TRANSMISSION FLUID 75W-90 BO

SAFETY DATA SHEET

Compiled in accordance with REACH Regulation (EC) No 1907/2006, as retained and amended in UK law

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

1.1. Product identifier

Product form	:	Mixture
Trade name	:	Transmission Fluid 75W-90 BO
Product code	:	Ford Internal Ref.: 503245
SDS Number	:	9168
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 Köln
Deutschland
Tel.: +49-221 99 99 29 99
sdseu@ford.com

Distributor
Ford Motor Company Ltd.
Parts Distribution Centre
Royal Oak Way South
NN11 8NT Daventry, Northants
United Kingdom
Tel +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 The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations

Environmental hazards	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 The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations

Signal word -

Hazard statements

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention

P273	Avoid release to the environment.
EUH-statements	EUH208 - Contains Methyl methacrylate. May produce an allergic reaction.

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.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

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
Dec-1-ene, dimers, hydrogenated	68649-11-6 500-228-5 01-2119493069-28-XXXX	10 - < 25	Acute Tox. 4 (Inhalation), H332 (ATE=11 mg/l/4h) Asp. Tox. 1, H304	
Dec-1-ene, trimers, hydrogenated	157707-86-3 500-393-3 01-2119493949-12-XXXX	10 - < 25	Asp. Tox. 1, H304	
Dec-1-ene, homopolymer, hydrogenated	68037-01-4 500-183-1 - 01-2119486452-34-XXXX	5 -< 10	Asp. Tox. 1, H304	
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8 265-158-7 649-468-00-3 01-2119487077-29-XXXX	0,1 -< 3	Asp. Tox. 1, H304	(Note L)
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0 265-169-7 649-474-00-6 01-2119471299-27-XXXX	1 -< 5	Asp. Tox. 1, H304	(Note L)
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7 265-157-1 649-467-00-8 01-2119484627-25-XXXX	1 -< 3	Asp. Tox. 1, H304	(Note L)
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	
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1 270-128-1 01-2119491299-23-XXXX	0,1 -< 1	Repr. 2, H361f	
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)	
Isodecyl methacrylate	29964-84-9	0.1 - <	Skin Irrit. 2, H315	

	249-978-2 - 01-2119894925-17-XXXX	0.3	Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 (M=1.0) Aquatic Chronic 1, H410 (M=1.0)	
Methyl methacrylate	80-62-6 201-297-1 607-035-00-6 01-2119452498-28-XXXX	0,01 -< 0,3	Flam. Liq. 2, H225 STOT SE 3, H335 Skin Irrit. 2, H315 Skin Sens. 1, H317	(Note D)

Note D - Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words 'non-stabilised'.
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. Never give anything by mouth to an unconscious person.

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 inhalation : Dust of the product, if present, may cause respiratory irritation after excessive inhalation exposure.

Symptoms/effects after skin contact : Defatting, drying and cracking of skin.

Symptoms/effects after eye contact : Direct contact with eyes may cause temporary irritation.

Symptoms/effects after ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use. Large amounts: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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 : Dry chemical. Foam.

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, CO2).

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

For containment : Stop leak without risks if possible. Move containers from fire area if it can be done without personal risk.

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

Methyl methacrylate (80-62-6)

EU - Indicative Occupational Exposure Limit (IOEL)

Local name	Methyl methacrylate
IOEL TWA	50 ppm
IOEL STEL	100 ppm

Regulatory reference	COMMISSION DIRECTIVE 2009/161/EU

United Kingdom - Occupational Exposure Limits

Local name	Methyl methacrylate
WEL TWA (OEL TWA)	208 mg/m³
	50 ppm
WEL STEL (OEL STEL)	416 mg/m³
	100 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

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

Dec-1-ene, dimers, hydrogenated (68649-11-6)

PNEC (Water)	
PNEC aqua (freshwater)	12.5 mg/l
PNEC aqua (marine water)	1.25 mg/l
PNEC aqua (intermittent, freshwater)	10 mg/l
PNEC aqua (intermittent, marine water)	1 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	1860 mg/kg dwt
PNEC sediment (marine water)	186 mg/kg dwt
PNEC (Soil)	
PNEC soil	364 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	1 mg/l

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/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	0.19 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1.67 mg/m³
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

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/m³

DNEL/DMEL (General population)

Long-term - systemic effects,oral	0.19 mg/kg bw/day
Long-term - systemic effects, inhalation	1.61 mg/m³
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 bw/day
Long-term - systemic effects, inhalation	70.61 µg/m³

DNEL/DMEL (General population)

