

MSDS for #02272 - KOREA SPECIAL INK

MANUFACTURER : PLNBEE

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MATERIAL SAFETY DATA SHEET

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1. PRODUCT IDENTIFICATION

- ① Trade name : Colorverse Fountain Pen Ink
 ② Item No. (Color) : Colorvers ink # 1~75 & limited editions

No.	Item	Color
1	Colorverse ink # 1, 20, 29, 30, 43, 58, 62, LE	Black Tone Ink
2	Colorverse ink # 2, 3, 12, 13, 14, 22, 27, 28, 33, 37, 45, 47, 48, 61, 63, 65, 72, 73, LE	Blue Tone Ink
3	Colorverse ink # 10, 11, 15, 21, 23, 26, 36, 39, 51, 56, 66, 70, 75, LE	Green Tone Ink
4	Colorverse ink # 5, 8, 9, 19, 31, 34, 40, 42, 44, 49, 50, 52, 57, 64, 71, LE	Red Tone Ink
5	Colorverse ink # 4, 16, 53, 54, 69, 74, LE	Violet Tone Ink
6	Colorverse ink # 6, 7, 17, 18, 24, 25, 35, 38, 41, 46, 55, 59, 60, 67, 68, LE	Yellow& Brown Ink
7	Colorverse ink # 32,	Black Pigment Ink

- ③ Product code : Dye or Pigment Ink
 ④ Chemical type : Water-based ink
 ⑤ Use of the preparation : Fountain pen

2. COMPOSITION

Component	CAS number	% by weight
Item No.1 Black Tone INK		
Water	7732-18-5	>60%
Direct Black SB	85631-88-5	<20%
Glycerin	56-81-5	<20%

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Remaining components proprietary, unknown, or	< 1%
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Item No.2 Blue Tone INK

Water	7732-18-5	>60%
Direct Fast Blue FBL	12222-04-7	<10%
Glycerin	56-81-5	<15%
2.2'-oxybisethanol	111-46-6	<5%
Remaining components proprietary, unknown, or	< 2%	

Item No.3 Green Tone INK

Water	7732-18-5	>50%
Direct Fast Blue FBL	12222-04-7	<10%
Tartrazine	1934-21-0	<10%
Glycerin	56-81-5	<15%
2.2'-oxybisethanol	111-46-6	<5%
Remaining components proprietary, unknown, or	< 2%	

Item No.4 Red Tone INK

Water	7732-18-5	>60%
New Coccine	2611-82-7	<10%
Tartrazine	1934-21-0	<10%
Glycerin	56-81-5	<15%
2.2'-oxybisethanol	111-46-6	<5%
Remaining components proprietary, unknown, or	< 2%	

Item No.5 Violet Tone INK

Water	7732-18-5	>70%
Direct Fast Blue FBL	12222-04-7	<10%
New Coccine	2611-82-7	<10%
Glycerin	56-81-5	<15%
2.2'-oxybisethanol	111-46-6	<5%
Remaining components proprietary, unknown, or	< 2%	

Item No.6 Yellow and Brown Tone INK

Water	7732-18-5	>50%
New Coccine	2611-82-7	<10%
Tartrazine	1934-21-0	<10%
Glycerin	56-81-5	<15%
2.2'-oxybisethanol	111-46-6	<5%
Remaining components proprietary, unknown, or	< 2%	

Item No.7 Black Pigment INK

Water	7732-18-5	>60%
Carbon black	1333-86-4	<10%
Glycerin	56-81-5	<15%
Remaining components proprietary, unknown, or		< 1%

3. HAZARDOUS IDENTIFICATION

- ① **Contact with skin** may result in irritation.
- ② **Contact with eyes** may result in irritation.
- ③ **Inhalation** may result in respiratory irritation.
- ③ **Ingestion** may result in nausea, vomiting and diarrhea.

4. FIRST AID MEASURES

- ① **Eye** : 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.
- ② **Skin** : Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
- ③ **Inhalation** : Remove to fresh air. If symptoms persist, get medical attention.
- ④ **Ingestion** : If ingestion of a large amount dose occur, seek medical attention.

5. FIRE-FIGHTING MEASURES

- ① Suitable extinguishing media : Water spray, dry extinguishing media, CO₂.
- ② Unsuitable extinguishing media : None known.
- ③ Unusual fire and explosion hazard : None Known.

6. ACCIDENTAL RELEASE MEASURES

- ① Personal precautions : respiratory protection, hand protection.
- ② Environmental precautions : Do not let product enter drains.
- ③ Methods for Cleaning up : Soak up with inert absorbent material.
Slowly vacuum or sweep the material into a bag or other sealed container.
Dispose of in compliance with federal, state, and local regulations.

7. HANDLING AND STORAGE

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- ① Handling : Avoid contact with skin, eyes and clothing.
 - ② Storage : Keep out of the reach of children. Keep away from excessive heat or cold.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- ① Exposure limits have not been established for this product.
- ② Use personal protective equipment to minimize exposure to skin and eye.
- ③ Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

- ① PH : 6 ~ 9
- ② Boiling point : 212°F
- ③ Specific gravity : 1.03 - 1.06
- ④ Melting point / °F : N/A
- ⑤ Water solubility : Complete
- ⑥ Vapor density : >1(Air=1.0)
- ⑦ Vapor pressure : 17.5 mmHg
- ⑧ Viscosity : >2cp
- ⑨ Appearance / odor : black, cyan, magenta, yellow / mild odor
- ⑩ Evaporation rate : < Butyl Acetate
- ⑪ Flash point : No data available

10. STABILITY AND REACTIVITY

- ① Stability : Stable under recommended storage conditions.
- ② Conditions to avoid : Temperature extremes.
- ③ Materials To Avoid : Oxidizing substance, strong acids or bases.
- ④ Hazardous decomposition products : Oxides of carbon and Nitrogen.
- ⑤ Hazardous polymerization : Will not occur.

11. TOXICOLOGICAL INFORMATION

- ① Corrosive and irritant properties : Not available.
- ② Acute inhalation hazard : no data available.

12. ECOLOGICAL INFORMATION

Will not pollute the effluent provided it is processed correctly

13. DISPOSAL CONSIDERATIONS.

Must be dumped or incinerated in accordance with local regulations.

14. TRANSPORT INFORMATION

14.1. UN number : The product is not classified as dangerous for carriage.

14.2. UN proper shipping name : The product is not classified as dangerous for carriage.

14.3. Transport hazard class(es) [ADR/RID, IMDG, IATA] : The product is not classified as dangerous for carriage.

14.4. Packing group : The product is not classified as dangerous for carriage.

14.5. Environmental hazards : The product is not classified as dangerous for carriage.

14.6. Special precautions for user : The product is not classified as dangerous for carriage.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : The product is not classified as dangerous for carriage.

15. REGULATORY INFORMATION

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

No data available

16. OTHER INFORMATION

Reference : Korea occupational safety and health agency (KOSHA)

National Chemicals Information System (NCIS)

Korea dangerous material inventory management system

HSDB, IUCLID, ECB-ESIS, ECOTOX, IATC, ACGIH, ICSC, SIDS, SIAM