

21/

MSDS  
 MATERIAL SAFETY DATA SHEET  
 ENDUSERS  
 FOR SUPPLIERS  
 WAREHOUSERS

G-2 Black  
 (GNB)  
 QUICK IDENTIFIER

SECTION I - GENERAL INFORMATION

|                     |   |               |               |
|---------------------|---|---------------|---------------|
| Manufacturer's Name | PILOT CORPORATION   | Telephone No. | 03-5487-8181  |
| Address             | 8-1, Mishigotanda 2-chome, Shinagawa-ku<br>Tokyo, 141 Japan | Telex No.     | PILOT J 27443 |
|                     |   | Telefax No.   | 03-5487-8097  |
|                     |   | Date          | 6.23.1997     |
|                     |   | Prepared by   | H. Kiyomoto   |

SECTION II - HAZARDOUS INGREDIENTS (SPECIFY COMPONENT)

| Hazardous Ingredients (Chemical or common name(s)) <sup>(1)</sup> | CAS No   | TLV ppm | weight % | Component |
|---|----------|---------|----------|-----------|
| Ethylene glycol   | 107-21-1 | n.d.    | 20.0     | ink       |
|   |          |         |          |           |
|   |          |         |          |           |
|   |          |         |          |           |

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

Appearance and Odor: *Black colored liquid, Less smell*

|                       |   |                                    |             |
|-----------------------|---|------------------------------------|-------------|
| Boiling Point °C      | <i>n.d.</i>   | Density (g/cm <sup>3</sup> )       | <i>n.d.</i> |
| Vapor Density (Air=1) | <i>n.d.</i>   | Melting Point °C                   | <i>n.d.</i> |
| Solubility in Water   | <i>Miscible</i>   | Evaporation Rate (Butyl Acetate=1) | <i>n.d.</i> |
| Stabilized            | yes <input type="checkbox"/> no <input checked="" type="checkbox"/> | % Volatile <sup>(4)</sup>          | <i>n.d.</i> |
| Other Characteristics | <i>n.a.</i>   |                                    |             |

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

|  |             |                          |                 |                 |
|--|-------------|--------------------------|-----------------|-----------------|
| Flash Point (Method Used) (°C)           | <i>n.d.</i> | Explosion Limits (Vol.%) | LEL <i>n.d.</i> | UEL <i>n.d.</i> |
| Extinguishing Media                      | <i>n.d.</i> |                          |                 |                 |
| Special Fire Fighting Precautions        | <i>n.d.</i> | Autoignition Temp. (°C)  | <i>n.d.</i>     |                 |
| Most Hazardous Products of Decomposition | <i>None</i> |                          |                 |                 |
| Other Advice                             | <i>none</i> |                          |                 |                 |

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.

S/a

SECTION V - STORAGE HAZARDS

Stability Unstable  Stable  Conditions to Avoid n.d.

Incompatibility (Materials to Avoid) none

Hazardous Products of Decomposition n.d.

Hazardous Polymerization May Occur  Will Not Occur  Conditions to avoid n.d.

SECTION VI - HEALTH HAZARDS

1. Acute<sup>(1)</sup> n.d. 2. Chronic<sup>(1)</sup> n.d.

Signs and Symptoms<sup>(2)</sup> of Overexposure n.d.

Medical Conditions Generally Aggravated by Exposure n.d.

Chemical Listed as Carcinogen none

Emergency and First Aid Procedures n.d.

| Routes of Entry | Emergency Procedures                            | Seek Medical Advice                 |
|-----------------|---|-------------------------------------|
| Inhalation      | n.a.  | <input type="checkbox"/>            |
| Eyes            | Gently rinse the affected eyes with clean water | <input type="checkbox"/>            |
| Skin            | Gently rinse the affected skin with clean water | <input type="checkbox"/>            |
| Ingestion       | Rinse mouth with water                          | <input checked="" type="checkbox"/> |

SECTION VII - SPECIAL PRECAUTIONS

Special Precautions to be Taken during handling avoid ingestion

Other precautions none

Steps to be Taken in Case Material is Released or Spilled Soak up with absorbent materials, flush with water.

Waste Disposal methods

SECTION VIII - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection (Specify Type) not required

Ventilation Local Exhaust not required Mechanical (General) not required Other not required

Skin and Eye Protection not required

Work/Hygiene Practices not required

5) LD<sub>50</sub> shall be noted if known

not applicable = n.a.

6) Health hazard by ingestion or inhalation shall be noted if known

not determined = n.d.