



SAFETY DATA SHEET

according to regulation (EU) No 2015/830

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

1.1. Product identifier

Trade name or designation of the mixture A/C Compressor Oil DE-12
Registration number -
Synonyms None.
SDS number 6138
Product code Ford Internal Ref.: 194645
Issue date 23-July-2015
Version number 2.0
Revision date 16-August-2016
Supersedes date 23-July-2015
Product use Professional use

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

Identified uses Lubricants
Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Company name Ford Motor Company Ltd.
Address Parts Distribution Centre
Royal Oak Way South
NN11 8NT Daventry, Northants
United Kingdom

Telephone number +44 1327 305 198

Address Ford-Werke GmbH
Edsel-Ford-Str. 2-14
50769 Köln
Germany

Telephone number +49 221 90-33333

E-mail sdseu@ford.com

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

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

Health hazards

Skin sensitisation Category 1 H317 - May cause an allergic skin reaction.

Environmental hazards

Hazardous to the aquatic environment, acute aquatic hazard Category 1 H400 - Very toxic to aquatic life.

Hazardous to the aquatic environment, long-term aquatic hazard Category 2 H411 - Toxic to aquatic life with long lasting effects.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-methyl-.omega.-methoxy-, tris(nonylphenyl) phosphite

Hazard pictograms



Signal word	Warning
Hazard statements	
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

P273	Avoid release to the environment.
P280	Wear protective gloves.

Response

P363	Wash contaminated clothing before reuse.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P391	Collect spillage.

Storage

None.

Disposal

None.

Supplemental label information EUH205 - Contains epoxy constituents. May produce an allergic reaction.

2.3. Other hazards The mixture contains no substance that fulfils the criteria of a PBT- or vPvB substance.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-methyl-.omega.-methoxy-	80 - < 95	24991-61-5 -	-	-	
Classification:	Skin Sens. 1;H317				
Decyloxirane	1 - < 2	2855-19-8 220-667-3	01-2119943390-42-XXXX	-	M(acute) = 10
Classification:	Skin Irrit. 2;H315, Aquatic Acute 1;H400, Aquatic Chronic 1;H410				
Dodecyloxirane	1 - < 2	3234-28-4 221-781-6	01-2119943387-29-XXXX	-	M(acute) = 100 M(chronic) = 10
Classification:	Skin Irrit. 2;H315, Aquatic Acute 1;H400, Aquatic Chronic 1;H410				
2,6-di-tert-butyl-p-cresol	0.1 - < 1	128-37-0 204-881-4	-	-	
Classification:	Aquatic Acute 1;H400, Aquatic Chronic 1;H410				
Tris(methylphenyl) phosphate	0.1 - < 1	1330-78-5 215-548-8	-	-	
Classification:	Repr. 2;H361, Aquatic Acute 1;H400, Aquatic Chronic 1;H410				
tris(nonylphenyl) phosphite	0.1 - < 0.8	26523-78-4 247-759-6	-	015-202-00-4	
Classification:	Skin Sens. 1;H317, Aquatic Acute 1;H400, Aquatic Chronic 1;H410				

List of abbreviations and symbols that may be used above:

M: M-factor

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

4.1. Description of first aid measures

Inhalation

Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact

Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
4.2. Most important symptoms and effects, both acute and delayed	May cause an allergic skin reaction.
4.3. Indication of any immediate medical attention and special treatment needed	Treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards	No unusual fire or explosion hazards noted.
5.1. Extinguishing media	
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
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	During fire, gases hazardous to health may be formed.
5.3. Advice for firefighters	
Special protective equipment for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Special fire fighting procedures	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures	
For non-emergency personnel	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
For emergency responders	Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.
6.2. Environmental precautions	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
6.3. Methods and material for containment and cleaning up	The product is immiscible with water and will spread on the water surface. Prevent product from entering drains. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use.
6.4. Reference to other sections	For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling	Provide adequate ventilation. Avoid prolonged exposure. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices. Avoid contact with skin and eyes.
7.2. Conditions for safe storage, including any incompatibilities	Store in tightly closed original container in a dry, cool and well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).
7.3. Specific end use(s)	Compressor oil for air conditioning systems

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
2,6-di-tert-butyl-p-cresol (CAS 128-37-0)	TWA	10 mg/m3

