



HYDRAULIC FLUID DP-PS

SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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

1.1. Product identifier

Trade name	Hydraulic Fluid DP-PS
Product code	Ford Internal Ref: 175741
SDS Number	7991
Product use	Professional use

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

Relevant identified uses	Hydraulic fluids and additives
Uses advised against	No additional information available.

1.3. Details of the supplier of the safety data sheet

Supplier	Distributor
Ford-Werke GmbH	Ford Motor Company Ltd.
Edsel-Ford-Str. 2-14	Parts Distribution Centre
50769 Cologne	Royal Oak Way South
Germany	NN11 8NT Daventry, Northants
+49 221 90-33333	United Kingdom
sdseu@ford.com	+44 1327 305 198

1.4. Emergency telephone number

+49 (0) 6132-84463 (GBK GmbH – 24/7)

2. SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Health hazards	Aspiration hazard, Category 1	H304	May be fatal if swallowed and enters airways.
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2.2. Label elements

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

Hazard pictograms



Signal word

Danger

Contains

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based ; Dec-1-ene, dimers, hydrogenated

Hazard statements

H304	May be fatal if swallowed and enters airways.
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Precautionary statements

Response

P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor.
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P331	Do NOT induce vomiting.
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Supplemental hazard information

EUH208

Contains Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.(61791-44-4), methyl methacrylate(80-62-6). 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.

3. 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	Notes
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	72623-86-0 276-737-9 649-482-00-X 01-2119474878-16-XXXX	50 - < 100	Carc. 1B, H350 Asp. Tox. 1, H304	(Note L)
Dec-1-ene, dimers, hydrogenated	68649-11-6 500-228-5 01-2119493069-28-XXXX	10 - < 20	Acute Tox. 4 (Inhalation), H332 Asp. Tox. 1, H304	
Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.	61791-44-4 263-177-5	0.1 - < 1	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Chronic 3, H412	
methyl methacrylate	80-62-6 201-297-1 607-035-00-6 01-2119452498-28-XXXX	0.1 - < 1	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 classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO 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. This note applies only to certain complex oil-derived substances in Part 3.

Full text of H-statements: see section 16

4. SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Call a physician immediately.

Inhalation

Remove person to fresh air and keep comfortable for breathing.

Skin contact

Wash skin with plenty of water.

Eyes contact

Rinse eyes with water as a precaution.

Ingestion

Do not induce vomiting. Call a physician immediately.

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

Symptoms/effects after ingestion

Risk of lung oedema.

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

Treat symptomatically.

5. SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media No additional information available.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6. SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures Ventilate spillage area.

For emergency responders

Protective equipment Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Large Spills: Stop leak if safe to do so. Absorb remaining liquid with sand or inert absorbent and remove to safe place. Flush residue with large amounts of water. Small spills: Wipe up with absorbent material (for example cloth). Clean surface thoroughly to remove residual contamination.

Other information Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

7. 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.

Hygiene measures Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions Store locked up. Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

No additional information available.

8. SECTION 8: Exposure controls/personal protection

8.1. Control parameters

EU

Regulation	Substance	Type	Value
COMMISSION	methyl methacrylate (80-62-	IOELV TWA	50 ppm

EU

DIRECTIVE 2009/161/EU	6) Methyl methacrylate	IOELV STEL	100 ppm
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United Kingdom

Regulation	Substance	Type	Value
EH40. HSE	methyl methacrylate (80-62-6) Methyl methacrylate	WEL TWA	208 mg/m ³
		WEL TWA	50 ppm
		WEL STEL	416 mg/m ³
		WEL STEL	100 ppm

DNEL: Derived no effect level

Components	Type	Route	Value	Form
methyl methacrylate (80-62-6)	Worker	Dermal	1.5 mg/cm ²	Acute - local effects
		Dermal	13.67 mg/kg bodyweight/day	Long-term - systemic effects
		Dermal	1.5 mg/cm ²	Long-term - local effects
		Inhalation	208 mg/m ³	Long-term - systemic effects
		Inhalation	208 mg/m ³	Long-term - local effects
	Consumer	Dermal	1.5 mg/cm ²	Acute - local effects
		Inhalation	74.3 mg/m ³	Long-term - systemic effects
		Dermal	8.2 mg/kg bodyweight/day	Long-term - systemic effects
		Dermal	1.5 mg/cm ²	Long-term - local effects
		Inhalation	104 mg/m ³	Long-term - local effects

PNEC: Predicted no effect concentration

Components	Type	Route	Value	Form
methyl methacrylate (80-62-6)	Not applicable.	Freshwater	0.94 mg/l	
		Seawater	0.94 mg/l	
		Freshwater	0.94 mg/l	Intermittent release
		sediment	5.74 mg/kg dwt	Freshwater
		Soil	1.47 mg/kg dwt	
		STP	10 mg/l	
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)	Not applicable.	Oral	9.33 mg/kg food	Secondary Poisoning

8.2. Exposure controls

Appropriate engineering controls

Ensure good ventilation of the work station.

Materials for protective clothing

No additional information available.

Individual protection measures, such as personal protective equipment (PPE)

Eye protection

Safety glasses.

Skin protection

Hand protection

The protective gloves to be used must comply with the specification of EU directive 89/686/EC and the resultant standard EN374. The above given information is based on laboratory test in line with EN374. 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 protective measures	No additional information available.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment
Thermal hazard protection	No additional information available.
Environmental exposure controls	Avoid release to the environment.

9. SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Colour	dark green.
Odour	Characteristic.
Odour threshold	No data available.
pH	No data available.
Relative evaporation rate (butylacetate=1)	No data available.
Melting point	Not applicable.
Freezing point	No data available.
Boiling point	No data available.
Flash point	> 150 °C
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Flammability (solid, gas)	Not applicable.
Vapour pressure	No data available.
Relative vapour density at 20 °C	No data available.
Relative density	No data available.
Density	0.83 g/cm ³ @ 20°C
Solubility	No data available.
Log Pow	No data available.
Viscosity, kinematic	19 mm ² /s @ 40°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)	< 1 %
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10. 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	None under recommended storage and handling conditions (see section 7).
10.5. Incompatible materials	No additional information available.

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

11. SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

Mixture

Name	Method	Type	Exposure route	Value	Unit	Species	Remarks
Hydraulic Fluid DP-PS		ATE	Inhalation	6.76	mg/l/4h		

Substance

Name	Method	Type	Exposure route	Value	Unit	Species	Remarks
Dec-1-ene, dimers, hydrogenated (68649-11-6)		LC50	Inhalation	1.17	mg/l/4h	rat	

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.

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 May be fatal if swallowed and enters airways.

12. SECTION 12: Ecological information

12.1. Toxicity

Ecology - general The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

12.2. Persistence and degradability

No additional information available.

12.3. Bioaccumulative potential

No additional information available.

12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vPvB assessment

Hydraulic Fluid DP-PS

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. Other adverse effects

No additional information available.

13. SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods Dispose of contents/container in accordance with licensed collector's sorting instructions.

European List of Waste (LoW) code

13 01 10* mineral based non-chlorinated hydraulic oils

14. SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR)	Not applicable.
UN-No. (IMDG)	Not applicable.
UN-No. (IATA)	Not applicable.
UN-No. (ADN)	Not applicable.
UN-No. (RID)	Not applicable.

14.2. UN proper shipping name

Proper Shipping Name (ADR)	Not applicable.
Proper Shipping Name (IMDG)	Not applicable.
Proper Shipping Name (IATA)	Not applicable.
Proper Shipping Name (ADN)	Not applicable.
Proper Shipping Name (RID)	Not applicable.

14.3. Transport hazard class(es)

ADR	
Transport hazard class(es) (ADR)	Not applicable.

IMDG	
Transport hazard class(es) (IMDG)	Not applicable.

IATA	
Transport hazard class(es) (IATA)	Not applicable.

ADN	
Transport hazard class(es) (ADN)	Not applicable.

RID	
Transport hazard class(es) (RID)	Not applicable.

14.4. Packing group

Packing group (ADR)	Not applicable.
Packing group (IMDG)	Not applicable.
Packing group (IATA)	Not applicable.
Packing group (ADN)	Not applicable.
Packing group (RID)	Not applicable.

14.5. Environmental hazards

Dangerous for the environment	No
Marine pollutant	No
Other information	No supplementary information available.

14.6. Special precautions for user**Overland transport**

Not applicable.

Transport by sea

Not applicable.

Air transport

Not applicable.

Inland waterway transport

Not applicable.

Rail transport

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

15. SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU-Regulations****The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006**

methyl methacrylate - Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008
methyl methacrylate	3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
Hydraulic Fluid DP-PS - methyl methacrylate - Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	28. Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as Carcinogen category 1A or 1B (Table 3.1) or Carcinogen category 1 or 2 (Table 3.2) and listed as follows: Carcinogen category 1A (Table 3.1)/Carcinogen category 1 (Table 3.2) listed in Appendix 1 Carcinogen category 1B (Table 3.1)/Carcinogen category 2 (Table 3.2) listed in Appendix 2
methyl methacrylate	40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.
Contains no substance on the REACH candidate list	
Contains no REACH Annex XIV substances	

VOC (EU) < 1 %**National regulations**

No additional information available.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

16. SECTION 16: Other 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.
ATE	Acute Toxicity Estimate.

BCF	Bioconcentration factor.
CAO	Cargo Aircraft only.
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.
OECD	Organisation for Economic Co-operation and Development.
OEL	Occupational Exposure Limit.
PBT	Persistent Bioaccumulative Toxic.
PCA	Passenger and Cargo Aircraft.
PNEC	Predicted No-Effect Concentration.
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail.
RRN	REACH Registration Number.
SDS	Safety Data Sheet.
STP	Sewage treatment plant.
TLM	Median Tolerance Limit.
vPvB	Very Persistent and Very Bioaccumulative.

Full text of H- and EUH-statements

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4.
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4.
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3.
Asp. Tox. 1	Aspiration hazard, Category 1.
Carc. 1B	Carcinogenicity, Category 1B.
Flam. Liq. 2	Flammable liquids, Category 2.
Skin Corr. 1B	Skin corrosion/irritation, Category 1B.
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.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.

H335	May cause respiratory irritation.
H350	May cause cancer.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains . May produce an allergic reaction.

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

Asp. Tox. 1	H304	Calculation method
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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: Hydraulic Fluid DP-PS
Ford Int. Ref. No.: 175741

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Involved Products:

	Finiscode	Part number	Container Size:
1.	1 781 003	5U7J M2C204 AB	1 l