

Trade name: ZF-ECOFLUID A LIFE

ZF Aftermarket

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: ZF-ECOFLUID A LIFE

Product code: 0671.072.120 0671.072.130

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture: Transmission oil.

Uses advised against: This product must not be used in applica-

tions other than those listed in Section 1 without first seeking the advice of the

supplier.

1.3 Details of the supplier of the safety data sheet

ZF Friedrichshafen AG ZF Aftermarket Obere Weiden 12 97424 Schweinfurt Germany +49 9721 475 60 www.zf.com/contact

1.4 Details of Australian Importer/Supplier

ZF Services Pty Limited 14 Lidco Street Arndell Park NSW 2159 +61 2 9679 5555

1.5 Emergency telephone number 24/7h Emergency telephone number:

Australia ZF 24/7: Tel (+1) 300 938 324 (in English)

International GBK-EMETEL: Tel (+1) 352 323 3500 (in English)

+49 (0)89 19240 Information in German and English

2. Hazards identification

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2.1 GHS Classification

Skin sensitisation, Category 1

2.2 GHS label elements

Hazard pictograms:



Signal word: Warning

Hazard statements

PHYSICAL HAZARDS: Not classified as a physical hazard

according to CLP criteria.

HEALTH HAZARDS: H317 May cause an allergic skin reaction.

ENVIRONMENTAL HAZARDS: Not classified as environmental hazard

according to CLP criteria.

Precautionary statements:

Prevention: P280 Wear protective gloves/ protective

clothing/ eye protection/ face protection.

Response: P302 + P352 IF ON SKIN: Wash with

plenty of water.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

Storage: No precautionary phrases.

Disposal: P501 Dispose of contents/ container to an

approved waste disposal plant.

Hazardous components which must

be listed on the label:

Contains amine phosphate.

2.3 Other hazards which do not result in classification

Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis. Used oil may contain harmful impurities. Not classified as flammable but will burn.

3. Composition/information on ingredients

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Trade name: ZF-ECOFLUID A LIFE

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3.2 Mixtures

Chemical nature Synthetic base oil and additives.

Highly refined mineral oil.

The highly refined mineral oil contains <3% (w/w) DMSO extract, according to IP346.

* contains one or more of the following

CAS-numbers

(REACH registration numbers):

64742-53-6, 64742-54-7, 64742-55-8, 64742-56-9, 64742-65-0, 68037-01-4, 72623-86-0, 72623-87-1, 8042-47-5,

848301-69-9.

Hazardous components

Chemical name	CAS-No.	Classification	Concentration [%]
Long chain alkyl amine thiophosphate	Not Assigned	Skin Irrit.2; H315 Skin Sens.1A; H317 Eye Irrit.2A; H319 Aquatic Chronic3; H412	0,5 - 0,99
Interchangeable low viscosity base oil (<20,5 cSt @40°C) *	Not Assigned	Asp. Tox.1; H304	0 - 90

For explanation of abbreviations see section 16.

4. First aid measures

4.1 Description of first aid measures

Protection of first-aiders: When administering first aid, ensure that

you are wearing the appropriate personal protective equipment according to the incident, injury and surroundings.

Notes to physician: Treat symptomatically

If inhaled:

No treatment necessary under normal con-

ditions of use.

If symptoms persist, obtain medical advice.

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Trade name: ZF-ECOFLUID A LIFE

ZF Aftermarket

In case of skin contact: Remove contaminated clothing. Flush ex-

posed area with water and follow by wash-

ing with soap if available.

If persistent irritation occurs, obtain medi-

cal attention.

In case of eye contact: Flush eye with copious quantities of water.

Remove contact lenses, if present and easy

to do. Continue rinsing.

If persistent irritation occurs, obtain medi-

cal attention.

If swallowed: In general no treatment is necessary unless

large quantities are swallowed, however,

get medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: Skin sensitisation (allergic skin reaction)

signs and symptoms may include itching

and/or a rash.

Oil acne/folliculitis signs and symptoms may include formation of black pustules and spots on the skin of exposed areas. Ingestion may result in nausea, vomiting

and/or diarrhoea.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Foam, water spray or fog. Dry chemical

powder, carbon dioxide, sand or earth may

be used for small fires only.