Biological limit values No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no effect levels (DNELs)

Components	Type	Route	Value	Form
Decyloxirane (CAS 2855-19-8)	Consumer	Dermal	6.25 mg/kg/BW/day	
		Inhalation	10.9 mg/m3	
		Oral	6.25 mg/kg/BW/day	
Dodecyloxirane (CAS 3234-28-4)	Consumer	Dermal	6.25 mg/kg/BW/day	
		Inhalation	10.9 mg/m3	
		Oral	6.25 mg/kg/BW/day	
Decyloxirane (CAS 2855-19-8)	Professional	Dermal	10.4 mg/kg/BW/day	
		Inhalation	36.7 mg/m3	
		Oral	6.25 mg/kg/BW/day	
Dodecyloxirane (CAS 3234-28-4)	Professional	Dermal	10.4 mg/kg/BW/day	
		Inhalation	36.7 mg/m3	
		Oral	6.25 mg/kg/BW/day	

Predicted no effect concentrations (PNECs)

Components	Type	Route	Value	Form
Decyloxirane (CAS 2855-19-8)	Not applicable	Freshwater	0.056 µg/l	
		Seawater	0.006 µg/l	
		STP	2.61 mg/l	
		Water	0.557 µg/l	
Comments:	Intermittent release			
Dodecyloxirane (CAS 3234-28-4)	Not applicable	Freshwater	0.056 µg/l	
		Seawater	0.006 µg/l	
		STP	2.61 mg/l	
		Water	0.557 µg/l	
Comments:	Intermittent release			

8.2. Exposure 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.

Individual protection measures, such as personal protective equipment

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

Eye/face protection Wear tight-fitting goggles or face shield.

Skin protection

- Hand protection Nitrile gloves are recommended.
Glove thickness > 0.3 mm.
Protective gloves complying with EN 374.

- Other	Wear suitable protective clothing.
Respiratory protection	No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
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.
Environmental exposure controls	Environmental manager must be informed of all major releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Clear.
Physical state	Liquid.
Form	Liquid.
Colour	Light yellow.
Odour	Characteristic
Odour threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	182.0 °C (359.6 °F) Cleveland open cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Insoluble.
Solubility (other)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

9.2. Other information

Density	0.985 g/cm ³ @ 15°C
Kinematic viscosity	9.079 mm ² /s @ 100 °C 39.45 mm ² /s @ 40°C
Pour point	-40 °C (-40 °F)
VOC (EU)	Not applicable.
VOC (CH)	< 3 %

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Contact with incompatible materials.

10.5. Incompatible materials	Strong oxidising agents.
10.6. Hazardous decomposition products	Irritating and/or toxic fumes and gases may be emitted upon the products decomposition. Oxides of phosphorus. Carbon oxides.

SECTION 11: Toxicological information

General information Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful.
Skin contact	May cause an allergic skin reaction.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

Symptoms May cause an allergic skin reaction.

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/eye irritation	Based on available data, the classification criteria are not met.
Respiratory sensitisation	Based on available data, the classification criteria are not met.
Skin sensitisation	May cause an allergic skin 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.
Specific target organ toxicity - single exposure	Based on available data, the classification criteria are not met.
Specific target organ toxicity - repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.
Mixture versus substance information	No information available.
Other information	Contains epoxy constituents. May produce an allergic reaction.

SECTION 12: Ecological information

12.1. Toxicity Very toxic to aquatic life with long lasting effects.

Components	Species	Test results
2,6-di-tert-butyl-p-cresol (CAS 128-37-0)		
<i>Acute</i>		
Algae	EC50	Scenedesmus subspicatus > 0.4 mg/l, 72 hours
Aquatic		
<i>Acute</i>		
Crustacea	EC0	Daphnia magna > 0.31 mg/l, 48 hours
Fish	LC0	Danio rerio > 0.5 mg/l, 96 hours
Decyloxirane (CAS 2855-19-8)		
<i>Acute</i>		
Other	EC50	Pseudokirchnerella subcapitata 0.056 mg/l, 72 hours OECD 201
Aquatic		
<i>Acute</i>		
Crustacea	EC50	Daphnia magna 0.171 mg/l, 48 hours OECD 202
Dodecyloxirane (CAS 3234-28-4)		
<i>Acute</i>		
Other	EC50	Pseudokirchnerella subcapitata 0.002 mg/l, 72 hours OECD 201
<i>Chronic</i>		
Other	NOEC	Pseudokirchnerella subcapitata 0.002 mg/l, 72 hours

