



Product Information Data Sheet

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Product Business Center
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Product Name (Chemical Name, Trade Name, etc.)

Ribbon cassette

Ink for Pen and ribbon cassette as the chart recorder's accessories includes chemical substances specified in Japanese domestic law 'Industrial Safety and Health Act'. Please read safety information in the safety data sheet (next page) of parts below for your safety and appropriate use.

Parts No.	Product Name in Safety Data Sheet
B9585SH	Inked Ribbon Cassette YEW 07 (B9585SH / B9585SJ / B9587BD / B9624NG)

The information herein is only provision of information, and it does not represent a guarantee the properties of the product.

Safety Data Sheet

IDENTITY			
Inked Ribbon Cassette B9585SH / B9585SJ / B9587BD / B9624NG			
1. Identification of the substance/mixture and of the supplier			
1.1 Product identifier			
Product name : Inkde Ribbon Cassette YEW 07 (B9585SH / B9585SJ / B9587BD / B9624NG)			
Product description : Black Inked Ribbon Cartridge			
1.2 Relevant identified uses of the substance or mixture and uses advised against			
Material uses : Printing use			
Uses advised against : No additional information available			
1.3 Details of the supplier of the safety data sheet			
Manufacturer : DYNIC Corporation			
Shin-Onarimon Building, 6-17-19, Shimbashi, Minato-ku, Tokyo, Japan			
Tel : +81-3-5402-3137 Fax : +81-3-5402-3149			
1.4 Emergency telephone Number : +81-3-5402-3137			
Supported 08:50 to 17:30 Japan Time, from Monday to Friday except national holidays			
2. Hazards identification			
2.1 Classification of the ink			
Classification according to the Globally Harmonized System(GHS)			
Not determined			
Adverse hpyxicochemical, human health and environmental effects			
No additional information available.			
2.2 Label elements			
Labelling according to the Globally Harmonized System(GHS)			
Hazard pictograms(GHS): Not determined			
Signal word : Not determined			
Hazard ingredients : Carbon Black			
Mineral oil			
Hazard statements : Not determined			
Precautionary statements(GHS):			
P201 - Obtain special instructions before use			
P202 - Do not handle until safety precautions have been read and understood.			
P273 - Avoid release to the environment.			
Supplemental information: No additional information available.			
2.3 Other hazards			
No additional information available.			
3. Composition / information on ingredients			
Substance / mixture : Mixture			
Predominant Components	CAS No.	content rate	Classification according to the Globally Harmonized System(GHS)
1. INK			
Vegetable oil	68554-11-0	20~30%	Not classified
Animal fat oil	8016-28-2	10~20%	Not classified
Mineral oil	8042-47-5	20~30%	Not classified
Surfactant	-	1~ 5%	Not classified
Coloring material	6358-30-1	1~ 5%	Not classified
Coloring material	147-14-8	5~10%	Not classified
Carbon Black	1333-86-4	10~20%	Not classified
2. FABRIC RIBBON			
Polyamide 6,6 fabric	32131-17-2		Not applicable

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3. MOLDING PARTS			
ABS resin	9003-56-9		Not classified
POM resin	30846-29-8		Not classified
NBR rubber	9003-18-3		Not applicable
4. First- aid measures			
4.1 Description of first aid measures			
Inhalation:	Not applicable		
Skin Contact:	Wash away ink on skin with soap and water. If your skin is irritated, consult a doctor.		
Eye Contact:	Flush the eye with enough water. If the eye is inflamed, consult a doctor.		
Ingestion:	Rinse your mouth with water and seek proper treatment.		
4.2 Most important symptoms and effects, both acute and delayed			
No significant reaction of the human body to the product known			
4.3 Indication of any immediate medical attntion and special treatment needed			
Not applicable			
5. Fire-fighting measures			
5.1 Extinguishing media			
Suitable extinguishing media:	Chemical powder , CO2-gas , Water mist, Sand , Form and others.		
Unsuitable extinguishing media:	Not applicable		
5.2 Special hazards arising from the substance or mixture			
No data available.			
5.3 Advice for firefighters			
Fire-fighters should wear self-contained breathing apparatus and full fire-fighting turn-out gear.			
5.4 Measures when the Leakage			
Collect it in immediately			
6. Accidental release measures			
6.1 Personal precautions, protective equipment, and emergency procedures:			
High risk of slipping due to leakage/spillage of ink.			
In case of spilled or leaked ink, sweep or gather up spills and disposal.			
Use proper personal protective equipment as indicated in Section 8.			
6.2 Environmental precautions			
Do not pour into drains or waterways.			
6.3 Methods and materials for containment and cleaning up			
For containment:	Not applicable		
Methods for cleaning up:	If inadvertently released, rewind fabric ribbon. And wipe off a dirty place in ink.		
6.4 Reference to other sections			
See Section 8 for further information on protective clothing and equipment.			
See Section 13 for advice on waste disposal.			
7. Handling and storage			
7.1 Precautions for safe handling			
Precautions for safe handling:			
Keep at room temperature.			
No special, For personal safety, see section 8.			
Hygiene measures:	No information available.		
7.2 Conditions for safe storage, including any incompatibilities			

Storage conditions: Store in cool, dry and dark place.