Long-term - systemic effects,oral	6.75 mg/kg bw/day
Long-term - systemic effects, inhalation	20.9 mg/m³
Long-term - systemic effects, dermal	6.75 mg/kg bw/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

Isodecyl methacrylate (29964-84-9)

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal	5 mg/kg bodyweight/day

PNEC (Water)

PNEC aqua (freshwater)	0.24 µg/L
PNEC aqua (marine water)	0.024 µg/L
PNEC aqua (intermittent, freshwater)	0.169 µg/L

PNEC (Sediment)

PNEC sediment (freshwater)	0.042 mg/kg dwt
PNEC sediment (marine water)	0.004 mg/kg dwt

PNEC (Soil)

PNEC soil	0.008 mg/kg dwt

PNEC (STP)

PNEC sewage treatment plant	50 mg/l

Cyclohexane (108-94-1)

DNEL/DMEL (Workers)

Acute - systemic effects, dermal	4 mg/kg bw/day
Acute - systemic effects, inhalation	20 mg/m³
Acute - local effects, inhalation	20 mg/m³
Long-term - systemic effects, dermal	4 mg/kg bw/day
Long-term - systemic effects, inhalation	10 mg/m³
Long-term - local effects, inhalation	10 mg/m³

DNEL/DMEL (General population)

Acute - systemic effects, dermal	1 mg/kg bw/day
Acute - systemic effects, inhalation	5 mg/m³
Acute - systemic effects, oral	1.5 mg/kg bw/day
Acute - local effects, inhalation	40 mg/m³
Long-term - systemic effects,oral	1.5 mg/kg bw/day
Long-term - systemic effects, inhalation	2.55 mg/m³
Long-term - systemic effects, dermal	1 mg/kg bw/day
Long-term - local effects, inhalation	20 mg/m³

PNEC (Water)

PNEC aqua (freshwater)	0.356 mg/l
PNEC aqua (marine water)	0.036 mg/l
PNEC aqua (intermittent, freshwater)	3.23 mg/l

PNEC (Sediment)

PNEC sediment (freshwater)	2.69 mg/kg dwt
PNEC sediment (marine water)	0.269 mg/kg dwt

PNEC (Soil)

PNEC soil	0.328 mg/kg dwt

PNEC (STP)

PNEC sewage treatment plant	10 mg/l

Bis(2-ethylhexyl) sebacate (122-62-3)

PNEC (Soil)

PNEC soil	0.865 mg/kg dwt

Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal	0.97 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2.73 mg/m³

Long-term - local effects, inhalation	5.58 mg/m³

DNEL/DMEL (General population)

Long-term - systemic effects,oral	0.74 mg/kg bodyweight/day

PNEC (Oral)

PNEC oral (secondary poisoning)	9.33 mg/kg food

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal	1 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2.7 mg/m³
Long-term - local effects, inhalation	5.6 mg/m³

DNEL/DMEL (General population)

Long-term - systemic effects,oral	0.74 mg/kg bodyweight/day

PNEC (Oral)

PNEC oral (secondary poisoning)	9.33 mg/kg food

Methyl methacrylate (80-62-6)

DNEL/DMEL (Workers)

Acute - local effects, dermal	1.5 mg/cm²
Long-term - systemic effects, dermal	13.67 mg/kg bw/day
Long-term - local effects, dermal	1.5 mg/cm²
Long-term - systemic effects, inhalation	348.4 mg/m³
Long-term - local effects, inhalation	208 mg/m³

DNEL/DMEL (General population)

Acute - local effects, dermal	1.5 mg/cm²
Long-term - systemic effects,oral	8.2 mg/kg bw/day
Long-term - systemic effects, inhalation	74.3 mg/m³
Long-term - systemic effects, dermal	8.2 mg/kg bw/day
Long-term - local effects, dermal	1.5 mg/cm²
Long-term - local effects, inhalation	104 mg/m³

PNEC (Water)

PNEC aqua (freshwater)	0.94 mg/l
PNEC aqua (marine water)	0.094 mg/l
PNEC aqua (intermittent, freshwater)	0.69 mg/l

PNEC (Sediment)

PNEC sediment (freshwater)	10.2 mg/kg dwt
PNEC sediment (marine water)	1.02 mg/kg dwt

PNEC (Soil)

PNEC soil	1.48 mg/kg dwt

PNEC (STP)

PNEC sewage treatment plant	10 mg/l

Distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal	0.97 mg/kg bodyweight/day

Long-term - systemic effects, inhalation	2.73 mg/m³
Long-term - local effects, inhalation	5.6 mg/m³

DNEL/DMEL (General population)

