



PHOENIX BRAKE FLUID

1. Product Name and Company Details

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| Company Name: | Phoenix Petroleum Philippines Incorporated |
| Head Office: | Phoenix Bulk Depot, Lanang, Davao City, 8000 |
| Taguig Office: | 25 th Flr. Fort Legend Towers 3 rd Ave. cor. 31 st St. Fort Bonifacio Global City, Taguig City, 1634, Philippines |
| Product Name: | BRAKE FLUID |
| Chemical Family: | Petroleum Hydrocarbon |
| Product Classification: | Brake Fluid |
| Product Description: | DOT 3 |
| Emergency Number: | +63 (2) 4034013, +63 (2) 4034025 |

2. Composition / Information on Ingredients

2-(2-(2-Butoxyethoxy(ethoxy)Ethanol 30-60%
2,2-Oxybisethanol 10-30%

3. Hazard Identification

Warning Statement: Risk of serious damage to eyes
Harmful if swallowed

4. First Aid Measures

General Information: Remove victim immediately from source of exposure. Place unconscious person on the recovery position and ensure breathing can take place. Keep the affected person warm and at rest. Get prompt medical attention.

Eye Contact: Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids.

Skin Contact: Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

Inhalation: Move the exposed person to fresh air at once.

Ingestion: Do not induce vomiting. Never make an unconscious person vomit or drink fluids. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Drink plenty of water. Get medical attention immediately.

5. Fire Fighting Measures

Extinguishing Media: Small Fires- Use carbon dioxide, dry chemicals, sand, dolomite
Larger fires- Fire can be extinguished using alcohol resistant foam.

Special Firefighting: Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources.

Procedures: Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.



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6. Accidental Release Measures

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| Personal Precautions: | Avoid inhalation of vapours and aerosol spray. Avoid contact with skin and eyes. |
| Environmental Spills: | Protect drains by covering to avoid any spillage entering the drainage system. |
| Clean up Methods: | Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers. Do not contaminate water sources of sewer. |

7. Handling and Storage

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| Usage Precautions: | Avoid spilling, skin and eye contact. |
| Storage Precautions: | Store in tightly closed original container in a cool, dry well-ventilated place |

8. Special Protection Information

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| Engineering Measures: | Provide adequate general and local exhaust ventilation. |
| Respiratory Equipment: | No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists. |
| Hand Protection: | Use suitable protective gloves if risk of skin contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. |
| Eye Protection: | Wear approved safety goggles. |
| Hygiene Measures: | Wash suitable protective clothing as a protection against splashing or contamination. Do not smoke in the area. Wash properly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. |

9. Physical and Chemical Properties

Typical physical and chemical properties are given below. Consult the supplier in section 1 for additional data.

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| Physical State at 20°C | Liquid |
| Water Solubility | Soluble |
| Boiling Point at 760 mmHg, °C | 235 |
| Appearance/Odor | Light or pale yellow liquid/ mild or faint |
| Auto-ignition Temperature, °C | 304 |
| Melting Point, °C | <-50 |
| Flash Point (closed cup), °C | 111 |

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**10. Stability and Reactivity**

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| Stability: | No particular stability concerns. |
| Materials to avoid: | Heat, sparks, flames |
| Hazardous decomposition product: | During fire, toxic gases (CO, CO ₂) are formed. |

11. Toxicological Information

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| Toxic Dose 1- LD 50: | 5300 mg/kg (oral rat) |
| Toxicological Information: | No data available. |

12. Ecological Information

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| Ecotoxicity: | Not regarded as dangerous for the environment. |
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13. Disposal Consideration

This material must be disposed of via authorized waste / disposal company in accordance with local and/or national waste disposal regulations.

14. Transport Regulation

This product is not covered by international regulation on the transport of dangerous good (IMDG, IATA, ADR/RID).

15. Regulatory Information

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| Risk Phrases: | (R41) Risk of serious damage to eyes |
| Safety Phrases: | (S25) Avoid contact with eyes (S26) In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S39) Wear eye / face protection (S60) This material and its container must be disposed of as hazardous waste |

16. Other Information

No specific notes on this product

However, no representation, warranty or guarantee is more as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

REV.3 effective April, 2018