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

1.1 Product identifier:

Trade name:	eni Rotra ATF DCT Fluid

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

Sector of use:	
SU22 Professional uses:	Public domain (administration, education, entertainment, services, craftsmen).
SU21	Consumer uses: Private households/general public/consumers
SU3	Industrial uses: Uses of substances as such or in preparations at industrial sites
Product category:	PC24 Lubricants, greases, release products
Process category:	PROC8a Transfer of substance or preparation (charging/discharging) from/to vessels/ large containers at non-dedicated facilities PROC8b Transfer of substance or preparation (charging/discharging) from/to vessels/ large containers at dedicated facilities PROC20 Heat and pressure transfer fluids in dispersive, professional use but closed systems PROC9 Transfer of substance or preparation into small containers (dedicated filling line, including weighing)
Environmental release category:	ERC9a Wide dispersive indoor use of substances in closed systems ERC9b Wide dispersive outdoor use of substances in closed systems ERC4 Industrial use of processing aids in processes and products, not becoming part of articles ERC7 Industrial use of substances in closed systems
Application of the substance/ the preparation:	Transmission oil

1.3 Details of the supplier of the safety data sheet

Manufacturer/supplier:	Eni Schmiertechnik GmbH Paradiesstr. 14, D-97080 Würzburg Tel. (+ 49) 931 - 900 98-0 Fax (+ 49) 931-98442
Advising/Support:	Technical Department, Tel. (+ 49) 931/900 98-145 technik.wuerzburg@agip.de www.enischmiertechnik-datenblaetter.de

Section 2. Hazards identification.

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008:	Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects

2.2 Label elements:

Labelling according to Regulation (EC) No. 1272/2008:	The product is classified and labelled according to the CLP regulation.
Hazard pictograms:	Void
Signal word:	Void
Hazard statements:	H412 – Harmful to aquatic life with long lasting effects
Precautionary statements:	P273 – Avoid release to the environment P501 – Dispose of contents/container in accordance with local/regional/national/ international regulations
Additional information:	EUH208: Contains Ethanol, 2,2'-iminobis-, N-tallow alkylderivs., 2-ethylhexyl methacrylate, C14-18 alpha-olefin epoxide, reaction products with boric acid. May produce an allergic reaction.

2.3 Other hazards:

Results of PBT and vPvB assessment

PBT:	Not applicable.
vPvB:	Not applicable.

Section 3. Composition/information on ingredients.

3.2 Mixtures:

Dangerous components:		
CAS: 72623-86-0 EINECS: 276-737-9 Reg.-No. 01-2119474878-16	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based Asp. Tox. 1, H304	25 – 50%
CAS: 68784-17-8 EINECS: 272-225-4 Reg.-No. 01-2119960832-33	Isooctadecanoic acid, reaction products with tetraethylenepentamine Skin Irrit. 2, H315; Eye Irrit. 2, H319	1 – 2,5%
CAS: 36878-20-3 EINECS: 253-249-4 Reg.-No. 01-2119488911-28	bis(nonylphenyl)amine Aquatic Chronic 4, H413	1 – 2,5%
CAS: 91648-65-6 EINECS: 293-927-7 Reg.-No. 01-2119976351-35	substituted thiadiazol Aquatic Chronic 3, H412	1 – 2,5%
CAS: 61791-44-4 EINECS: 263-177-5	Ethanol, 2,2'-iminobis-, N-tallow alkyderivs. Met. Corr. 1, H290; Skin Corr. 1B, H314; Eye Dam. 1, H318, Aquatic Acute 1, H400; Acute Tox. 4, H302; Skin Sens. 1, H317	0,1 – 1,0%
CAS: 688-84-6 EINECS: 211-708-6 Reg.-No. 01-2119490166-35	2-ethylhexyl methacrylate Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317; STOT SE 3, H335; Aquatic Chronic 3, H412	0,1 – 1,0%
CAS: 122-39-4 EINECS: 204-539-4	Diphenylamine Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; STOT RE 2, H373; Aquatic Acute 1, H400; Aquatic Chronic 1, H410	0,1 – 1,0%
	C14-18 alpha-olefin epoxide, reaction products with boric acid Skin Sens. 1B, H317	0,1 – 1,0%