Long-term - systemic effects,oral	0.74 mg/kg bodyweight/day

PNEC (Oral)

PNEC oral (secondary poisoning)	9.33 kg/kg food

branched and linear mono-C20,22,24 and di-C10-C13 alkyl benzenesulfonic acids and petroleum sulphonic acids, calcium salts, overbased

DNEL/DMEL (Workers)

Acute - local effects, dermal	1.03 mg/cm²
Long-term - systemic effects, dermal	3.33 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	11.75 mg/m³

DNEL/DMEL (General population)

Long-term - systemic effects,oral	0.833 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2.9 mg/m³
Long-term - systemic effects, dermal	1.667 mg/kg bodyweight/day
Long-term - local effects, dermal	0.513 mg/cm²

PNEC (Water)

PNEC aqua (freshwater)	1 mg/l
PNEC aqua (marine water)	1 mg/l
PNEC aqua (intermittent, freshwater)	10 mg/l

PNEC (Sediment)

PNEC sediment (freshwater)	226000000 mg/kg dwt
PNEC sediment (marine water)	226000000 mg/kg dwt

PNEC (Soil)

PNEC soil	271000000 mg/kg dwt

PNEC (Oral)

PNEC oral (secondary poisoning)	16667 kg/kg food

PNEC (STP)

PNEC sewage treatment plant	1000 mg/l

Benzenesulfonic acid, mono- and dialkylation products with C16-20 (even numbered, branched and linear) olefins, calcium salts, calcium carbonate, overbased, including distillates (petroleum), hydrotreated, solvent-refined, solvent-dewaxed, or catalytic dewaxed, light or heavy paraffinic C15-C50

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal	3.33 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0.33 mg/m³

DNEL/DMEL (General population)

Long-term - systemic effects,oral	0.833 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0.083 mg/m³
Long-term - systemic effects, dermal	1.667 mg/kg bodyweight/day

PNEC (Water)

PNEC aqua (freshwater)	0.257 mg/l
PNEC aqua (marine water)	25.7 µg/L
PNEC aqua (intermittent, freshwater)	0.46 mg/l

PNEC aqua (intermittent, marine water)	46 µg/L

PNEC (Sediment)

PNEC sediment (freshwater)	11000 mg/kg dwt
PNEC sediment (marine water)	1100 mg/kg dwt

PNEC (Soil)

PNEC soil	2190 mg/kg dwt

PNEC (Oral)

PNEC oral (secondary poisoning)	16667 kg/kg food

PNEC (STP)

PNEC sewage treatment plant	100 mg/l

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal	0.97 mg/kg bw/day
Long-term - systemic effects, inhalation	2.73 mg/m³
Long-term - local effects, inhalation	5.58 mg/m³

DNEL/DMEL (General population)

Long-term - systemic effects,oral	0.74 mg/kg bw/day

PNEC (Oral)

PNEC oral (secondary poisoning)	9.33 mg/kg food Food/feed stuff

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)

DNEL/DMEL (Workers)

Long-term - systemic effects, dermal	0.44 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0.31 mg/m³

DNEL/DMEL (General population)

Long-term - systemic effects,oral	0.05 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0.08 mg/m³
Long-term - systemic effects, dermal	0.22 mg/kg bodyweight/day

PNEC (Water)

PNEC aqua (freshwater)	0.034 mg/l
PNEC aqua (marine water)	0.003 mg/l
PNEC aqua (intermittent, freshwater)	0.51 mg/l

PNEC (Sediment)

PNEC sediment (freshwater)	0.446 mg/kg dwt
PNEC sediment (marine water)	0.045 mg/kg dwt

PNEC (Soil)

PNEC soil	3.71 mg/kg dwt

PNEC (Oral)

PNEC oral (secondary poisoning)	0.833 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. DIN ISO 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 www.kcl.de) 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 www.kcl.de) 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
Colour	:	amber.
Appearance	:	Liquid.
Odour	:	Not available
Odour threshold	:	Not available
Melting point	:	Not available
Freezing point	:	Not available
Boiling point	:	Not available

Flammability	:	Not available
Explosive limits	:	Not available
Lower explosive limit (LEL)	:	Not available
Upper explosive limit (UEL)	:	Not available
Flash point	:	> 180 °C Open cup [Cleveland]
Auto-ignition temperature	:	Not available
Decomposition temperature	:	Not available
Pour point	:	-54 °C
pH	:	Not available
Viscosity, kinematic	:	76 mm²/s @40 °C
Solubility	:	Insoluble in water.
Log Kow	:	Not available
Vapour pressure	:	Not available
Vapour pressure at 50°C	:	Not available
Density	:	< 1 g/cm³ @15 °C
Relative density	:	Not available
Relative vapour density at 20°C	:	Not available
Particle size	:	Not applicable
Particle size distribution	:	Not applicable
Particle shape	:	Not applicable
Particle aspect ratio	:	Not applicable
Particle aggregation state	:	Not applicable
Particle agglomeration state	:	Not applicable
Particle specific surface area	:	Not applicable
Particle dustiness	:	Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

