

MATERIAL SAFETY DATA SHEET

STATEMENT OF HAZARDOUS NATURE

Not classified as hazardous according to the criteria of Worksafe Australia.

COMPANY DETAILS

COMPANY: Anglo Design A.C.N. 002 695 838
ADDRESS: 2 Beaumont Rd Mt Kuringai NSW 2080
TELEPHONE NUMBER: 02 9457 8566
EMERGENCY TELEPHONE NUMBER: 02 9457 8566 B.H.

IDENTIFICATION

PRODUCT NAME: Hydraulic ZF
OTHER NAMES: Hydraulic ZF 5
Hydraulic ZF 32 Hydraulic ZF 46
Hydraulic ZF 68 Hydraulic ZF 100
Hydraulic ZF 150 Hydraulic ZF 220

MANUFACTURER'S PRODUCT CODE:

UN NUMBER: Not applicable.
HAZCHEM CODE: Not applicable.
DANGEROUS GOODS
CLASS/SUBSIDIARY RISK: Not applicable.
POISONS SCHEDULE NUMBER: Not applicable.

USE Oil for use in hydraulic systems.

PHYSICAL DESCRIPTION/PROPERTIES

APPEARANCE: Clear amber free flowing liquid, floats on water. Mineral oil smell.
BOILING POINT: Not available.
MELTING POINT: Not available.
VAPOUR PRESSURE (kPa): Negligible.
SPECIFIC GRAVITY: 0.88-0.92
FLASHPOINT (°C): >100
LOWER EXPLOSIVE LIMIT (%): Not available.
SOLUBILITY IN WATER (g/L): Immiscible.
UPPER EXPLOSIVE LIMIT (%): Not available.

OTHER PROPERTIES None available.

INGREDIENTS

| NAME | CAS RN | % |
|--|--------|------|
| Severely refined hydrocarbon oil as Mineral oil | none | >99 |
| Corrosion inhibitors, antioxidants & unregulated performance enhancers | | 1-10 |

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HEALTH HAZARD INFORMATION

HEALTH EFFECTS

| | | |
|-------------------|-----------------------|---|
| <i>ACUTE</i> | SWALLOWED: | May cause irritation to the mouth, throat and digestive tract. |
| | EYE: | May cause slight to moderate irritation to the eyes. |
| | SKIN: | Mildly irritating to the skin. |
| | INHALED: | Inhalation of vapours or mist (generated at elevated temperatures) may cause irritation to the nose, throat and upper respiratory tract. |
| <i>CHRONIC:</i> | | Prolonged or repeated skin contact may cause irritation. |
| FIRST AID | SWALLOWED: | Do NOT induce vomiting. If conscious, wash out mouth with water and seek medical advice. |
| | EYE: | Wash with copious amounts of water for 15 minutes, holding eye open and seek medical aid if irritation develops or persists. |
| | SKIN: | Remove contaminated clothing and launder before re-use. Wash skin thoroughly with plenty of soap and water. Seek medical advise if irritation develops. |
| | INHALED: | Remove person from exposed area to fresh air and seek medical aid. If not breathing, apply artificial respiration and seek urgent medical aid. |
| | FIRST AID FACILITIES: | Eye wash fountains and safety showers are recommended. |
| ADVICE TO DOCTOR: | | Treat symptomatically. |

PRECAUTIONS FOR USE

| | |
|-----------------------|---|
| EXPOSURE STANDARDS: | Time Weighted Average (TWA): 5 mg/m ³ (oil mist). Short Term Exposure Limit (STEL): 10 mg/m ³ (oil mist). |
| ENGINEERING CONTROLS: | Special ventilation is not normally required. However, in the operation of certain equipment or at elevated temperatures mists or vapour may be generated and exhaust ventilation should be provided to maintain airborne concentration levels below the exposure standard. |

PERSONAL PROTECTION

| | |
|---------------------------|--|
| RESPIRATOR TYPE (AS1716): | During routine operation a respirator is not required. If mists or vapours are generated, an approved organic vapour/particulate respirator is required. |
| GLOVE TYPE: | PVC or Nitrile gloves. |
| EYE PROTECTION: | Safety glasses or goggles are recommended to avoid eye contact. |

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PRECAUTIONS FOR USE cont'd

CLOTHING: During normal operating procedures, long sleeved clothing is recommended to provide skin protection. Soiled clothing should be washed with detergent prior to re-use.

FLAMMABILITY

FIRE HAZARDS: Not flammable under conditions of use. Is a combustible liquid that will burn if preheated.

SOURCES OF IGNITION ADVICE: Not applicable.

HAZCHEM CODE: Not applicable.

SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT: Store in a cool, well ventilated area away from ignition sources, oxidising agents, foodstuffs and clothing. Keep containers closed when not in use.

SPILLS AND DISPOSAL: Extinguish or remove all sources of ignition and stop leak if safe to do so. Contain the spill and absorb with sand or earth. Place used absorbent in suitable sealed containers and follow state or local regulations for the disposal of the waste. Clean area with soap and water. Do not allow product to enter drains, sewers or water courses - inform local authorities if this occurs.

FIRE/EXPLOSION HAZARD

HAZARDS OF USE/STORAGE: This product is combustible.

LIST OF DANGEROUS DECOMPOSITION OR COMBUSTION PRODUCTS: Combustion products include carbon monoxide and dioxide, smoke and fumes.

FIRE-FIGHTING RECOMMENDATIONS: Keep storage tanks, pipelines, fire exposed surfaces, etc. cool with water spray.

TYPES OF EXTINGUISHER/
FIRE-FIGHTING AGENTS: Use foam, carbon dioxide or dry chemical.

PRECAUTION: Water may cause splattering.

PROTECTIVE CLOTHING: Self-contained breathing apparatus is recommended during a fire.

REACTIVITY: Reacts with strong oxidising agents.

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OTHER INFORMATION

Long term animal experiments have shown that any health risks are associated with the level of aromatic and polycyclic constituents in the product. These constituents are removed during the manufacturing process to a level at which no health risks are expected as a result of normal handling.

CONTACT POINT

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All information contained in this Material Safety Data Sheet and the health, safety and environmental information are considered to be accurate to the best of our knowledge as of the issue date specified above. However, no warranty or representation, expressed or implied, is made as to the accuracy or completeness of the data and information contained in this data sheet.

Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The Company accepts no responsibility for any injury, loss or damage, resulting from abnormal use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material.