



# COMPRESSOR OIL - AIR CONDITIONING

## SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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VERSION: 3.1

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

#### 1.1. Product identifier

Trade name	Compressor Oil - Air Conditioning
Product code	Ford Internal Ref.: 176953
SDS Number	7633
Product use	Professional use

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

Relevant identified uses	Compressor oil for air conditioning systems
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	Skin sensitisation, Category 1	H317	May cause an allergic skin reaction.
Environmental hazards	Hazardous to the aquatic environment — Chronic Hazard, Category 3	H412	Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

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

Hazard pictograms



Signal word	Warning
Contains	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-methyl-.omega.-methoxy-
Hazard statements	
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.
Precautionary statements	
Prevention	

P273 Avoid release to the environment.  
P280 Wear protective gloves.  
**Response**  
P302+P352 IF ON SKIN: Wash with plenty of water.

### 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
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-methyl-.omega.-methoxy-	24991-61-5 680-480-1	95 - < 100	Skin Sens. 1, H317	
2,6-di-tert-butyl-p-cresol	128-37-0 204-881-4 01-2119565113-46-XXXX	1 - < 1,5	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	

Full text of H-statements: see section 16

## 4. SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Inhalation** Remove person to fresh air and keep comfortable for breathing.  
**Skin contact:** Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.  
**Eyes contact** Rinse eyes with water as a precaution.  
**Ingestion** Call a poison center or a doctor if you feel unwell.

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

**Symptoms/effects after skin contact** May cause an allergic skin reaction.

### 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** Do not use water jet as an extinguisher, as this will spread the fire.

### 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. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

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. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.

**Hygiene measures** Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. 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 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

#### United Kingdom

Regulation	Substance	Type	Value
EH40. HSE	2,6-di-tert-butyl-p-cresol (128-37-0) 2,6-Di-tert-butyl-p-cresol	WEL TWA	10 mg/m <sup>3</sup>

#### **DNEL: Derived no effect level**

No data available

Components	Type	Route	Value	Form
2,6-di-tert-butyl-p-cresol (128-37-0)	Worker	Dermal	0.5 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	3.5 mg/m <sup>3</sup>	Long-term - systemic effects
	Consumer	Oral	0.25 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	0.86 mg/m <sup>3</sup>	Long-term - systemic effects
		Dermal	0.25 mg/kg bodyweight/day	Long-term - systemic effects

#### **PNEC: Predicted no effect concentration**

No data available

Components	Type	Route	Value	Form
2,6-di-tert-butyl-p-cresol (128-37-0)	Not applicable	Freshwater	0.199 µg/L	
		Seawater	0.02 µg/L	
		Freshwater	1.99 mg/l	Intermittent release
		sediment	99.6 µg/kg dw	Freshwater
		sediment	9.96 µg/kg dw	Seawater
		Soil	47.69 µg/kg	
		Oral	8.33 mg/kg food	Secondary Poisoning
		STP	0.17 mg/l	

## 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 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

**Skin and body protection**

Wear suitable protective clothing

**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

<b>Physical state</b>	Liquid
<b>Colour</b>	Clear.
<b>Odour</b>	Characteristic.
<b>Odour threshold</b>	No data available
<b>pH</b>	No data available
<b>Relative evaporation rate (butylacetate=1)</b>	No data available
<b>Melting point</b>	Not applicable
<b>Freezing point</b>	No data available
<b>Boiling point</b>	No data available
<b>Flash point</b>	≥ 246 °C
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Flammability (solid, gas)</b>	Not applicable
<b>Vapour pressure</b>	No data available
<b>Relative vapour density at 20 °C</b>	No data available
<b>Relative density</b>	No data available
<b>Density</b>	0.9954

Solubility	No data available
Log Pow	No data available
Viscosity, kinematic	48.26 mm <sup>2</sup> /s @ 40°C 10.24 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 %
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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.
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	May cause an allergic skin reaction.
Additional information	Contains epoxy constituents. May produce an allergic reaction
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

## 12. SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general Harmful to aquatic life with long lasting effects.

#### Hazardous to the aquatic environment, short-term (acute)

Substance / Product	Trophic level	Species	Type	Value	Duration	Remarks
2,6-di-tert-butyl-p-cresol (128-37-0)	crustacea	Daphnia magna	EC50	0.48 mg/l	48 hours	
	Fish	Danio rerio	LC0	> 0.5 mg/l	96 hours	

## 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

### Compressor Oil - Air Conditioning

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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 02 08\*

other engine, gear and lubricating oils

15 01 10\*

packaging containing residues of or contaminated by dangerous substances

## 14. SECTION 14: Transport information

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

Not regulated for transport

## 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

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Compressor Oil - Air Conditioning

