

# SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878



ZF Aftermarket

**Trade name: ZF EcoFluid XE**

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

### 1.1 Product identifier

Trade name: ZF EcoFluid XE

Product code: AA02.913.521  
AA02.872.349  
AA02.872.397

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

Identified uses Transmission fluids

### 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](http://www.zf.com/contact)**

### 1.4 Emergency telephone number

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

+49 (0) 89 19 240 Information in German and English

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## 2. Hazards identification

### 2.1 Classification of the substance or mixture

Product definition: Mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified.

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 11 for more detailed information on health effects and symptoms

### 2.2 Label elements

Signal word No signal word

Hazard Statements No known significant effects or critical hazards

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Precautionary Statements	
Prevention	Not applicable
Response	Not applicable
Storage	Not applicable
Disposal	Not applicable
Supplemental label elements	Safety data sheet available on request.

Annex XVII – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Not applicable

### 2.3 Other hazards

This mixture does not contain any substances that are assessed to be a PBT or a vPvB in a concentration  $\geq 0,1$  %.

This product does not contain any substance present at a concentration equal to or greater than 0.1% by mass, included in the list drawn up in accordance with article 59, paragraph 1 of the REACH Regulation, due to its endocrine disrupting properties, or a substance known to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation 2018/605.

Other hazards which do not result in classification Hazard of slipping on spilled product.

## 3. Composition/information on ingredients

### 3.2 Mixtures

Product/ingredient name	Identifiers	% (w/w)	Classification	Specific Conc. Limits, M-factors and ATEs	Type
Distillates (petroleum), hydrotreated heavy paraffinic	REACH #: 01-2119484627-25 EC: 265-157-1 CAS: 64742-54-7 Index: 649-467-00-8	$\leq 10$	Asp. Tox. 1, H304	--	[1]

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Reaction Products of Diphosphorus Pentaoxide with Alcohols, C14-18 even, salted with Amines, C12-14, Tert-alkyl	REACH #: 01-2120120371-74 EC: 943-540-0	<2.5	Skin Sens. 1B, H317 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 2, H411	[1]
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Additional information

Mineral oil of petroleum origin Product containing mineral oil with less than 3% DMSO extract as measured by IP 346 The product is made from synthetic base oils

For the full text of the H-Statements mentioned in this Section, see Section 16.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard

Occupational exposure limits, if available, are listed in Section 8.

## 4. First aid measures

### 4.1 Description of first aid measures

Eye contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact

Wash skin thoroughly with soap and water or use recognized skin cleanser.

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	Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training.

### 4.2 Most important symptoms and effects, both acute and delayed

#### Over-exposure signs/symptoms

<b>Eye contact</b>	No specific data
<b>Inhalation</b>	No specific data
<b>Skin contact</b>	Adverse symptoms may include the following: irritation dryness cracking
<b>Ingestion</b>	No specific data

### 4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	No specific treatment

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## 5. Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media:	Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
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Unsuitable extinguishing media: Do not use water jet.

### 5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture

In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous combustion products

carbon monoxide  
carbon dioxide  
Silicon Dioxide  
hydrogen fluoride  
fluorophosgen  
nitrogen oxides  
phosphorus oxides

### 5.3 Advice for firefighters

Special protective equipment for fire-fighters:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

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## 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

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For emergency responders

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### 6.2 Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.3 Methods and materials for containment and cleaning up

Small spill

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

### 6.4 Reference to other sections

See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

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## 7. Handling and storage

### 7.1 Precautions for safe handling

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Protective measures	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully re-sealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### 7.3 Specific end use(s)

Recommendations	Not available
Industrial sector specific solutions	Not available

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## 8. Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limits	No exposure limit value known
Reportable hazardous constituent(s) contained in UVCB and/or multi-constituent substance(s) complying with the classification criteria and/or with an exposure limit (OEL)	No exposure limit value known
Recommended monitoring procedures	If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to

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use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Advisory OEL

Mineral oil mist: USA: OSHA (PEL) TWA 5 mg/m<sup>3</sup>, NIOSH (REL) TWA 5 mg/m<sup>3</sup>, STEL 10 mg/m<sup>3</sup>, ACGIH (TLV) TWA 5 mg/m<sup>3</sup> (highly refined)

