

# TRANSMISSION FLUID 75W ISC



## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

ISSUE DATE: 02.11.2021  
REVISION DATE: 02.11.2021

VERSION: 1.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Trade name : Transmission Fluid 75W ISC  
Product code : Ford Internal Ref.: 503747  
SDS Number : 9190  
Product use : Professional use

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

##### 1.2.1. Relevant identified uses

Function or use category : Automotive gear oil

##### 1.2.2. Uses advised against

Restrictions on use : None known

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

Ford-Werke GmbH  
Edsel-Ford-Str. 2-14  
50769 Cologne  
Germany  
+49 221 90-33333  
sdseu@ford.com

##### Distributor

Ford Motor Company Ltd.  
Parts Distribution Centre  
Royal Oak Way South  
NN11 8NT Daventry, Northants  
United Kingdom  
+44 1327 305 198

#### 1.4. Emergency telephone number

+49 (0) 6132-84463 (GBK GmbH – 24/7)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

<b>Environmental hazards</b>	Hazardous to the aquatic environment — Chronic Hazard, Category 3	H412	Harmful to aquatic life with long lasting effects.
------------------------------	--	------	--

Full text of H- and EUH-statements: see section 16

#### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008

Signal word -

#### Hazard statements

H412 Harmful to aquatic life with long lasting effects.

#### Precautionary statements

##### Prevention

P273 Avoid release to the environment.

## 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Chemical name	CAS- No EC- No Index No RRN	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Notes
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1 276-738-4 649-483-00-5 01-2119474889-13-XXXX	50 - < 75	Asp. Tox. 1, H304	(Note L)
Dec-1-ene, trimers, hydrogenated	157707-86-3 500-393-3 01-2119493949-12-XXXX	10 - < 25	Asp. Tox. 1, H304	
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts	85940-28-9 288-917-4 - 01-2119521201-61-XXXX	1 - < 3	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411	
reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8 421-820-9 607-501-00-9 01-2119480426-35-xxxx, 01-2120052100-80-xxxx	0,1 - < 1	Repr. 2, H361d Aquatic Chronic 4, H413	
Zinc isodecyl phosphorodithioate	25103-54-2 246-618-6 - 01-2120767616-43-xxxx	0,1 - < 0,3	Aquatic Acute 1, H400 (M=1.0) Aquatic Chronic 1, H410 (M=1.0)	
2,6-di-tert-butylphenol	128-39-2 204-884-0 - 01-2119490822-33-XXXX	0,1 - < 0,3	Skin Irrit. 2, H315 Aquatic Acute 1, H400 (M=1.0) Aquatic Chronic 1, H410 (M=1.0)	

Note L: The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide extract as measured by IP 346 ("Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions – Dimethyl sulphoxide extraction refractive index method" Institute of Petroleum, London), in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention.
First-aid measures after skin contact	: Take off immediately all contaminated clothing and wash it before reuse. Wash immediately with plenty of water. Get medical advice/attention.
First-aid measures after eye contact	: Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Do not induce vomiting. Rinse mouth thoroughly. Get immediate medical advice/attention.

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

Symptoms/effects after skin contact	: Defatting of the skin.
-------------------------------------	--------------------------

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry chemical.
- Unsuitable extinguishing media : Do not use water jet as an extinguisher, as this will spread the fire.

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

- Explosion hazard : Heating will cause a rise in pressure with a risk of bursting.
- Hazardous decomposition products in case of fire : During fire, gases hazardous to health may be formed. Carbon oxides (CO, CO<sub>2</sub>).

### 5.3. Advice for firefighters

- Firefighting instructions : Move containers from fire area if it can be done without personal risk. Use standard firefighting procedures and consider the hazards of other involved materials.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

- Protective equipment : Wear appropriate protective equipment and clothing during clean-up. Use personal protection recommended in Section 8 of the MSDS.
- Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing. Local authorities should be advised if significant spillages cannot be contained. Wear appropriate protective equipment and clothing during clean-up.

#### 6.1.2. For emergency responders

- Protective equipment : Wear recommended personal protective equipment. For personal protection, see section 8 of the SDS.
- Emergency procedures : Keep unnecessary personnel away. Ventilate area.

### 6.2. Environmental precautions

Avoid release to the environment. Avoid discharge into drains, water courses or onto the ground. Prevent further leakage or spillage if safe to do so. Inform appropriate managerial or supervisory personnel of all environmental releases.

### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small spills: Take up liquid spill into absorbent material. Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use.
- Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of residues refer to section 13 : "Disposal considerations".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing mist or vapor. Do not re-use empty containers.
- Hygiene measures : Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Observe good industrial hygiene practices.

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

- Technical measures : Ensure adequate ventilation, especially in confined areas.

Storage conditions

: Store locked up. Store in a dry, cool and well-ventilated place.

### 7.3. Specific end use(s)

Automotive gear oil.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

#### Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1)

---

##### DNEL/DMEL (Workers)

Long-term - systemic effects, dermal	0.97 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2.73 mg/m <sup>3</sup>
Long-term - local effects, inhalation	5.58 mg/m <sup>3</sup>

##### DNEL/DMEL (General population)

Acute - systemic effects, oral	0.74 mg/kg bodyweight
--------------------------------	-----------------------

##### PNEC (Oral)

PNEC oral (secondary poisoning)	9.33 mg/kg food
---------------------------------	-----------------

#### Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts (85940-28-9)

---

##### DNEL/DMEL (Workers)

Long-term - systemic effects, dermal	9.6 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	6.6 mg/m <sup>3</sup>

##### DNEL/DMEL (General population)

Long-term - systemic effects, oral	0.19 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1.67 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	4.8 mg/kg bodyweight/day

##### PNEC (Water)

PNEC aqua (freshwater)	0.002 mg/l
PNEC aqua (marine water)	0 mg/l

##### PNEC (Sediment)

PNEC sediment (freshwater)	19.3 mg/kg dwt
PNEC sediment (marine water)	1.93 mg/kg dwt

##### PNEC (Soil)

PNEC soil	15.7 mg/kg dwt
-----------	----------------

##### PNEC (STP)

PNEC sewage treatment plant	100 mg/l
-----------------------------	----------

#### reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives (192268-65-8)

---

##### DNEL/DMEL (Workers)

Long-term - systemic effects, inhalation	1.76 mg/m <sup>3</sup>
--	------------------------

**DNEL/DMEL (General population)**

Long-term - systemic effects, oral	0.25 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0.43 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	0.25 mg/kg bodyweight/day

**PNEC (Sediment)**

PNEC sediment (freshwater)	2250 mg/kg dwt
PNEC sediment (marine water)	225 mg/kg dwt

**PNEC (Soil)**

PNEC soil	9.47 mg/kg dwt
-----------	----------------

**PNEC (Oral)**

PNEC oral (secondary poisoning)	1000 mg/kg food
---------------------------------	-----------------

**PNEC (STP)**

PNEC sewage treatment plant	32 mg/l
-----------------------------	---------

**Zinc isodecyl phosphorodithioate (25103-54-2)**

---

**DNEL/DMEL (Workers)**

Long-term - systemic effects, dermal	9.29 mg/kg bw/day
Long-term - systemic effects, inhalation	6.55 mg/m <sup>3</sup>

**DNEL/DMEL (General population)**

Long-term - systemic effects, oral	0.19 mg/kg bw/day
Long-term - systemic effects, inhalation	1.61 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	4.65 mg/kg bw/day

**PNEC (Water)**

PNEC aqua (freshwater)	0.2 µg/L
PNEC aqua (intermittent, freshwater)	2 µg/L

**2,6-di-tert-butylphenol (128-39-2)**

---

**DNEL/DMEL (Workers)**

Long-term - systemic effects, dermal	11.25 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	70.61 µg/m <sup>3</sup>

**DNEL/DMEL (General population)**

Long-term - systemic effects, oral	6.75 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	20.9 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	6.75 mg/kg bodyweight/day

**PNEC (Water)**

PNEC aqua (freshwater)	0.001 mg/l
PNEC aqua (marine water)	0 mg/l
PNEC aqua (intermittent, freshwater)	0.004 mg/l

**PNEC (Sediment)**

PNEC sediment (freshwater)	0.317 mg/kg dwt
PNEC sediment (marine water)	0.032 mg/kg dwt

**PNEC (Soil)**

PNEC soil	0.697 mg/kg dwt
-----------	-----------------

## PNEC (Oral)

PNEC oral (secondary poisoning) 60 mg/kg food

## PNEC (STP)

PNEC sewage treatment plant 10 mg/l

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the protective equipment.