Unsuitable extinguishing media: Do not use water in a jet.

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting: Hazardous combustion products may in-

clude: A complex mixture of airborne solid

and liquid particulates and gases (smoke). Carbon monoxide may be evolved if incomplete combustion occurs.

Unidentified organic and inorganic

compounds.

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Trade name: ZF-ECOFLUID A LIFE

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5.3 Advice for firefighters

Special protective equipment for fire-

fighters:

Proper protective equipment including chemical resistant gloves are to be worn; chemical resistant suit is indicated if large contact with spilled product is expected. Self-Contained Breathing Apparatus must be worn when approaching a fire in a confined space. Select fire fighter's clothing approved to relevant Standards

(e.g. Europe: EN469).

Specific extinguishing methods: Use extinguishing measures that are ap-

propriate to local circumstances and the

surrounding environment.

Hazchem Code: NONE

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: For non emergency personnel:

Avoid contact with skin and eyes.

Emergency responders: For emergency responders:

Avoid contact with skin and eyes.

6.2 Environmental precautions

Environmental precautions: Use appropriate containment to avoid envi-

ronmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropri-

ate barriers.

Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up: Slippery when spilt. Avoid accidents, clean

up immediately.

Prevent from spreading by making a barrier with sand, earth or other containment ma-

terial.

Reclaim liquid directly or in an absorbent.

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Trade name: ZF-ECOFLUID A LIFE

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Soak up residue with an absorbent such as clay, sand or other suitable material and dispose of properly

6.4 Reference to other sections

For guidance on selection of personal protective equipment see Chapter 8 of this Safety Data Sheet.

For guidance on disposal of spilled material see Chapter 13 of this Safety Data Sheet.

7. Handling and storage

General Precautions: Use local exhaust ventilation if there is risk

of inhalation of vapours, mists or aerosols. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and dis-

posal of this material.

7.1 Precautions for safe handling

Advice on safe handling: Avoid prolonged or repeated contact with

skin.

Avoid inhaling vapour and/or mists.
When handling product in drums, safety footwear should be worn and proper han-

dling equipment should be used.

Properly dispose of any contaminated rags or cleaning materials in order to prevent

fires.

Avoidance of contact: Strong oxidising agents

Product Transfer: This material has the potential to be a

static accumulator.

Proper grounding and bonding procedures should be used during all bulk transfer op-

erations.

7.2 Conditions for safe storage, including any incompatibilities

Other data: Keep container tightly closed and in a cool,

well-ventilated place. Use properly labeled

and closable containers.

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Trade name: ZF-ECOFLUID A LIFE

ZF Aftermarket

Store at ambient temperature.

Refer to section 15 for any additional specific legislation covering the packaging and

storage of this product.

Packaging material: Suitable material: For containers or con-

tainer linings, use mild steel or high density

polyethylene.

Unsuitable material: PVC.

Container Advice: Polyethylene containers should not be ex-

posed to high temperatures because of

possible risk of distortion.

8. Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type	Control pa-	Basis
		(Form of expo-	rameters	
		sure)		
Oil mist, mineral	Not Assigned	TWA (Mist)	5 mg/m³	AU OEL
Oil mist, mineral	Not Assigned	TWA (inhalable	5 mg/m³	US. ACGIH
		fraction)		Threshold
				Limit Values
Oil mist, mineral	Not Assigned	TWA (Mist)	5 mg/m ³	Australia.
				Workplace Ex-
				posure Stand-
				ards for Air-
				borne Con-
				taminants
Oil mist, mineral	Not Assigned	TWA (Mist)	5 mg/m ³	OSHA Z-1
	Not Assigned	TWA (inhalable	5 mg/m³	ACGIH
		fraction)		

Biological occupational exposure limits

No biological limit allocated.

Monitoring Methods

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls.

For some substances biological monitoring may also be appropriate.

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Trade name: ZF-ECOFLUID A LIFE

ZF Aftermarket

Validated exposure measurement methods should be applied by a competent person and samples analysed by an accredited laboratory.

Examples of sources of recommended exposure measurement methods are given below or contact the supplier. Further national methods may be available.

