



# 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** Transmission Oil BO-DC  
**Registration number** -  
**Synonyms** None.  
**SDS number** 7956  
**Product code** Ford Internal Ref.:167682  
**Issue date** 23-July-2014  
**Version number** 3.1  
**Revision date** 28-November-2016  
**Supersedes date** 23-February-2016  
**Product use** Public use

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

**Identified uses** Transmission oil  
**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**

##### **Environmental hazards**

Hazardous to the aquatic environment, Category 3  
long-term aquatic hazard

H412 - Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

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

**Hazard pictograms** None.  
**Signal word** None.  
**Hazard statements**  
H412 Harmful to aquatic life with long lasting effects.

#### **Precautionary statements**

**Prevention**  
P273 Avoid release to the environment.  
**Response** None.  
**Storage** None.

**Disposal**

P501

Dispose of contents/container to an approved waste disposal plant

**Supplemental label information** EUH208 - Contains C14-18 alpha-olefin epoxide, reaction products with boric acid, 1-(tert-dodecylthio)propan-2-ol. 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
1-decene, Trimers, Hydrogenated	75 - < 90	157707-86-3 500-393-3	01-2119493949-12-XXXX	-	UVCB
<b>Classification:</b>	Asp. Tox. 1;H304				
Base oil	1 - < 3	*	-	-	
<b>Classification:</b>	Asp. Tox. 1;H304				
Isooctadecanoic acid, reaction products with tetraethylenepentamine	1 - < 3	68784-17-8 272-225-4	-	-	
<b>Classification:</b>	Skin Irrit. 2;H315, Eye Irrit. 2;H319				
1-(tert-dodecylthio)propan-2-ol	0.3 - < 1	67124-09-8 266-582-5	01-2119953277-30-XXXX	-	UVCB, Skin Sens. 1;H317: 14.2% ≤ C ≤ 100%
<b>Classification:</b>	Skin Sens. 1;H317, Aquatic Chronic 1;H410				
C14-18 alpha-olefin epoxide, reaction products with boric acid	0.3 - < 1	N/A 939-580-3	-	-	
<b>Classification:</b>	Skin Sens. 1B;H317				

List of abbreviations and symbols that may be used above:

UVCB: Substances of Unknown or Variable composition, Complex reaction products or Biological materials \* Contains one or more of the following CAS-numbers (REACH registration numbers): 101316-69-2, 101316-70-5, 101316-71-6, 101316-72-7, 64741-88-4, 64741-89-5, 64741-95-3, 64741-96-4, 64741-97-5, 64742-01-4, 64742-44-5, 64742-45-6, 64742-52-5, 64742-53-6, 64742-54-7, 64742-55-8, 64742-56-9, 64742-57-0, 64742-58-1, 64742-62-7, 64742-63-8,

**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. Get medical attention immediately.

**Skin contact**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

**Eye contact**

Rinse immediately with plenty of water, also under the eyelids. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.

**Ingestion**

Do not induce vomiting without advice from poison control center. Never give anything by mouth to a victim who is unconscious or is having convulsions. Get medical attention if symptoms occur.

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

Direct contact with eyes may cause temporary irritation.

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

Provide general supportive measures and treat symptomatically. Symptoms may be delayed. Keep victim under observation.

**SECTION 5: Firefighting measures****General fire hazards** Move containers from fire area if you can do it without risk.

<b>5.1. Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Dry powder. Foam.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>5.2. Special hazards arising from the substance or mixture</b>	Fire may produce irritating, corrosive and/or toxic gases. Carbon oxides. Nitrogen oxides (NOx).
<b>5.3. Advice for firefighters</b>	
<b>Special protective equipment for firefighters</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
<b>Special fire fighting procedures</b>	In case of fire: Evacuate area. Water runoff can cause environmental damage. Prevent runoff from fire control or dilution from entering streams, sewers or drinking water supply.
<b>Specific methods</b>	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**

<b>For non-emergency personnel</b>	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.
<b>For emergency responders</b>	Keep unnecessary personnel away. Ensure adequate ventilation. Wear suitable respiratory protection. Use personal protection recommended in Section 8 of the SDS.

**6.2. Environmental precautions** Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

**6.3. Methods and material for containment and cleaning up** 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. Prevent product from entering drains. Following product recovery, flush area with water.

Small Spills: Stop leak if you can do it without risk. Move containers from fire area if you can do it without risk. Absorb spill with vermiculite or other inert material. Dispose in accordance with all applicable regulations.

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**

<b>7.1. Precautions for safe handling</b>	Provide adequate ventilation. Wear appropriate personal protective equipment. Do not ingest. Avoid contact with eyes, skin, and clothing. Avoid breathing mist or vapour. Avoid release to the environment. Do not empty into drains. Do not re-use empty containers. Do not eat, drink or smoke when using the product. Wash thoroughly after handling.
<b>7.2. Conditions for safe storage, including any incompatibilities</b>	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). Keep container closed when not in use. Use appropriate containment to avoid environmental contamination. Store in accordance with local/regional/national/international regulation.
<b>7.3. Specific end use(s)</b>	Transmission oil

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Recommended monitoring procedures</b>	Follow standard monitoring procedures.