Components	Species	Test results
Tris(methylphenyl) phosphate (CAS 1330-78-5)		
Aquatic		
<i>Acute</i>		
Fish	LC50	Oncorhynchus mykiss
		0.21 - 0.32 mg/l, 96 hours
tris(nonylphenyl) phosphite (CAS 26523-78-4)		
Aquatic		
Crustacea	EC50	Daphnia magna
		0.42 mg/l, 48 hours
12.2. Persistence and degradability	No data is available on the degradability of this product.	
Biodegradability		
Percent degradation (Aerobic biodegradation)		
Dodecyloxirane		60 - 70 % OECD 301 B, 10-day window not fulfilled Test Duration: 28 days
12.3. Bioaccumulative potential		
Partition coefficient n-octanol/water (log Kow)		
Tris(methylphenyl) phosphate		5.11
12.4. Mobility in soil	No data available.	
12.5. Results of PBT and vPvB assessment	The mixture contains no substance that fulfils the criteria of a PBT- or vPvB substance.	
12.6. 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 component.	

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste	Dispose of in accordance with local regulations. 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).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
EU waste code	13 02 08 15 01 10
Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Special precautions	Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. UN number	UN3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Decyloxirane, Dodecyloxirane)
14.3. Transport hazard class(es)	
Class	9
Subsidiary risk	-
Label(s)	9
Hazard No. (ADR)	90
Tunnel restriction code	E
14.4. Packing group	III
14.5. Environmental hazards	Yes
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Classification code	M6
Special provisions	274,335,375, 601

IATA

14.1. UN number	UN3082
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14.2. UN proper shipping name Environmentally hazardous substance, liquid, n.o.s. (Decyloxirane, Dodecyloxirane)

14.3. Transport hazard class(es)

Class 9

Subsidiary risk -

14.4. Packing group III

Packaging instructions 964

Packaging instructions cargo only 964

14.5. Environmental hazards Yes

ERG Code 9L

14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo aircraft Allowed with restrictions.

Cargo aircraft only Allowed with restrictions.

Maximum net quantity packaging - Passenger and cargo aircraft 450 L

Maximum net quantity packaging cargo only 450 L

Maximum net quantity packaging - Limited quantity 30.00 kg

Special provisions A97, A158, A197

IMDG

14.1. UN number UN3082

14.2. UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Decyloxirane, Dodecyloxirane), Marine pollutant

14.3. Transport hazard class(es)

Class 9

Subsidiary risk -

14.4. Packing group III

14.5. Environmental hazards

Marine pollutant Yes

EmS F-A, S-F

14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Special provisions 274,335,969

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not available.

SECTION 15: Regulatory information

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

EU regulations

Not applicable.

Restrictions on use

Not applicable.

Other regulations

This Safety Data Sheet complies with the requirements of Regulation (EC) No 2015/830.

Other EU regulations

Directive 94/33/EC on the protection of young people at work, as amended

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-methyl-.omega.-methoxy- (CAS 24991-61-5)
tris(nonylphenyl) phosphite (CAS 26523-78-4)

VOC (EU): Not applicable.

Directive 2012/18/EU on major accident hazards involving dangerous substances

Category: E1

National regulations

Follow national regulation for work with chemical agents.