VOC content	:	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 hazard classes as defined in Regulation (EC) No 1272/2008

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

Dec-1-ene, dimers, hydrogenated (68649-11-6)	
LC50 Inhalation - Rat (Dust/Mist)	< 1.17 mg/l/4h

Zinc isodecyl phosphorodithioate (25103-54-2)	
LD50 oral rat	> 3200 mg/kg bodyweight

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

Methyl methacrylate (80-62-6)	
IARC group	3 - Not classifiable

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

Isodecyl methacrylate (29964-84-9)	
STOT-single exposure	May cause respiratory irritation.

Methyl methacrylate (80-62-6)	
STOT-single exposure	May cause respiratory irritation.

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

Transmission Fluid 75W-90 BO	
Viscosity, kinematic	76 mm²/s @40 °C

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

11.2.2. Other information

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short–term (acute) : Based on available data, the classification criteria are not met
Hazardous to the aquatic environment, long–term (chronic) : Harmful to aquatic life with long lasting effects.

Zinc isodecyl phosphorodithioate (25103-54-2)

LC50 - Fish [1]	> 0.28 mg/l 96h, Cyprinus carpio (Common carp)
EC50 - Crustacea [1]	0.2 mg/l 48h, Daphnia magna (Water flea)
EC50 72h - Algae [1]	> 1.6 mg/l 72h, Pseudokirchneriella subcapitata
NOEC chronic algae	0.094 mg/l 72h, Pseudokirchneriella subcapitata

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

LC50 - Fish [1]	1.4 mg/l 96h, Pimephales promelas
EC50 - Crustacea [1]	0.45 mg/l 48h, Daphnia magna
EC50 96h - Algae [1]	1.2 mg/l 96h, Pseudokirchnerella subcapitata
NOEC chronic crustacea	0.035 mg/l 21d, Daphnia magna

NOEC chronic algae	0.64 mg/l 96h, Pseudokirchnerella subcapitata

Isodecyl methacrylate (29964-84-9)

LC50 - Fish [1]	470 mg/l 48h, Leuciscus idus (golden orfe)
EC50 72h - Algae [1]	0.0169 mg/l 72h, Desmodesmus subspicatus
NOEC chronic crustacea	0.0542 mg/l 21d, Daphnia magna
NOEC chronic algae	0.012 mg/l 72h, Desmodesmus subspicatus

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Dec-1-ene, homopolymer, hydrogenated (68037-01-4)

Log Pow	> 3
Log Kow	> 6.5

12.4. Mobility in soil

Transmission Fluid 75W-90 BO

Ecology - soil	Spillages may penetrate the soil causing ground water contamination.

12.5. Results of PBT and vPvB assessment

Transmission Fluid 75W-90 BO

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.

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties	:	The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

12.7. Other adverse effects

Other adverse effects	:	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product
Additional information	:	An oil film may cause physical damage and disturb the transportation of oxygen in the intermediate zone between air/water or water/air

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation	:	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, EC 2000/532)	:	13 02 06* - synthetic 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(a)	Methyl methacrylate
3(b)	Dec-1-ene, dimers, hydrogenated ; Dec-1-ene, trimers, hydrogenated ; Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts ; Isodecyl methacrylate ; Distillates (petroleum), hydrotreated light paraffinic ; Distillates (petroleum), solvent-dewaxed heavy paraffinic ; Dec-1-ene, homopolymer, hydrogenated ; Methyl methacrylate ; Distillates (petroleum), hydrotreated heavy paraffinic ; Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene
3(c)	Transmission Fluid 75W-90 BO ; Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts ; Zinc isodecyl phosphorodithioate ; Isodecyl methacrylate

Contains no substance(s) listed on the REACH Candidate List

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 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:

Address. Composition/information on ingredients. Regulatory information.

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

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
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
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H361f	Suspected of damaging fertility.
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.
EUH208	Contains Methyl methacrylate. May produce an allergic reaction.

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

Trade name: Transmission Fluid 75W-90 BO

Ford Internal Ref.: 503245 **Revision Date:** 20.10.2026

Involved Products:

	Finiscode	Part Number	Packaging
1	2 593 484	MU7J M2C200 FA	1 l