



# MATERIAL SAFETY DATA SHEET

## **SECTION 1 : IDENTIFICATION OF THE MATERIAL & SUPPLIER**

**PRODUCT NAME: ZEAL QUICK BRAKE FLUID - DOT 4**

**APPLICATION: Hydraulic brake and clutch fluid**

### **Company Identification**

ZEAL MIDDLE EAST GENERAL TRADING LLC.

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DUBAI

UAE

## **SECTION 2: HAZARDS IDENTIFICATION**

This product is not classified as hazardous under the criteria of NOHSC

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code for transport by Rail and Road

**HAZARD CLASSIFICATION : NONE**

RISK PHRASE(S)

SAFETY PHRASE(S)

### **WARNING**

HEALTH Handle material in accordance with good industrial hygiene and safety practices

ENVIRONMENT Dispose in accordance with local environmental laws

## **SECTION 3 :COMPOSITION / INFORMATION ON INGREDIENTS**

<b>COMPONENTS</b>	<b>PROPOTION HAZARD</b>
Glycol Ether	60-100%
Additives	Balance

## **SECTION 4 : FIRST AID MEASURES**

**INHALATION:** Remove to fresh air. Seek immediate medical attention if symptoms appear.



**SKIN CONTACT** :Wash exposed area with soap and water. Remove contaminated clothing. Seek medical

attention if irritation develops.

**EYE CONTACT**: Flush with large amounts of water for 15 minutes, keep eyelids open. Seek medical attention if irritation occurs.

**INGESTION**: Do not induce vomiting. Seek medical attention.

### **SECTION 5: FIRE FIGHTING MEASURES**

**EXTINGUISHING MEDIA**: Foam, dry chemical, carbon dioxide or water fog. Do not use water jet.

**PROTECTION OF FIREFIGHTERS** :Use respiratory protection.

**HAZCHEM CODE** : NOT AVAILABLE

### **HAZARDOUS DECOMPOSITION**

**PRODUCTS** :Toxic fumes may be evolved during combustion

### **SECTION 6 ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS**: Wear suitable personal protective clothing.

**ENVIRONMENTAL PRECAUTIONS** :Do not allow material to enter drains or sewers.

**METHODS FOR CLEANING** :UP Wear suitable personal protective clothing. Removal all sources of ignition. Soak up with inert absorbent. Store in closed metal container until ready for disposal. Consult

EPA for disposal advice.

### **SECTION 7 : HANDLING AND STORAGE**

#### **HANDLING**

**TECHNICAL MEASURES** Wear suitable personal protective clothing. Removal all sources of ignition. Avoid prolonged contact with skin. Work in well ventilated areas only.

**PRECAUTIONS AND ADVICE** :Wash thoroughly after handling.

#### **STORAGE**

**TECHNICAL MEASURES** :Keep container tightly closed. Store in cool well-ventilated place.

**STORAGE CONDITIONS:** Do not store above 46oC. Classified as combustible liquid class C1

## **SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

**NATIONAL EXPOSURE STANDARDS** :See section 3 for component exposure standards

**BIOLOGICAL LIMIT VALUES NOT ESTABLISHED**

### **ENGINEERING CONTROLS**

Local exhaust ventilation is recommended where general ventilation is insufficient to control vapour and mist.

**PERSONAL PROTECTIVE EQUIPMENT** :GLOVES Protective gloves recommended

**EYE PROTECTION:** Safety glasses with side shields or goggles

**VENTILATION** :Local exhaust ventilation may be required

### **OTHER EQUIPMENT**

Respiratory protection may be required if there is a potential to exceed the exposure limit.