Additional information: *Contains one or more of the following CAS numbers: 64741-88-4, 64741-89-5, 64741-95-3, 64741-96-4, 64741-97-5, 64742-01-4, 64742-52-5, 64742-53-6, 64742-54-7, 64742-54-7, 64742-56-9, 64742-57-0, 64742-58-1, 64742-62-7, 64742-65-0, 64742-71-8, 68037-01-4, 72623-83-7, 72623-85-9, 72623-86-0, 72623-87-1, 74869-22-0, 8042-47-5, 848301-69-9.

Additional information: For the wording of the listed risk phrases refer to section 16.

Section 4. First aid measures.

4.1 Description of first aid measures:

Inhalation. Supply fresh air; consult doctor in case of complaints.

Skin contact: Generally the product does not irritate the skin.

Eye contact: Rinse opened eye for several minutes under running water.

Swallowing: Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed: No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed: No further relevant information available.

Section 5. Fire fighting measures.

5.1 Extinguishing media:

Suitable extinguishing agents: CO_2, dry chemical or foam. Water can be used to cool and protect exposed material.

For safety reasons unsuitable extinguishing agents: Water with full jet.

5.2 Special hazards arising from the substance or mixture: Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for fire fighters:

Protective equipment: Wear self-contained respiratory protective device. Wear fully protective suit.

Section 6. Accidental release measures.

6.1 Personal precautions, protective equipment and emergency procedures: Wear protective clothing.

6.2 Environmental precautions: Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/surface or ground water.

6.3 Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Remove from the water surface (e. g. skim or suck off).

6.3 Reference to other sections: See section 7 for information on safe handling.
See section 8 for information on personal protection equipment.
See section 13 for disposal information.

Section 7. Handling and storage.

7.1 Precautions for safe handling: Avoid the formation of oil haze.

Information about fire and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities:

Storage:

Requirements to be met by storerooms and receptacles: Store only in the original receptacle.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Store in cool, dry conditions in well-sealed receptacles.

7.3 Specific end use(s): No further relevant information available.

Section 8. Exposure controls/personal protection.

Additional information about design of technical facilities: No further data, see item 7.

8.1 Control parameters:

Ingredients with limit values that require monitoring at the workplace: Contains mineral oil. Under conditions which may generate mist, observe the OSHA-PEL of 5 mg/m³ and ACGIH STEL of 10 mg/m³.

122-39-4 diphenylamine	
WEL	Short-term value: 20 mg/m³ Long-term value: 10 mg/m³

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls:

Personal protective equipment:

General protective and hygienic measures: Wash hands before breaks and at the end of work.

Respiratory protection: Not required.

Protection of hands: Wear gloves for the protection against chemicals according to EN 374.

Oil resistant gloves

Material of gloves:
Nitrile rubber, NBR; PVC gloves, Neoprene gloves.
Recommended thickness of the material: ≥ 0,35 mm
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

	Penetration of the glove material: 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 recognise that suitable gloves offering this level of protection may not be available and in this case a lower breakthrough time may be 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. The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye protection:	Goggles recommended during refilling.
Body protection:	Protective work clothing.

Section 9. Physical and chemical properties.

9.1 Information on basic physical and chemical properties:

General information:	
Appearance:	
Form:	Fluid
Colour:	Clear
Odour:	Characteristic
Change in condition:	
Boiling point/range:	Undetermined
Drip point:	
Pourpoint:	-48°C (ASTM D97)
Flashpoint:	201°C
Flammability (solid, gaseous):	Not applicable
Self-igniting:	Product is not self-igniting
Danger of explosion:	Product does not present an explosion hazard
Explosion limits, lower/upper:	Not determined
Density at 20°C:	0,854 g/cm³
Solubility in/miscibility with water:	Not miscible or difficult to mix
Partition coefficient (n-octanol/water):	Not determined
Viscosity at 40°C:	34 mm²/s
Viscosity at 100°C:	7,0 mm²/s (ASTM D445)
Solvent content:	
Organic solvents:	0,0 %
9.2 Other information:	No further relevant information available

Section 10. Stability and reactivity.