National Institute of Occupational Safety and Health (NIOSH), USA: Manual of Analytical Methods http://www.cdc.gov/niosh/

Occupational Safety and Health Administration (OSHA), USA: Sampling and Analytical Methods http://www.osha.gov/

Health and Safety Executive (HSE), UK: Methods for the Determination of Hazardous Substances http://www.hse.gov.uk/

Institut für Arbeitsschutz Deutschen Gesetzlichen Unfallversicherung (IFA), Germany http://www.dguv.de/inhalt/index.jsp

L'Institut National de Recherche et de Securité, (INRS), France http://www.inrs.fr/accueil

8.2 Exposure controls

Engineering measures

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. Appropriate measures include:

Adequate ventilation to control airborne concentrations.

Where material is heated, sprayed or mist formed, there is greater potential for airborne concentrations to be generated.

General Information:

Define procedures for safe handling and maintenance of controls.

Educate and train workers in the hazards and control measures relevant to normal activities associated with this product.

Ensure appropriate selection, testing and maintenance of equipment used to control exposure, e.g. personal protective equipment, local exhaust ventilation.

Drain down system prior to equipment break-in or maintenance.

Retain drain downs in sealed storage pending disposal or subsequent recycle. Always observe good personal hygiene measures, such as washing hands after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping

Personal protective equipment

Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.

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Trade name: ZF-ECOFLUID A LIFE

ZF Aftermarket

Eye protection:

Wear full face shield if splashes are likely to occur.

Hand protection:

Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374, US: F739) made from the following materials may provide suitable chemical protection. PVC, neoprene or nitrile rubber gloves Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly.

Application of a non-perfumed moisturizer is recommended.

For continuous contact we recommend gloves with breakthrough time of more than 240 minutes with preference for > 480 minutes where suitable gloves can be identified. For short-term/splash protection we recommend the same, but recognize that suitable gloves offering this level of protection may not be available and in this case a lower breakthrough time maybe acceptable so long as appropriate maintenance and replacement regimes are followed. Glove thickness is not a good predictor of glove resistance to a chemical as it is dependent on the exact composition of the glove material. Glove thickness should be typically greater than 0.35 mm depending on the glove make and model

Skin and body protection:

Wear chemical resistant gloves/gauntlets and boots. Where risk of splashing, also wear an apron.

Respiratory protection:

No respiratory protection is ordinarily required under normal conditions of use.



Trade name: ZF-ECOFLUID A LIFE

ZF Aftermarket

In accordance with good industrial hygiene practices, precautions should be taken to avoid breathing of material. If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Select a filter suitable for combined particulate/organic gases and vapours [Type A/Type P boiling point > 65°C (149°F)]

Thermal hazards: Not applicable

Environmental exposure controls

General advice:

Take appropriate measures to fulfill the reguirements of relevant environmental protection legislation. Avoid contamination of the environment by following advice given in Chapter 6. If necessary, prevent undissolved material from being discharged to waste water. Waste water should be treated in a municipal or industrial waste water treatment plant before discharge to surface water. Local guidelines on emission limits for volatile substances must be observed for the discharge of exhaust air containing vapour.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Liquid Colour. amber

Odour Slight hydrocarbon Odour Threshold: Data not available Not applicable :Ha

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Trade name: ZF-ECOFLUID A LIFE

ZF Aftermarket

Pour point	<= -48°C / <= -54°F	ASTM D97
Melting / freezing point	Data not available	
Initial boiling point and boiling range	> 280 °C / 536°F	estimated value(s)
Flash point	240°C / 464°F	EN ISO 2592
Evaporation rate	Data not available	
Flammability (solid, gas)	Data not available	
Upper explosion limit	Typical 10 %(V)	
Lower explosion limit	Typical 1 %(V)	
Vapour pressure	< 0,5 Pa (20 °C)	estimated value(s)
Relative vapour density	> 1 estimated value(s)	
Relative density	0,830 - 0,840 (15°C / 59°F)	
Density	830 - 840 kg/m³ (15°C / 59°F)	ISO 12185
Solubility(ies)		
Water solubility	negligible	
Solubility in other solvents	Data not available	
Partition coefficient: n-octanol/water	Pow: > 6 (based on information on similar products)	
Auto-ignition temperature	> 320°C / 608°F	
Viscosity, dynamic	Data not available	
Viscosity, kinematic	68 mm²/s (40°C / 104°F) 10 mm²/s (100°C / 212°F)	ASTM D445

Revision Date: 15.08.2018



Trade name: ZF-ECOFLUID A LIFE

ZF Aftermarket

Explosive properties	Not classified	
Oxidizing properties	Data not available	

9.2 Other information

Conductivity: This material is not expected to be a static

accumulator.