DNELs/DMELs

Product/substance	Type	Exposure	Value	Population	Effects
Distillates (petroleum), hydrotreated heavy paraffinic	DNEL	Long term Oral	0.74 mg/kg bw/day	General Population	Systemic
	DNEL	Long term Dermal	0.97 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	1.19 mg/m <sup>3</sup>	General Population	Local
	DNEL	Long term Inhalation	2.73 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Inhalation	5.58 mg/m <sup>3</sup>	Workers	Local
Reaction Products of Diphosphorus	DNEL	Long term Dermal	0.1998 mg/cm <sup>2</sup>	Workers	Local



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Pentaoxide with Alcohols, C14-18 even, salted with Amines, C12-14, Tert-alkyl	DNEL	Long term Dermal	0.1998 mg/cm <sup>2</sup>	General population	Local
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## PNECs

Product/ingredient name	Compartment Detail	Name	Method Detail
Distillates (petroleum), hydrotreated heavy paraffinic	Secondary Poisoning	9.33 mg/kg	--
Reaction Products of Diphosphorus Pentaoxide with Alcohols, C14-18 even, salted with Amines, C12-14, Tert-alkyl	Fresh water sediment	4.8 mg/kg dwt	--
	Marine water sediment	0.48 mg/kg dwt	--
	Soil	7.09 mg/kg dwt	--
	Sewage Treatment Plant	7.4 mg/l	--
	Fresh water	0.00075 mg/l	--
Marine water	0.00075 mg/l	--	

## 8.2 Exposure controls

Appropriate engineering controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

## Individual protection measures

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing.

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Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

### Eye/face protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. EN 166

### Skin protection

### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Hydrocarbon-proof gloves nitrile rubber  
Fluorinated rubber Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

In case of prolonged contact with the product, it is recommended to wear gloves complying with EN 420 and EN 374 standards, protecting at least for 480 minutes and having a thickness of 0,38 mm at least. These values are indicative only. The level of protection is provided by the material of the glove, its technical characteristics, its resistance to the chemicals to be handled, the appropriateness of its use and its replacement frequency.

### Body protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

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## Other skin protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

## Respiratory protection

None under normal use conditions. If these are not sufficient to maintain exposure below the OEL, suitable respiratory protection must be worn (Type A/P1).

## Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature (20°C / 68°F) and pressure (1013hPa) unless otherwise indicated

### 9.1 Information on basic physical and chemical properties

Appearance	
Physical state	liquid
Colour:	Clear
Odour:	Not available
Odor threshold	Not available
pH:	Not applicable
	Product is non-soluble (in water).

Initial boiling point and boiling range	>316°C	
Melting point/freezing point	Technically not possible to measure	
Flash point	200 °C	Open Cup

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		[ISO 2592]
Evaporation rate	Not available	
Flammability	Not available	
Upper flammability or explosive limits	7%	
Lower flammability or explosive limits	0.9%	
Vapour pressure	<0.013 kPa	
Vapour density	>2 [Air = 1]	
Relative density	0.85	[EN ISO 12185]
Density	0.85 g/cm <sup>3</sup> [15°C]	[EN ISO 12185]
Solubility(ies)	Not soluble in water	
Miscible with water	No	
Partition coefficient: n-octanol/water	Not available	
Autoignition temperature	>200°C	[ASTM E 659]
Decomposition temperature	Not available	
Viscosity, kinematic	70 mm <sup>2</sup> /s (40°C)	[ASTM D 7042]
Explosive properties	Not available	
Oxidizing properties	Not applicable.	
Median particle size	Not applicable.	

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## 9.2 Other information

All relevant data for the use of the product are provided in §9.1

## 10. Stability and reactivity

### 10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients

### 10.2 Chemical stability:

Stable under recommended storage and handling conditions (see Section 7).

### 10.3 Possibility of hazardous reactions:

Under normal conditions of storage and use, hazardous reactions will not occur

### 10.4 Conditions to avoid:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### 10.5 Incompatible materials:

Strong oxidising agents.

### 10.6 Hazardous decomposition products:

carbon monoxide  
carbon dioxide  
Silicon Dioxide  
hydrogen fluoride  
fluorophosgen  
nitrogen oxides  
phosphorus oxides

## 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Product/substance	Result	Species	Dose	Exposure	Test
Distillates (petroleum), hydrotreated heavy paraffinic	LC50 Inhalation Dusts and mists	Rat - Male, Female	>5 mg/l	4 hours	OECD 403 Read across
	LD50 Dermal	Rabbit - Male, Female	>5000 mg/kg		OECD 402 Read across
	LD50 Oral	Rat - Male, Female	>5000 mg/kg		OECD 401 Read across

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Acute toxicity estimates  
N/A

