



MATERIAL SAFETY DATA SHEET

ZF-LIFEGUARDFLUID 7

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	ZF-Lifeguardfluid 7
Product Code	-
Other Names	-
Product Use	Lubricant
Supplier Name	ZF Services Australia Pty Ltd
Address	14 Lidco Street Arndell Park NSW 2148
Telephone Number	61 2 9679 5555
Emergency Telephone	0409 103 263

2. HAZARDS IDENTIFICATION

NON HAZARDOUS SUBSTANCE. NON DANGEROUS GOODS.

Not classified as hazardous according to the criteria of Safe Work Australia.

Hazards	-
Risk Phrases	-
Safety Phrases	-

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient (common name)	CAS Number	Proportion
Mixture containing severely refined base oils and additives	Proprietary	100%

4. FIRST AID MEASURES

Inhalation	If inhaled, remove to fresh air. Seek medical attention if symptoms occur.
Ingestion	Never give anything by mouth to an unconscious person. Seek immediate medical attention.
Skin	If skin or hair contact occurs, immediately remove contaminated clothing and wash skin and hair thoroughly with soap and plenty of water. Seek medical attention if symptoms occur. Wash contaminated clothing and other protective equipment before storage or re-use. Do not carry cleaning cloths impregnated with the product in trouser pockets.
Eyes	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all



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contaminants are washed out completely. Seek medical attention.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

For major fires call the Fire Brigade. Ensure that an escape path is available from any fire.

Water spray, water mist, dry powder, carbon dioxide or alcohol-resistant foam.

**Hazardous Combustion Products
Firefighting Equipment**

Unsuitable Extinguishing Media - High volume water jet.

Build-up of dangerous/toxic fumes possible in cases of fire/high temperature.

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

**Unusual Fire or
Explosion Hazards
Hazchem Code**

Product is not explosive. Product is not self-igniting.

Not allocated.

6. ACCIDENTAL RELEASE MEASURES

Spills

In the event of a major spill, prevent spillage from entering drains or water courses. Avoid subsoil penetration.

Wear full protective clothing including eye/face protection and impervious elbow-length gloves. Evacuate general area and deny access to unnecessary and unprotected personnel. Ventilate area of leak or spill (especially in confined areas).

Stop leak if safe to do so and contain spill. Absorb with an inert material (diatomaceous earth, vermiculite, sand, earth). Collect the material and place into clearly labeled containers for subsequent disposal.

Note: Contaminated surfaces will be extremely slippery. Avoid accidents, clean up immediately.

7. HANDLING AND STORAGE

Handling

Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Provide adequate ventilation. Avoid formation of aerosol. Do not heat up to temperatures close to the flash point.

Avoid close or long term contact with the skin. Use skin protection cream for preventive skin protection. Do not carry cleaning cloths impregnated with the product in trouser pockets.

Storage

Store in a cool, dry, well-ventilated area. Keep in properly labelled containers. Keep containers tightly closed when not in use. Protect from heat.



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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards (Safe Work Australia)	No exposure standards set.
Engineering Controls	Local exhaust ventilation is recommended when vapours can be released in excess of established airborne exposure limits.
Respiratory Protection	Not required except in case of aerosol formation. See Australian Standards AS/NZS 1715 and 1716 for more information.
Eye Protection	Safety glasses with top and side shields. See Australian Standards AS 1336 and AS/NZS 1337 for more information.
Skin Protection	Nitrile rubber or neoprene gloves and suitable protective work wear. Butyl rubber or natural rubber gloves are not suitable. See Australian Standards AS 2161 and 2919 and AS/NZS 2210 for more information.
Hygienic Practices	Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Red liquid
Odour	Characteristic odour
Solubility in Water	Not miscible or difficult to mix
Boiling Point	Not determined
Melting Point	Not determined
Evaporation Rate (Air=1)	No information available
Vapour Pressure (kPa)	No information available
Relative Vapour Density (Air=1)	No information available
Bulk Density (g/cm³)	0.85 @ 15°C (DIN 51 757)
Flash Point	200°C (EN ISO 2592)
Flammable Limit – Lower	No information available
Flammable Limit – Upper	No information available
Viscosity, kinematic	7 mm ² /s @ 40°C (DIN 51 562)

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of storage and handling.
Incompatible Materials	None known.
Hazardous Decomposition Products	No dangerous decomposition products known.
Hazardous Polymerization Conditions to Avoid	Will not occur. Extreme temperatures.



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11. TOXICOLOGICAL INFORMATION

Routes of Exposure	Inhalation, ingestion, eye and skin
Acute Health Effects	When used and handled according to specifications, the product does not have any harmful effects. Inhalation: No adverse effects expected. Ingestion: No adverse effects expected. Eye: No adverse effects expected. Skin: No adverse effects expected.
Chronic Health Effects	None known.
Existing Conditions	No information available.
Aggravated by Exposure	
Carcinogenicity	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Do not discharge this material into waterways, drains and sewers.
Mobility	No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods and containers	Dispose according to applicable local and state government regulations.
Special precautions for landfill or incineration	Please consult your state Land Waste Management Authority for more information

14. TRANSPORT INFORMATION

Not classified as a dangerous good according to the Australian Code for the Transport of Dangerous goods by road or rail.

UN Number	Not applicable
Proper Shipping Name	Not applicable
Dangerous Goods Class	Not applicable
Hazchem Code	Not applicable
Packing Group	Not applicable
Special Precautions	Not applicable

15. REGULATORY INFORMATION

No additional information.



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16. OTHER INFORMATION

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Prepared by MSDS.COM.AU Pty Ltd www.msds.com.au
Abbreviations Used IARC: International Agency for Research on Cancer
NTP: National Toxicology Program (U.S.)
OSHA: Occupational Safety and Health Administration (U.S.)
STEL: Short term exposure limit
TWA: Time weighted average

Emergency Contacts

ZF Services Australia Pty Ltd	61 2 9679 5555
ZF Services Australia Pty Ltd – Emergency Number	0409 103 263
Police and Fire Brigade	000
Poisons Information Centre	13 11 26

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Please read instructions / label before using product.

This MSDS is prepared in accord with the Safe Work Australia document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]