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

Compressor Oil - Air Conditioning ; 2,6-di-tert-butyl-p-cresol

3(c) 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 class 4.1

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC (EU)

0 %

#### 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
AGW	Occupational exposure limit value
ATE	Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)
BAM	Federal Institute for Materials Research and Testing, Germany
BAT	Maximum permissible concentration of biological working substances.
BCF	Bio-concentration factor.
BLV	Biological limit values
BLV	Biological limit values (BGW, Austria)
BMGV	Biological Monitoring Guidance Value (EH40,UK).
BOD5	Biochemical oxygen demand within 5 days
BOD	Biochemical oxygen demand
bw	Body weight.
calcd.	Calculated
CAS	Chemical Abstract Service.
CEN	European Committee for Standardization
CESIO	European Committee on Organic Surfactants and their Intermediates.
COD	Chemical oxygen demand
CLP	Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.
CMR	Carcinogenic, Mutagenic or Reproduction Toxic Substances
CSA	Chemical safety assessment
CSR	Chemical Safety Report.
DMEL	Derived Minimum Effect Level.
DNEL	Derived no effect level
EAC	European waste catalogue
EC	European community
EC50	Effective concentration
EINECS	European Inventory of Existing Commercial Chemical Substances.
ELINCS	European List of Notified Chemical Substances.
EN	European norm.
ERC	ERC (Environmental Release category)
EU	European Union
GLP	Good Laboratory Practice.
GHS	Globally Harmonized System of Classification and Labeling of Chemicals.
GW/VL	Occupational exposure limit value.
GW-kw/VL-cd	Occupational exposure limit value - short term.
GW-M/VL-M	Occupational exposure limit value – "Ceiling".
IATA	International Air Transport Association
IBC code	International Bulk Chemical (Code) (International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk).
ICAO	International Civil Aviation Organization
IC50	Inhibition Concentration 50%.
IECSC	Inventory of Existing Chemical Substances in China.
IMDG	International Maritime Dangerous Goods
ISO	International Standards Organization.

IUPAC	International Union of Pure and Applied Chemistry
LC50	Lethal Concentration 50%.
LCLo	Lowest published lethal concentration.
LD50	Lethal Dose 50%.
LOAEL	Lowest Observed Adverse Effect Level
LOEC	Lowest observable effect concentration.
LOEL	Lowest observable effect level.
LQ	Limited quantities
TRK-Kzw	Threshold limit value - Short-term exposure limit / Technical reference concentration - short-time value, Austria.
MAK-Mow	Maximum allowable workplace concentration – instantaneous value, Austria.
MAK-Tmw, TRK-Tmw	Maximum allowable workplace concentration – daily mean value / Technical standard concentration – daily mean value, Austria.
MAK	Threshold limit values Germany.
MARPOL	International Convention for the Prevention of Pollution from Ships.
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
NOEL	no-observed-effect level
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limits
PBT	Persistent Bioaccumulative Toxic
PC (Chemical product category)	PC (Chemical product category)
PNEC	Predicted No-Effect Concentration
POCP	Photochemical ozone creation potential.
POP	Persistent Organic Pollutants
PPE	Personal protective equipment
Process category	Process category
REACH	Registration, Evaluation and Authorization of Chemicals (REGULATION (EC) No 1907/2006 concerning Registration, Evaluation Authorization and Restriction of Chemicals).
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SCL	Specific concentration limit.
STEL	Short-term Exposure Limit
STP	Sewage treatment plant
SU (Sector of use)	SU (Sector of use)
SVHC	Substance of Very High Concern.
TLV	Threshold Limit Value
TRGS	Technical Rules for Hazardous Substances (German Standard).
TWA	Time Weighted Average
UVCB	Substances of Unknown or Variable composition, Complex reaction products or Biological materials
VbF	Ordinance on Flammable Liquids, Austria
VOC	Volatile organic compounds
vPvB	Very Persistent and Very Bioaccumulative
WEL-TWA	Workplace Exposure Limit-Long term exposure limit (8-hour TWA(=time weighted average)reference period).
WEL-STEL	Workplace Exposure Limit-Short term exposure limit (15-minute reference period).



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

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Skin Sens. 1	H317
Aquatic Chronic 3	H412

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

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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 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3.
Skin Sens. 1	Skin sensitisation, Category 1.
H317	May cause an allergic skin reaction..
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..

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

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Skin Sens. 1	H317	Calculation method
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:** Compressor Oil - Air Conditioning

**Ford Int. Ref. No.:** 176953

REVISION DATE: 17.02.2020

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**Involved Products:**

	<b>Finiscode</b>	<b>Part number</b>	<b>Container Size:</b>
.	1 2 171 266	6U7J M1C231 CA	250 ml