#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses with side shields. EN 166.

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing. Long sleeved protective clothing. EN 14605. EN ISO 13982

##### Hand protection:

Protective gloves. EN 374. The recommendation is only valid for the supplied product and the stated application. Special working conditions, like heat or mechanical strain, which deviate from the test conditions, can reduce the protective effect provided by the recommended glove

Material	Permeation	Thickness (mm)	Comments
Nitrile rubber (NBR)	6 (> 480 minutes)	0.4	Glove recommendation: Camatril Velours® 730 (Kächele-Cama GmbH, source of supply see <a href="http://www.kcl.de">www.kcl.de</a> ) or comparable product.
In case of splash contact: Nitrile rubber (NBR)	6 (> 480 minutes)	0.4	Glove recommendation: Camatril Velours® 730 (Kächele-Cama GmbH, source of supply see <a href="http://www.kcl.de">www.kcl.de</a> ) or comparable product.

### Other skin protection

#### Materials for protective clothing:

Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the protective equipment

### 8.2.2.3. Respiratory protection

#### Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn

### 8.2.2.4. Thermal hazards

#### Thermal hazard protection:

Wear appropriate thermal protective clothing, when necessary.

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases.

#### Other information:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: brown.
Odour	: No data available
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 180 °C Open cup [ Cleveland ]
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 0.853
Solubility	: Insoluble in water.
Log Pow	: No data available
Viscosity, kinematic	: 32 mm <sup>2</sup> /s @ 40°C 6.3 mm <sup>2</sup> /s @ 100°C
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

VOC (EU)	: 0 %
----------	-------

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources.

### 10.5. Incompatible materials

Strong oxidizing agent.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Based on available data, the classification criteria are not met
Acute toxicity (dermal)	: Based on available data, the classification criteria are not met
Acute toxicity (inhalation)	: Based on available data, the classification criteria are not met
Skin corrosion/irritation	: Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Eye irritation classification does not apply based on test data.
Respiratory or skin sensitisation	: Based on available data, the classification criteria are not met





## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

- Regional legislation (waste) : Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Dispose of in accordance with local regulations.
- Waste treatment methods : Collect and reclaim or dispose in closed containers at licensed waste disposal site. Do not contaminate ponds, waterways or ditches with chemical or used container. Do not allow to enter drains or water courses. Dispose of contents/container in accordance with licensed collector's sorting instructions.
- European List of Waste (LoW) code : The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.  
13 02 08\* - other engine, gear and lubricating oils  
15 01 10\* - packaging containing residues of or contaminated by dangerous substances

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID  
Not regulated for transport

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

##### EU restriction list (REACH Annex XVII)

Reference code	Applicable on
3(b)	Transmission Fluid 75W ISC ; Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based ; Dec-1-ene, trimers, hydrogenated ; Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts ; reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives
3(c)	Transmission Fluid 75W ISC ; Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts ; reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives ; Zinc isodecyl phosphorodithioate

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

VOC content : 0 %

Other information, restriction and prohibition regulations : Directive 94/33/EC on the protection of young people at work, as amended. Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended. Directive 92/85/EEC on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding as amended. For details, refer to section 3 and 8.

##### Directive 2012/18/EU (SEVESO III)

Seveso Additional information : Not applicable

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### Indication of changes:

None.

### Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
STEL	Short-term Exposure Limit

VOC	Volatile organic compounds
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
SDS	Safety Data Sheet
STP	Sewage treatment plant
TLM	Median Tolerance Limit
vPvB	Very Persistent and Very Bioaccumulative
OEL	Occupational Exposure Limit
RRN	REACH Registration no.
TWA	Time Weighted Average. The average concentration of a chemical in air over the total exposure time-usually an 8-hour workday.

Data sources	:	REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Training advice	:	Normal use of this product shall imply use in accordance with the instructions on the packaging.

#### Full text of H- and EUH-statements

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H361d	Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	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.
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2

#### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Aquatic Chronic 3	H412	Calculation method
-------------------	------	--------------------

*The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.*

Attachment to the Safety Data Sheet



**Product Name:** Transmission Fluid 75W ISC

**Ford Int. Ref. No.:** 503747

REVISION DATE: 02.11.2021

**Involved Products:**

Finiscode	Part number	Container Size:
1 2 593 512	MU7J M2C200 HA	1 l