SECTION 16: Other information

List of abbreviations

AC: Article category.
acc., acc.to: according, according to.
ACGIH: American Conference of Governmental Industrial Hygienists.
AFNOR: French Institute for Standards (Association Française de Normalisation).
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures).
ADR: European agreement concerning the international carriage of dangerous goods by road (Accord européen relatif transport des marchandises dangereuses par route).
AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany).
AICS: Australian Inventory of Chemical Substances.
ANSI: American National Standards Institute.
AOEL: Acceptable Operator Exposure Level.
AOX: adsorbable organic halogen compounds.
approx.: approximately.
ASTM: ASTM International.
ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP).
BAM: Federal Institute for Materials Research and Testing, Germany (Bundesanstalt für Materialforschung und -prüfung).
Maximum permissible concentration of biological working substances (BAT: Biologische Arbeitsstofftoleranzwerte).
BAuA: Federal Institute for Occupational Health and Safety, Germany (Bundesanstalt für Arbeitsschutz und Arbeitsmedizin).
BCF: Bio-concentration factor.
BET: Brunauer-Emmett-Teller.
BLV: Biological Limit Value.
BLV: Biological Limit Value (BGW: Biologischer Grenzwert, Austria).
BMGV: Biological Monitoring Guidance Value (EH40,UK).
BSI: British Standards Institution.
BS: British Standard.
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 (Comité Européen de Normalisation).
CESIO: European Committee on Organic Surfactants and their Intermediates (Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques).
ChemRRV: Ordinance on the risk reduction related to chemical products (ChemRRV: Chemikalien-Risikoreduktions-verordnung, Switzerland).
CLP: Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.
CMR: Substances classified as Carcinogenic, Mutagenic or toxic for Reproduction.
CNS: Central Nervous System.
CNT: Carbon nanotubes.
COD: Chemical Oxygen Demand.
CSA: Chemical Safety Assessment.
CSR: Chemical Safety Report.
DETEC: Swiss Federal Department of the Environment, Transport, Energy and Communications.
DIN: German Standards Institute / German industrial norm (Deutsches Institut für Normung / Deutsche Industrienorm).
DMEL: Derived Minimum Effect Level.
DNEL: Derived No Effect Level.
DOC: Dissolved organic carbon.
DPD: Directive 1999-45-EC / Dangerous Preparations Directive.
DSD: Directive 67/548-EC / Dangerous Substances Directive.
DSL: Canada, Domestic Substances List.
DU: Downstream User.
dw: dry weight.
e.g.: For example, for instance.
EBW: Exposure Based Waiving.
EC: European Community.
EC50: Effective Concentration 50%.
ECHA: European Chemical Agency.
EINECS: European Inventory of Existing Commercial Chemical Substances.

ELINCS: European List of Notified Chemical Substances.
 EN: European norm.
 ENCS: Japan, Inventory of Existing and New Chemical Substances.
 EPA: United States Environmental Protection Agency.
 ERC: Environmental release category.
 ES: Exposure scenario.
 EU: European Union
 EUSES: European Union System for the Evaluation of Substances.
 EWC/EWL: European Waste Catalogue.
 GCL: General concentration limit.
 gen.: general.
 GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
 GLP: Good Laboratory Practice.
 GW/VL: Occupational exposure limit value.
 GW-kw: Occupational exposure limit value - short term.
 GW-M/VL-M: Occupational exposure limit value – "Ceiling".
 GWP: Global Warming Potential.
 HPV: High Production Volume Chemicals.
 HEPA: High Efficiency Particulate Air.
 IARC: International Agency for Research on Cancer.
 IATA: International Air Transport Association.
 IBC: Intermediate Bulk Container.
 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 Code: International Maritime Dangerous Goods Code.
 IMO: International Maritime Organization.
 incl.: including, inclusive.
 ISO: International Standards Organization.
 IUCLID: International Uniform Chemical Information Database.
 IUPAC: International Union for Pure Applied Chemistry.
 KECI: Korea Existing Chemicals Inventory.
 LCA: Life Cycle Assessment.
 LC: Lethal Concentration.
 LC50: Lethal Concentration 50%.
 LCLo: Lowest published lethal concentration.
 LD50: Lethal Dose 50%.
 LEV: Local exhaust ventilation.
 LOAEL: Lowest observed adverse effect level.
 LOEC: Lowest observable effect concentration.
 LOEL: Lowest observable effect level.
 LPV: Low Production Volume Chemicals.
 LQ: Limited Quantities.
 Air Quality Control Regulation (LRV: Luftreinhalteverordnung, Switzerland).
 TLV-STEL: Threshold limit value - Short-term exposure limit / Technical reference concentration - short-time value (TRK-Kzw = Technische Richtkonzentration - Kurzzeitwert).
 Maximum allowable workplace concentration – instantaneous value (MAK-Mow: Maximale Arbeitsplatzkonzentration – Momentanwert, Austria)
 Maximum allowable workplace concentration – daily mean value / Technical standard concentration – daily mean value (MAK-Tmw, TRK-Tmw : Maximale Arbeitsplatzkonzentration - Tagesmittelwert / TRK-Tmw = Technische Richtkonzentration – Tagesmittelwert, Austria).
 MAK: Threshold limit values Germany (Maximale Arbeitsplatzkonzentration - DFG).
 MARPOL: International Convention for the Prevention of Pollution From Ships.
 MTD: Maximum tolerated dose.
 MWCNT: Multi-walled carbon nanotubes.
 n.a.: not applicable.
 N/A: Not available.
 n.d.: not determined.
 NLP: No Longer Polymers.
 NDSL: Canada, Non-Domestic Substances List.
 NF: French Norm (See AFNOR).
 NFPA: National Fire Protection Association.
 NIOSH: National Institute for Occupational Safety & Health.
 NOAEC: No Observed Adverse Effect Concentration.
 NOAEL: No observed adverse effect level.
 NOEC: No observed effect concentration.