**WORK HYGIENE** :Wash thoroughly after handling before eating, drinking or smoking

## **SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Amber Liquid
<b>Odour</b>	Mild
<b>pH</b>	7 - 11
<b>Vapour Pressure</b>	0.008 kpa ( 0.06 mmhg)
<b>Vapour Density</b>	NOT AVAILABLE
<b>Boiling point/range</b>	79 – 81oC
<b>Freezing Point</b>	NOT AVAILABLE
<b>Solubility</b>	Soluble in water
<b>Specific Gravity or Density</b>	1.07 – 1.15 @15.6C/15.6
<b>Information on Flammability</b>	
<b>Flash Point</b>	121°C
<b>Equilibrium reflux boiling Point</b>	240°C MIN
<b>Wet Equilibrium reflux boiling Point</b>	160°C MIN
<b>Additional Information</b>	
<b>Specific Heat Value</b>	NOT ESTABLISHED
<b>Particle Size</b>	NOT AVAILABLE
<b>VOC Content</b>	NOT AVAILABLE
<b>Evaporation Rate</b>	NOT AVAILABLE
<b>Viscosity</b>	12 cst @ 40oC
<b>Percent volatile</b>	NOT AVAILABLE
<b>n-Octanol / Water Partition Coefficient</b>	NOT AVAILABLE

Saturated vapour concentration	NOT AVAILABLE
Additional applicable Characteristics	NONE
Flame Propagation	NOT APPLICABLE
Other Properties that may contribute to the intensity of a fire	NOT AVAILABLE
Potential for Dust Explosion	NONE
Reactions that release flammable gases or vapours	NOT AVAILABLE
Fast or intensely burning characteristics	NOT AVAILABLE
Non-flammables that could contribute unusual hazards to a fire	NOT AVAILABLE
Release of invisible flammable vapours and gases.	NOT AVAILABLE
Decomposition temperature	NOT AVAILABLE

## **SECTION 10 STABILITY AND REACTIVITY**

**CHEMICAL STABILITY** :NORMALLY STABLE

**CONDITIONS TO AVOID** :EXCESSIVE HEAT, SOURCES OF IGNITION AND OXIDISING COMPOUNDS

**INCOMPATIBLE MATERIALS**: REACTIVE WITH OXIDISING COMPOUNDS

**HAZARDOUS DECOMPOSITION** :PRODUCTS CARBON MONOXIDE ,CARBON DIOXIDE

**HAZARDOUS REACTIONS** : NOT AVAILABLE

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **Carcinogenic effects:**

No component of this product at levels greater than or equal to 0.1% is identified as a carcinogen by ACGIH, International Agency for Research on Cancer (IARC), European Commission (EC) or The National Occupational Health and Safety Commission (NOHSC). No other information regarding other effects or exposures (other than those in section 3).

## **SECTION 12 :ECOLOGICAL INFORMATION**

NO INFORMATION AVAILABLE

## **SECTION 13 : DISPOSAL CONSIDERATIONS**

**WASTE FROM RESIDUES** :DISPOSE OF AS PER FEDERAL, STATE AND /OR LOCAL REGULATIONS.

**CONTAMINATED PACKAGING**: NO AVAILABLE INFORMATION

## **SECTION 14 : TRANSPORT INFORMATION**

**PROPER SHIPPING NAME** : NOT AVAILABLE

**DANGEROUS GOODS CLASS** :NOT AVAILABLE

**UN NUMBER** : NOT AVAILABLE

**HAZCHEM CODE** : NOT AVAILABLE

**PACKING GROUP** :NOT AVAILABLE

**SPECIAL PRECAUTIONS FOR USE** : Item is classified as a C1 Combustible Material

**INTERNATIONAL AIR TRANSPORTATION** : NOT AVAILABLE

**INTERNATIONAL WATER TRANSPORTATION** : NOT AVAILABLE

## **SECTION 15 : REGULATORY INFORMATION**

All product ingredients listed on this MSDS are available on the Hazardous Substances Information System (HSIS) website.

## **SECTION 16 : OTHER INFORMATION**

### **KEY / LEGEND**

NES : National Exposure Standard

TWA : Time-weighted average

STEL :Short-term exposure limit

C : Ceiling limit

mg/m<sup>3</sup> :Milligrams per meter cubed

ppm: Parts per million

The following sections contain revisions OR NEW statements: NOT AVAILABLE

### **DISCLAIMER**

While every effort has been made to ensure the accuracy of the information, the information is based on data believed by FMP Group (Australia) Pty. Ltd. to be accurate at the time of writing this Material Safety Data Sheet, but is subject to change without notice. Exact formulations are



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