10. Stability and reactivity

10.1 Reactivity The product does not pose any further re-

activity hazards in addition to those listed

in the following subparagraph.

10.2 Chemical stability: Stable.

10.3 Possibility of hazardous reactions: Reacts with strong oxidising agents.

10.4 Conditions to avoid: Extremes of temperature and direct sun-

light

10.5 Incompatible materials: Strong oxidising agents.

10.6 Hazardous decomposition products: Hazardous decomposition products are not

expected to form during normal storage.

11. Toxicological information

11.1 Information on toxicological effects

Basis for assessment: Information given is based on data on the

components and the toxicology of similar products. Unless indicated otherwise, the data presented is representative of the product as a whole, rather than for individ-

ual component(s).

Information on likely routes of expo-

sure

Skin and eye contact are the primary routes of exposure although exposure may

occur following accidental ingestion.

Acute toxicity

Product:



Trade name: ZF-ECOFLUID A LIFE

ZF Aftermarket

Acute oral toxicity: LD50 rat: > 5.000 mg/kg

Remarks: Low toxicity:

Based on available data, the classification

criteria are not met.

Acute inhalation toxicity: Remarks: Based on available data, the

classification criteria are not met.

Acute dermal toxicity: LD50 Rabbit: > 5.000 mg/kg

Remarks: Low toxicity:

Based on available data, the classification

criteria are not met.

Skin corrosion/irritation

Product:

Remarks: Slightly irritating to skin. Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis. Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation

Product:

Remarks: Slightly irritating to the eye. Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

Product

Remarks: Expected to be a skin sensitizer.

Chronic toxicity

Germ cell mutagenicity

Product:

Remarks: Non mutagenic, Based on available data, the classification criteria are not met.

Carcinogenicity

Product:

Remarks: Not a carcinogen. Based on available data, the classification criteria are not met.

Material	GHS/CLP Carcinogenicity Classification
Long chain alkyl amine thiophosphate	No carcinogenicity classification
Highly refined mineral oil	No carcinogenicity classification

Reproductive toxicity

Product:

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Trade name: ZF-ECOFLUID A LIFE

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Remarks: Not a developmental toxicant. Does not impair fertility. Based on available data, the classification criteria are not met.

STOT - single exposure

Product:

Remarks: Based on available data, the classification criteria are not met.

STOT - repeated exposure

Product:

Remarks: Based on available data, the classification criteria are not met.

Aspiration toxicity

Product:

Not an aspiration hazard.

Further information

Product:

Remarks: Used oils may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and they may present risks to health and the environment on disposal. ALL used oil should be handled with caution and skin contact avoided as far as possible.

Remarks: Slightly irritating to respiratory system.

12. Ecological information

12.1 Toxicity

Basis for assessment: Ecotoxicological data have not been deter-

mined specifically for this product.

Information given is based on a knowledge of the components and the ecotoxicology of similar products. Unless indicated other-

wise, the data presented is

representative of the product as a whole,

rather than for individual component(s).(LL/EL/IL50 expressed as the nominal amount of product required to

prepare aqueous test extract).

12.2 Ecotoxicity

Product: Remarks: LL/EL/IL50 > 100 mg/l

Toxicity to fish (Acute toxicity): Practically non toxic:

Based on available data, the classification

14/19

criteria are not met.

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Trade name: ZF-ECOFLUID A LIFE

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Toxicity to crustacean (Acute toxicity) Remarks: LL/EL/IL50 > 100 mg/l

Practically non toxic:

Based on available data, the classification

criteria are not met.