7.3 Specific end use(s)

Fabric ink ribbon cartridge as the printing use.

8. Exposure controls / personal protection

8.1 Control parameters

Carbon black

UK WEL TWA 3.5mg/m³

USA - OSHA WEL TWA 3.5mg/m³

Mineral Oil

ACGIH WEL TWA 5.0mg/m³

JPN WEL TWA 3.0 mg/m³

8.2 Exposure controls

Appropriate engineering controls: Not applicable

Personal protective equipment:

Hand protection: Gloves if necessary.(Not necessary if used in normal handling conditions.)

Eye protection: None

Skin and body protection: None

Respiratory Protection: None

Environmental exposure controls: None

Other information: None

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:

Polyamide 6,6 fabric impregnated with liquid black ink which was in the cassette.

Color: Black

Odor: Slight odor

Odor threshold: No data available

pH: No data available

Relative evaporation rate (butylacetate=1): No data available

Melting point: No data available

Freezing point: No data available

Boiling point: Above 180°C (356° F)

Flash point: Above 190°C (374° F)

Self ignition temperature: No data available

Decomposition temperature: No data available

Flammability(solid,gas): This product is not crassed as flammable.

(No flammable under normal temperatures and pressures.)

Vapor pressure: No data available

Relative vapor density at 20°C: No data available

Relative density: No data available

Solubility(ies): Solubility in water: None

Log Pow: No data available

Viscosity, kinematic: No data available

Viscosity, dynamic: No data available

Explosive properties: No data available

Oxidising properties: No data available

Explosive limits: No data available

9.2 Other information

No additional information applicable

10. Stability and reactivity
10.1 Reactivity: No dangerous reaction known under conditions of normal use.
10.2 Chemical stability: Stable under normal storage conditions.
10.3 Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.
10.4 Conditions to avoid: High temperature, high humidity, direct sunlight
10.5 Incompatible materials: Not applicable
10.6 Hazardous decomposition products: No dangerous decomposition products occur under normal storage and use conditions.
11. Toxicological information
11.1 Information on Toxicological effects Acute toxicity: No data available Skin corrosion / irritation: No data available Serious eye damage / irritation: No data available Respiratory or skin sensitization: No data available Germ cell mutagenicity: No data available Carcinogenicity: Carbon black; 2.5%-containing in ink, IARC Group 2B Possibility carcinogenic to humans. But it does not exist on state of the powder. Reproductive toxicity: No data available Specific target organ systemic toxicity(Single exposure): No data available Specific target organ systemic toxicity(Repeated exposure): No data available Aspiration hazard: No data available
12. Ecological information
12.1 Toxicity Ecology-general: No information available
12.2 Persistence and degradability: No information available
12.3 Bioaccumulative potential: No information available
12.4 Mobility in soil: No information available
12.5 Results of PBT and vPvB assessment: No information available
12.6 Other adverse effects : Product is insoluble in water.
13. Disposal considerations
13.1 Waste treatment methods Waste disposal recommendations: Disposal and incineration may be subject to local & national regulations. Additional information: Not available

14. Transport information

14.1 UN number:

Not applicable

14.2 UN proper shipping name:

Not regulated

14.3 Transport hazard class(es)

Class: Not applicable

Hazard labels: Not applicable

14.4 Packing group:

Not applicable

14.5 Environmental hazards

Dangerous for the environment: No

Marine pollutant: Not applicable

Other information: No information available

14.6 Special precautions for user: Not applicable

Special transport precautions: Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Not applicable

15. Regulatory information

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

15.1.1 U.S. Regulation

TSCA: All the ingredients are listed on the TSCA inventory.California Prop 65:

This product contains a cause cancer chemicals listed on California prop 65.

15.1.2 National regulations

Complies with following national chemical requirements: DSL, AICS and ENCS.

15.2 Chemical Safety Assessment

No chemical safety assessments have been carried out.

16. Other information

Classification and procedure used to derive the classification for mixtures according to the Globally Harmonized System(GHS):

Data sources: Each materials SDS.

Other information: No information available

This Safety Data Sheet(SDS) is information, and it's not safety guarantee. SDS is based on the data which we are aware of and is believed to be correct as of the prepared date. Therefore the contents of SDS may change with no information, subject to the revision of the related regulations and new concept. In case of handing this products, refer to this SDS and take necessary procedure based on user's responsibility.

Date of Issue

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The END