10.1 Reactivity:	No further relevant information available.
10.2 Chemical stability:	
Thermal decomposition / conditions to be avoided:	To avoid thermal decomposition do not overheat.
10.3 Possibility of hazardous reactions:	Reacts with strong oxidizing agents.
10.4 Conditions to avoid:	No further relevant information available.
10.5 Incompatible materials:	No further relevant information available.
10.6 Hazardous decomposition products:	No dangerous decomposition products known.

Section 11. Toxicological information.

11.1 Information on toxicological effects:

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

LD/LC50 values relevant for classification:		
72623-86-0 Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based		
Oral	LD50	> 5.000 mg/kg (Rat) (OECD 401)
Dermal	LD50	> 2.000 mg/kg (Rabbit) (OECD 402)
Inhalative	LC50 (4 h)	> 5,53 mg/l (Rat) (OECD 403)
122-39-4 diphenylamine		
Oral	LD50	1.120 mg/kg (Rat)
Dermal	LD50	300 mg/kg (ATE)
Inhalative	LC50 (4 h)	3 mg/l (ATE)

Primary irritant effect:

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

Sensitisation: For respiratory and skin sensitisation: Not expected to be a sensitizer.

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction): Product contains mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

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

STOT single exposure: Based on available data, the classification criteria are not met.

STOT repeated exposure: Based on available data, the classification criteria are not met.

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

Section 12. Ecological information.

12.1 Toxicity:

Aquatic toxicity:	
72623-86-0 Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	
LL/EL/IL50	> 100 mg/l (Fish)
122-39-4 diphenylamine	
LC50 (48 h)	1.100 mg/l (Fish)

12.2 Persistence and degradability: No further relevant information available.

12.3 Bioaccumulative potential: No further relevant information available.

12.4 Mobility in soil: No further relevant information available.

Ecotoxical effects:

Remark: Harmful to fish.

Remark: This material is expected to be harmful to aquatic organisms. The product has not been tested. The statement has been derived from the properties of the individual components.

Additional ecological information:

General notes: Harmful to aquatic organisms.
Water hazard class 2 (German Regulation) (self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system. Danger to drink water if even small quantities leak into ground.

12.5 Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects: No further relevant information available.

Section 13. Disposal considerations.

13.1 Waste treatment methods:

Recommendation:	Must not be disposed together with household garbage. Do not allow product to reach sewage system.
European waste catalogue:	13 02 05* mineral-based non-chlorinated engine, gear and lubricating oils
Uncleaned packaging:	
Recommendation:	Disposal must be made according to official regulations.

Section 14. Transport information.

14.1 UN-Number:	
ADR, ADN, IMDG, IATA:	Void
14.2 UN proper shipping name:	
ADR, ADN, IMDG, IATA:	Void
14.3 Transport hazard class(es):	
ADR, ADN, IMDG, IATA:	
Class:	Void
14.4 Packaging group:	
ADR, IMDG, IATA:	Void
14.5 Environmental hazard:	
Marine Pollutant:	No
14.6 Special precautions for user:	Not applicable
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC-Code:	Not applicable
UN “Model Regulation”:	Void

Section 15. Regulatory information.

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

Directive 2012/18/EU:	
Named dangerous substances – ANNEX I:	None of the ingredients is listed.
National regulations:	
Water hazard class:	WGK 2 (self-assessment): hazardous for water
15.2 Chemical safety assessment:	A chemical safety assessment has not been carried out.

Section 16. Other information.

The information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H290	May be corrosive to metals
H301	Toxic if swallowed
H302	May be fatal if swallowed and enters airways
H304	May be fatal if swallowed and enters airways
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318:	Causes serious eye damage
H319	Causes serious eye irritation
H331	Toxic if inhaled
H335	May cause respiratory irritation

H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
H413:	May cause long lasting harmful effects to aquatic life

Changes: 1 - 16