Toxicity to algae/aquatic plants (Acute

toxicity)

Remarks: LL/EL/IL50 > 100 mg/l

Practically non toxic:

Based on available data, the classification

criteria are not met.

Toxicity to fish (Chronic toxicity) Remarks: Data not available

Toxicity to crustacean (Chronic

toxicity)

Remarks: Data not available

Toxicity to microorganisms

(Acute toxicity)

Remarks: Data not available

12.3 Persistence and degradability

Product:

Biodegradability

Remarks: Not readily biodegradable. Major constituents are inherently biodegradable,

but contains components that may

persist in the environment.

12.4 Bioaccumulative potential

Product:

Bioakkumulation

Remarks: Contains components with the

potential to bioaccumulate.

Partition coefficient: n-octanol/water

Pow: > 6 Remarks: (based on information

on similar products)

12.5 Mobility in soil

Product: Mobility

Remarks: Liquid under most environmental conditions. If it enters soil, it will adsorb to

soil particles and will not be mobile.

Remarks: Floats on water.

12.6 Other adverse effects

no data available

12.7 Other adverse effects

Product:
Additional ecological information

Does not have ozone depletion potential, photochemical ozone creation potential or

global warming potential. Product is a mixture of non-volatile components, which will not be released to air in any sig-

nificant quantities under normal

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Trade name: ZF-ECOFLUID A LIFE

ZF Aftermarket

conditions of use. Poorly soluble mixture. Causes physical fouling of aquatic organisms.

13. Disposal considerations

13.1 Disposal methods

Waste from residues: Recover or recycle if possible.

It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with

applicable regulations.

Do not dispose into the environment, in

drains or in water courses.

Waste product should not be allowed to contaminate soil or ground water, or be

disposed of into the environment.

Waste, spills or used product is dangerous

waste.

Contaminated packaging: Dispose in accordance with prevailing reg-

ulations, preferably to a recognized collector or contractor. The competence of the collector or contractor should be established beforehand. Disposal should be in accordance with applicable regional, national, and local laws and regulations.

Local legislation

Remarks

Disposal should be in accordance with applicable regional, national, and local laws

and regulations.

14 Transport information

14.1 National Regulations

ADR: Not regulated as a dangerous good

14.2 International Regulations

IATA-DGR: Not regulated as a dangerous good IMDG-Code: Not regulated as a dangerous good

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ZF Aftermarket

14.6 Special precautions for user

Remarks:

Special Precautions: Refer to Chapter 7, Handling & Storage, for special precautions which a user needs to be aware of or needs to comply with in connection with transport.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied. MARPOL Annex 1 rules apply for bulk shipments by sea.

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Standard for the Uniform:

No poison schedule number allocated

Scheduling of Medicines and Poisons

Product classified as per Work Health Safety Regulations – Implementation of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) 2012 and SDS prepared as per national model code of practice for preparation of safety data sheet for Hazardous chemicals 2011 based on Globally Harmonized Classification version 3.

National Model Code of Practice for the Labelling of Workplace Hazardous Chemicals (2011).

Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG code). Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP). The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

15.2 Other international regulations

The components of this product are reported in the following inventories:

EINECS/ELINCS/EC: All components listed or polymer exempt.

TSCA: All components listed.

AICS: All components listed.

16. Other information

Full text of H-Statements



Trade name: ZF-ECOFLUID A LIFE

ZF Aftermarket

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Aquatic Chronic Chronic aquatic toxicity

Asp. Tox. Aspiration hazard

Eye Irrit. Eye irritation

Flam. Liq. Flammable liquids

Skin Irrit. Skin irritation
Skin Sens. Skin sensitisation

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR -Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS -Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP -National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT -Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI -Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods;

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Trade name: ZF-ECOFLUID A LIFE

ZF Aftermarket

TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Further information

Training advice Provide adequate information, instruction and

training for operators.

Other information:

A vertical bar (|) in the left margin indicates

an amendment from the previous version.

Sources of key data used to com-

pile the Safety Data Sheet

The quoted data are from, but not limited to, one or more sources of information (e.g. toxicological data from Shell Health Services, material suppliers' data, CONCAWE, EU IUCLID date base, EC 1272 regulation, etc).

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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