## **Irritation/Corrosion**

Conclusion/Summary  
Skin

Based on available data, the classification criteria are not met

Eyes

Based on available data, the classification criteria are not met

Respiratory

Based on available data, the classification criteria are not met

## **Sensitization**

Conclusion/Summary  
Skin

The supplier of one or more of the components contained within this formulation has indicated that he has data on the components and/or similar mixtures, which confirms that at the concentration used, classification is not required

Respiratory

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

## **Mutagenicity**

Conclusion/Summary

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

## **Carcinogenicity**

Conclusion/Summary

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

## **Reproductive toxicity**

Conclusion/Summary

Based on available data, the classification criteria are not met

## **Teratogenicity**

Conclusion/Summary

Based on available data, the classification criteria are not met

## **Specific target organ toxicity (single exposure)**

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

## **Specific target organ toxicity (repeated exposure)**

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

## **Aspiration hazard**

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Product/substance	Result
Distillates (petroleum), hydrotreated heavy paraffinic	ASPIRATION HAZARD - Category 1

<b>Conclusion/Summary</b>	Based on available data, the classification criteria are not met.
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<b>Information on the likely routes of exposure</b>	Not available
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**Potential acute health effects**

Eye contact	No known significant effects or critical hazards
Inhalation	No known significant effects or critical hazards
Skin contact	Defatting to the skin. May cause skin dryness and irritation
Ingestion	No known significant effects or critical hazards

**Symptoms related to the physical, chemical and toxicological characteristics**

Eye contact	No specific data
Inhalation	No specific data
Skin contact	Adverse symptoms may include the following: irritation dryness cracking
Ingestion	No specific data

**Delayed and immediate effects and also chronic effects from short and long term exposure**

<b>Short term exposure</b>	
Potential immediate effects	Not available
Potential delayed effects	Not available

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Long term exposure	
Potential immediate effects	Not available
Potential delayed effects	Not available
<b>Potential chronic health effects</b>	Not available
Conclusion/Summary	Not available
General	No known significant effects or critical hazards
Carcinogenicity	No known significant effects or critical hazards
Mutagenicity	No known significant effects or critical hazards
Reproductive toxicity	No known significant effects or critical hazards
Other information	Not available

## 12. Ecological information

### 12.1 Toxicity

Product/substance	Result	Species	Exposure	Test
Distillates (petroleum), hydrotreated heavy paraffinic	Acute EC50 >100 mg/l	Algae - Pseudokirchneriella Subcapitata	72 hours	OECD 201
	Acute EC50 >10000 mg/l	Crustaceans - Daphnia Magna	48 hours	OECD 202
	Chronic NOEL >100 mg/l	Algae - Pseudokirchneriella Subcapitata	72 hours	OECD 201
	Chronic NOEL >1000 mg/l	Crustaceans - Daphnia magna	21 days	--
Reaction Products of Diphosphorus Pentaoxide with Alcohols, C14-18 even, salted with Amines, C12-14, Tert-alkyl	Acute EC50 8.3 mg/l	Daphnia - Daphnia magna	48 hours	--



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	Acute NOEC 0.32 mg/l	Algae - Pseudokirchneriella subcapitata	72 hours	--
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## 12.2 Persistence and degradability

Product/substance	Test	Result	Dose	Inoculum
Distillates (petroleum), hydrotreated heavy paraffinic	OECD 301F	31 % - Not readily - 28 days	--	Activated sludge

Conclusion/Summary

Not available

Product/substance	Aquatic half-life	Photolysis	Biodegradability
Distillates (petroleum), hydrotreated heavy paraffinic	--	--	Not readily
Reaction Products of Diphosphorus Pentaoxide with Alcohols, C14-18 even, salted with Amines, C12-14, Tert-alkyl	--	--	Not readily

## 12.3 Bioaccumulative potential

Product/substance	LogKow	BCF	Potential
Distillates (petroleum), hydrotreated heavy paraffinic	>4	--	high

## 12.4 Mobility in soil

Soil/water partition coefficient (KOC) Not available

Mobility Not available

Mobility in soil Given its physical and chemical characteristics, the product generally shows low soil mobility The product is insoluble and floats on water Loss by evaporation is limited

## 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

## 12.6 Other adverse effects

No known significant effects or critical hazards

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### 13. Disposal considerations

#### 13.1 Waste treatment methods

##### Product

Methods of disposal

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste

Yes.  
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific Waste codes should be assigned by the user based on the application for which the product was used. The following Waste Codes are only suggestions: 13 02 05\*

