Z)-octadeca-9,12-dien-1-amine and the mixture thereof 1.5%

Black ink: Trivalent chromium compound 1.1%

Fire Service Law

Category IV ClassⅢpetroleums water-insoluble

Article 2 paragraph (7) hazardous material Appended Table 1

Not applicable

Ship Safety Act

Regulations for the carriage and storage of dangerous goods in ship Article 2, 3
dangerous goods public notice Appended Table 1

Not applicable

Civil Aviation Law

Ordinance for Enforcement Article 194 dangerous goods public notice Appended Table 1

Not applicable

16. 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.

Reference

JIS Z 7253:2019
JIS Z 7252:2019
Recommendation of Occupational Exposure Limits(2022) by The Japan Society for Occupational Health
2009 TLVs and BEIs by ACGIH