

PIDRO1BK.  
 PIDRO2BK  
 X5 PIDRO3BK  
 PIDRO5BK  
 PIDRO8BK

MSDS <sup>(1)</sup>  
 MATERIAL SAFETY DATA SHEET  
 SUPPLIERS  
 FOR WAREHOUSERS  
 ENDUSERS

|                                 |
|---------------------------------|
| SW-DR                           |
| Black, Red, Blue,               |
| QUICK IDENTIFIER <sup>(2)</sup> |
| ISO/TC10/SC9/WG7N92             |

SECTION I · GENERAL INFORMATION

|                     |   |                           |                          |
|---------------------|---|---------------------------|--------------------------|
| Manufacturer's Name | PILOT CORPORATION   | Telephone No. (Area Code) | 03-5487-8181             |
| Address             | 8-1, Nishigotanda 2-chome,<br>Shinagawa-ku Tokyo, 141 Japan | Telex No. PILOT J 27443   | Telefax No. 03-5487-8097 |
|                     |   | Date                      | Prepared by              |

SECTION II · HAZARDOUS INGREDIENTS (SPECIFY COMPONENT)

| Hazardous Ingredients (Chemical or common name(s)) <sup>(3)</sup> | CAS No.   | TLV ppm | weight % | Component |
|---|-----------|---------|----------|-----------|
| Carbon black  | 1333-86-4 |         | 0.0~ 8.2 | INK       |
| Ethylene glycol   | 107-21-1  |         | 6.4~ 8.2 | INK       |
| 2-Butoxyethanol   | 111-76-2  |         | 0.4~ 1.5 | INK       |

SECTION III · PHYS. /CHEM. CHARACTERISTICS (SPECIFY COMPONENT)

Appearance and Odor  
 Writing instrument, no smell.

|                       |       |                                    |       |
|-----------------------|-------|------------------------------------|-------|
| Boiling Point °C      | n. a. | Density (g/cm <sup>3</sup> )       | n. a. |
| Vapor Density (Air=1) | n. a. | Melting Point °C                   | n. a. |
| Solubility in Water   | n. a. | Evaporation Rate (Butyl Acetate=1) | n. a. |
| Pressurized           | yes   | % Volatile <sup>(4)</sup>          | n. a. |

Other Characteristics  
 None

SECTION IV · FIRE & EXPLOSION HAZARD DATA

|  |                      |                          |           |           |
|--|----------------------|--------------------------|-----------|-----------|
| Flash Point (Method Used) (°C)           | n. a.                | Explosion Limits (Vol.%) | LEL n. a. | UEL n. a. |
| Extinguishing Media                      | Water, dry chemical. |                          |           |           |
| Special Fire Fighting Precautions        | n. a.                | Autoignition Temp. (°C)  | n. a.     |           |
| List Hazardous Products of Decomposition | n. d.                |                          |           |           |
| Other Advice                             | None                 |                          |           |           |

- IMPORTANT
- Do not leave any blank spaces. If required information is unavailable, unknown, or does not apply, so indicate as follows: not applicable=n.a.; not determined=n.d.
  - Product type and common name (used on Label and List)
  - Cited in any National Regulations on the classification, packaging and labelling of dangerous substances, preparations, paints, varnishes, printing inks, adhesives and similar products.
  - Part of the mixture which evaporates.