

MATERIAL SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

- BLACK LEAD NAMES ; PL -ENO , PPL-
- NAME OF MANUFACTURER ; THE PILOT PRECISION CO.,LTD
- ADDRESS ; 1667 TAMURA HIRATSUKA-CITY,KANAGAWA,JAPAN 254-0013
- TELEPHON NUMBER ; +81-463-55-1230
- FAX NUMBER ; +81-463-55-1392

2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTS	CAS No.	weight %
1.GRAPHITE	7782-42-5	80%
2.SILICONE OIL	63148-62-9	20%
HAZARDOUS COMPONENT		
No hazardous materials present		

3. HAZARDS IDENTIFICATION

HAZARDS CLASSIFICATION: None

FIRE AND EXPLOSION : Not considered flammable nor combustible.

POTENTIAL HEALTH EFFECT :

SKIN contact ; May cause slight skin irritation, but no significant effect.

EYES contact ; May cause slight eyes irritation.

4. FIRST-AID MEASURES

- EYE CONTACT ; Immediately flush with water for at least 15 minutes.
- SKIN CONTACT ; Remove product from skin with cloth or towel, and wash exposed area with detergent.
- INGESTION ; Wash out mouth with water. Call a physician immediately.

5. FIRE-FIGHTING MEASURES

FLASH POINT(Open cup method) : 260 degree C (OIL)

Not applicable (GRAPHITE)

FLAMMABLE LIMITS : LOWER : Not measured UPPER : Not measured(OIL)

Not applicable (GRAPHITE)

EXTINGUISH MEDIA : Foam, dry chemical, or carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURE : Not required

UNUSUAL FIRE EXPLOSION HAZARD : None

6. ACCIDENTAL RELEASE MEASURES

STEP TO BE TAKEN IN MATERIAL IS RELEASED OR SPILLED:

;To remove the black lead by vacuum suction.

7. HANDLING & STORAGE**• HANDLING**

; Avoid rough handling.

Follow the local law and regulations in your country.

• STORAGE**BLACK LEAD**

; Follow the local law and regulations in your country.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

- EYE PROTECTION ; Not required.
- HAND PROTECTION ; Not required.
- SKIN AND BODY PROTECTION ; Not required.

9. PHYSICAL & CHEMICAL PROPERTIES

- PHYSICAL STATE , FORM ; solid, stick
- COLOR ; Black
- ODOR ; Odorless
- BOILING POINT ; Not applicable
- EXPLOSIVE PROPERTIES ; Not determined
- DENSITY ; about 1.5
- SOLUBILITY IN WATER ; Insoluble

10. STABILITY & REACTIVITY**• STABILITY**

- REACTIVITY WITH WATER ; Stable
- OXIDIZIBILITY ; Stable
- SELF-REACTIVITY ; Stable

11. TOXICOLOGICAL INFORMATION

; None

12. ECOLOGICAL INFORMATION

- DEGRADABILITY ; Not available
- BIOACCUMULATION ; Not available
- ECOTOXICITY ; Not available

13. DISPOSAL CONSIDERATION

; Follow all regulations in your country.

14. TRANSPORT INFORMATION

; Follow all regulations in your country.

- UN CLASS ; Not applicable
- UN No. ; Not applicable

15. REGULATORY INFORMATION

; Follow all regulations in your country.

16. OTHER INFORMATION

The information here is given in good faith.

THE PILOT PRECISION CO.,LTD provides no warranties, either express or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein.

Final determination of suitability of any material is the sole responsibility of the user.

17. REFERENCE

MSDS OF GRAPHITE

MSDS OF SILICONE OIL