NOEL: No observed effect level.
 NTP: National Toxicology Program.
 NZIoC: New Zealand Inventory of Chemicals.
 ODP: Ozone Depletion Potential.
 OECD: Organization for Economic Cooperation and Development.
 OEL: Occupational Exposure Limit.
 org.: organic.
 OSHA: Occupational Safety & Health Administration.
 PAH: Polycyclic Aromatic Hydrocarbons.
 PBT: Persistent, bioaccumulative, toxic.
 PC: Product category.
 PE: Polyethylene.
 PEC: Predicted Environmental Concentration.
 PEL: Permissible Exposure Limit.
 PIC: Prior Informed Consent.
 PICCS: Philippines Inventory of Commercial Chemical Substances.
 PNEC: Predicted No Effect Concentration.
 POCP: Photochemical ozone creation potential (Photochemisches Ozonbildungspotenzial).
 POP: Persistent Organic Pollutant.
 PPORD: Product and Process Oriented Research and Development.
 PPE: Personal Protective Equipment.
 PROC: Process category.
 RA: Risk Assessment.
 RAR: Risk Assessment Report.
 RCRA: Resource Conservation Recovery Act.
 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 (Règlement International concernant le transport de marchandises dangereuses par chemin de fer).
 RMM: Risk Management Measure.
 RTECS: Registry of Toxic Effects of Chemical Substances.
 QSAR: Quantitative Structure Activity Relation.
 SARA: Superfund Amendments and Reauthorization Act.
 SADT: Self-Accelerating Decomposition Temperature.
 SCL: Specific concentration limit.
 SEA: socio economic analysis.
 STEL: Short-term Exposure Limit.
 STP: Sewage treatment plant.
 SU: Sector of use.
 SVHC: Substance of Very High Concern.
 SWCNT: single-walled carbon nanotubes.
 ThOD: Theoretical oxygen demand.
 TOC: Total Organic Carbon.
 TLV: Threshold Limit Value.
 TRA: Targeted Risk Assessment.
 TRGS: Technical Rules for Hazardous Substances (German Standard)
 TSCA: Toxic Substance Control Act.
 TWA: Time Weighted Average.
 UC: Use category.
 UDS: Use descriptor system.
 UEC: Use and exposure categories.
 UN: United Nations.
 UN RTDG: United Nations Recommendations on the Transport of Dangerous Goods.
 UVCB: Unknown or Variable Composition, Complex Reaction Products, and Biological Materials.
 Regulation on combustible liquids (VbF: Verordnung über brennbare Flüssigkeiten, Austria).
 Regulation of the Austria Minister for Labor and Social Affairs regarding health surveillance at the workplace (VGÜ = Verordnung des Bundesministers für Arbeit und Soziales über die Gesundheitsüberwachung am Arbeitsplatz).
 VOC: Volatile organic compounds.
 vPvB: very Persistent, 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).
 WoE: Weight of evidence.
 WHMIS: Workplace Hazardous Materials Information System.
 WHO: World Health Organization.
 wwt: wet weight.

References

Not available.

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any H-statements not written out in full under Sections 2 to 15

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H361 Suspected of damaging fertility or the unborn child.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Revision information

This document has undergone significant changes and should be reviewed in its entirety.

Training information

Follow training instructions when handling this material.

Disclaimer

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: A/C Compressor Oil DE-12
Ford Int. Ref. No.: 194645

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Print Date: 16.08.2016

Involved Products:

	Finiscode	Part number	Container Size:
1.	1 940 124	FU7J M2C300 AA	250 ml