
Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : Ink, Light Cyan
Product Code : IP-835
-Application model : IP-4500/4010
Manufacturer's Name : Seiko I Infotech Inc.
Quality Assurance Department
Address : 563, Takatuka-Shinden, Matsudo-shi, Chiba, 270-2222, Japan
Telephone Number : +81-47-391-2349
Fax Number : +81-47-391-0952

2. COMPOSITION / INFORMATION ON INGREDIENTS

Distinction of a substance or a preparation : Preparation

Chemical Name	CAS No.	OSHA PEL	ACGIH TWA	%
Distillates (petroleum), hydrotreated middle	64742-46-7	5mg/m ³ (for mist)	5mg/m ³ (for mist)	35-45
Fatty acid ester	Listed	N/A	N/A	50-60
Polyamine, fatty acid condensate	Listed	Listed	N/A	0.3-2
Phthalocyanine	Listed	N/A	N/A	0.3-2

*All ingredients in this product are listed on the EINECS.

3. HAZARDS IDENTIFICATION

Most Important Hazards :

Adverse Human Health Effects : There is slight toxicity. Dermatitis may be started

when it touches a repetition or for a long time.
When drinking by mistake or breathing out, the liquid included in the respiratory system may start bronchitis or a edema of the lungs.

Specific hazards : Not Relevant.

4. FIRST-AID MEASURES

Inhalation : Move to fresh air area. A mouse is to blow. It is made gargle. Call a physician.

Skin Contact : In case of contact, immediately wash skin with soap and plenty of water.
If symptoms occur, get medical attention. Remove contaminated clothing and shoes. Wash clothing before reuse.

Eye Contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If irritation develops, get medical attention.

Ingestion : The inside of a mouth is washed with water. Call a physician.

5. FIRE-FIGHTING MEASURES

Extinguishing Media : Water mist, Form, Dry powder.
Protection of Firefighters : Fire fighters should wear self-contained breathing apparatus to avoid inhalation of smoke and vapors.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions : Wears the protection implement (Protection glove, Protection glasses etc.) for work.
Environmental Precautions : A flow is stopped with inactive adsorbent, such as the ground and sand, and an outflow thing is made not to flow into a drain, a waterway, and lowlands.
Recovery : Disclosure liquid is collected in the container for which sealing is possible.
Prevention of Secondary Hazards : Shut off all sources of ignition. Keep public away.

7. HANDLING AND STORAGE

Handling

Technical Measures : No Fire. It takes care that the sources of ignition, such as static electricity and sparks, do not occur.
Precautions : Deal with it in the state of sufficient ventilation.
Safe Handling Advice : The contact to an acid substance and an oxidizer is forbidden.

Storage

Storage Conditions

-Suitable : Avoid direct rays. Store containers in a cool and dark place.
-Not Suitable : Contact to an acid substance and an oxidizer.

Packaging Materials

-Recommended : In usual handling, it is unnecessary.
-Not Suitable : The act, which decomposes an ink cartridge.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures to reduce exposure : Although it is unnecessary about usual handling, the use in the well ventilated interior of a room is recommended.

Personal Protective Equipment

-Respiratory Protection : Mask etc.
-Hand Protection : Protection glove etc.
-Eye Protection : Protection goggles etc.
-Skin and Body Protection : Protection clothes etc.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State : Liquid
Colour : Thin Blue
Odour : Organic solvent odor.
pH : Not Relevant
Specific Temperatures/Temperature Ranges at which changes in Physical State Occur:
-Boiling Point : 279-316 °C.
Flashpoint : >154 °C (Cleveland Open cup).
Autoignition Temperature : 200 °C or more.
Explosion Properties : 0.6%v/v-6.0%v/v
Vapour Pressure : <0.001KPa/38 °C (fro Distillates (petroleum) hydrotreated middle).
Vapour Density : 1or more (air=1)

Density : 0.86–0.88g/cm³

10. STABILITY AND REACTIVITY

Stability :	Stable
Possible Hazardous Reactions Occurring Under Specific Conditions :	An inflammable mixture may be generated at flashpoint or the temperature beyond it.
Conditions to Avoid :	Since the empty container also contains the remaining liquid, don't throw into fire or don't put on the source of ignition.
Hazardous Decomposition Products :	Nothing

11. TOXICOLOGICAL INFORMATION

Acute Toxicity : LD₅₀ Ingestion 2500mg/kg or more (rats)
Local Effects : Skin primary stimulative – The degree of middle (rabbit)
Eye primary stimulative – Very slight
Sensitization : Negative

12. ECOLOGICAL INFORMATION

Mobility : In usual handling, mobility is not high.

13. DISPOSAL CONSIDERATIONS

Waste from residues : Disposal should be subject to federal, state or local laws.

14. TRANSPORT INFORMATION

International regulations :	Not Applicable.
UN Classification number :	Not Applicable.
Specific Precautionary Transport Measures and Conditions :	Not classified as hazardous for transport. Follow all regulations in your country.

15. REGULATORY INFORMATION

Classification : Irritant preparation
Indication of Danger : Irritant
Symbols of Danger : Xi
R-phrases : R36/38 Irritating to eyes and skin.
R66 Repeated exposure may cause skin dryness or cracking.
S-phrases : S24 Avoid contact with skin.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37 Wear suitable gloves.
Follow all regulations in your country.

16. OTHER INFORMATION

This data sheet was prepared in accordance with directive 2001/58/EC. The above information relates only to the safety of the product designated, based on our current state of knowledge. No responsibility is accepted for any errors or omissions.