Packaging

Methods of disposal

The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions

This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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### 14. Transport information

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	ADR/RID	ADN	IMDG	ICAO/IATA
14.1 UN number	Not regulated	Not regulated	Not regulated	Not regulated
14.2 UN proper shipping name	--	--	--	--
14.3 Transport hazard class(es)	--	--	--	--
14.4 Packing group	--	--	--	--
14.5 Environmental hazards	No	No	No	No

- 14.6** Special precautions for user      Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
- 14.7** Transport in bulk according to Annex II of MARPOL and the IBC Code      Not available

## 15. Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorization

Annex XIV      None of the components are listed

Substances of very high concern      None of the components are listed

Annex XVII – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles      Not applicable

Other EU regulations

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

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Industrial emissions (integrated pollution prevention and control) – Air	Not listed
Industrial emissions (integrated pollution prevention and control) – Water	Not listed
Ozone depleting substances (1005/2009/EU)	Not listed
Prior Informed Consent (PIC) (649/2012/EU)	Not listed
Persistent Organic Pollutants	Not listed
Seveso Directive	This product is not controlled under the Seveso Directive
National regulations	
Social Security Code, Articles L 461-1 to L 461-7	Mineral oil RG 36 Synthetic oil RG 36
Reinforced medical surveillance	Decree n ° 2012-135 of January 30, 2012 relating to the organization of occupational medicine: not applicable
Other regulations	Art R4412-1 to R4412-57 of the Labor Code relating to the provisions applicable to dangerous chemical agents.
International regulations	
Chemical Weapon Convention List Schedules I, II & III Chemicals	Not listed
Montreal Protocol	Not listed
Stockholm Convention on Persistent Organic Pollutants	Not listed
Rotterdam Convention on Prior Informed Consent (PIC)	Not listed
UNECE Aarhus Protocol on POPs and Heavy Metals	Not listed

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LU - Luxembourg prohibited chemicals in the workplace Inventory list	Not listed
Australia inventory (AICC)	All components are listed or exempted
Canada inventory (DSL/NDSL)	At least one component is not listed.
China inventory (IECSC)	All components are listed, exempted, or notified
Europe inventory (EC)	All components are listed or exempted
Japan inventory	Japan inventory (CSCL): Not determined. Japan inventory (ISHL): Not determined
Japan inventory (ISHL)	Not determined
New Zealand Inventory of Chemicals (NZIoC)	Not determined.
Philippines inventory (PICCS)	At least one component is not listed.
Korea inventory (KECI)	Not determined.
Taiwan Chemical Substances Inventory (TCSI)	All components are listed, exempted, or notified.
Thailand inventory	Not determined
Turkey inventory	Not determined
United States inventory (TSCA 8b)	All components are listed or exempted
Vietnam inventory	Not determined

The information stated in this section relates solely to the conformity of the chemical product with the countries Inventories. The information used to confirm the inventory status of this product may be based on additional data to the chemical composition shown in Section 3. Other regulations may apply for importation or marketing authorizations.

### 15.2 Chemical safety assessment

This product contains substances for which Chemical Safety Assessments are still required.

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## 16. Other information

# SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878



Trade name: ZF EcoFluid XE

ZF Aftermarket

Value	ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DNEL = Derived No Effect Level DMEL = Derived Minimal Effect Level EUH statement = CLP-specific Hazard statement N/A = Not available PBT = Persistent, Bioaccumulative and Toxic vPvB = Very Persistent and Very Bioaccumulative PNEC = Predicted No Effect Concentration LC50 = Median lethal concentration LD50 = Median lethal dose OEL = Occupational Exposure Limit VOC = Volatile Organic Compound UVCB Substance of unknown or Variable composition, Complex reaction products or Biological material NOEC No Observed Effect Concentration QSAR = Quantitative Structure-Activity Relationship
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Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Not classified	--

## Full text of abbreviated H statements

H304	May be fatal if swallowed and enters airways
H317	May cause an allergic skin reaction
H400	Very toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

## Full text of classifications [CLP/GHS]

Aquatic Acute 1	AQUATIC HAZARD (ACUTE) - Category 1
Aquatic Chronic 2	AQUATIC HAZARD (LONG-TERM) - Category 2
Asp. Tox. 1	ASPIRATION HAZARD - Category 1
Skin Sens. 1B	SKIN SENSITIZATION - Category 1B

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution.

## **SAFETY DATA SHEET**

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Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.