### **Derived no effect levels (DNELs)**

#### **General Population**

<b>Components</b>	<b>Value</b>	<b>Assessment factor</b>	<b>Notes</b>
1-(tert-dodecylthio)propan-2-ol (CAS 67124-09-8)			
Long-term, Systemic, Dermal	1.67 mg/kg	200	Developmental toxicity
Long-term, Systemic, Inhalation	2.9 mg/m3	50	Developmental toxicity
Long-term, Systemic, Oral	0.84 mg/kg	200	Developmental toxicity
Short-term, Local, Dermal	107.7 µg/cm <sup>2</sup>	30	Skin sensitisation

## Workers

Components	Value	Assessment factor	Notes
1-(tert-dodecylthio)propan-2-ol (CAS 67124-09-8)			
Long-term, Systemic, Dermal	3.34 mg/kg	100	Developmental toxicity
Long-term, Systemic, Inhalation	11.8 mg/m <sup>3</sup>	25	Developmental toxicity
Short-term, Local, Dermal	215.4 µg/cm <sup>2</sup>	15	Skin sensitisation

### Predicted no effect concentrations (PNECs)

Components	Value	Assessment factor	Notes
1-(tert-dodecylthio)propan-2-ol (CAS 67124-09-8)			
Freshwater	0.006 mg/l	50	
Intermittent releases	0.006 mg/l	100	
Marine water	0.001 mg/l	500	
Secondary Poisoning	33.33 mg/kg	300	
Sediment (freshwater)	8.28 mg/kg	100	
Sediment (marine water)	0.828 mg/kg	1000	
Soil	0.244 mg/kg		
STP	100 mg/l	100	

## 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

Use personal protective equipment as required. 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

Face shield is recommended. Wear safety glasses with side shields (or goggles).

#### Skin protection

##### - Hand protection

Nitrile rubber

Glove thickness 0.4 mm.  
Break through time  $\geq$  480 min

Glove recommendation: Camatril Velours® 730 (Kächele-Cama GmbH, source of supply see [www.kcl.de](http://www.kcl.de)) or comparable product.

Hand protection in case of splash contact:  
Nitrile rubber

Glove thickness 0.4 mm.  
Break through time  $\geq$  480 min

Glove recommendation: Camatril Velours® 730 (Kächele-Cama GmbH, source of supply see [www.kcl.de](http://www.kcl.de)) or comparable product.

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.

##### - Other

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

#### Respiratory protection

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

Contain spills and prevent releases and observe national regulations on emissions. 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

Physical state	Liquid.
Form	Liquid.

<b>Colour</b>	Not available.
<b>Odour</b>	Not available.
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	228.0 °C (442.4 °F) Cleveland open cup
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Vapour pressure</b>	Not available.
<b>Vapour density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	insoluble
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Explosive properties</b>	Not available.
<b>Oxidising properties</b>	Not available.
<b>9.2. Other information</b>	
<b>Density</b>	0.84 g/cm <sup>3</sup> @ 15°C
<b>Kinematic viscosity</b>	6.5 mm <sup>2</sup> /s @ 100°C 32 mm <sup>2</sup> /s @ 40°C
<b>Pour point</b>	-66 °C (-86.8 °F)
<b>VOC (EU)</b>	0 %
<b>VOC (CH)</b>	< 3 %

## **SECTION 10: Stability and reactivity**

<b>10.1. Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>10.2. Chemical stability</b>	Material is stable under normal conditions.
<b>10.3. Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>10.4. Conditions to avoid</b>	Avoid heat, sparks, open flames and other ignition sources. Contact with incompatible materials.
<b>10.5. Incompatible materials</b>	Oxidizing agents.
<b>10.6. Hazardous decomposition products</b>	No hazardous decomposition products are known.

## **SECTION 11: Toxicological information**

<b>General information</b>	Occupational exposure to the substance or mixture may cause adverse effects.
<b>Information on likely routes of exposure</b>	
<b>Inhalation</b>	May cause irritation to the respiratory system.
<b>Skin contact</b>	Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. May cause an allergic skin reaction.
<b>Eye contact</b>	May cause redness and pain.
<b>Ingestion</b>	Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhoea.
<b>Symptoms</b>	Exposure may cause temporary irritation, redness, or discomfort.
<b>11.1. Information on toxicological effects</b>	
<b>Acute toxicity</b>	Based on available data, the classification criteria are not met.
<b>Skin corrosion/irritation</b>	Based on available data, the classification criteria are not met.

<b>Serious eye damage/eye irritation</b>	Based on available data, the classification criteria are not met.
<b>Respiratory sensitisation</b>	Based on available data, the classification criteria are not met.
<b>Skin sensitisation</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity - single exposure</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity - repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.
<b>Mixture versus substance information</b>	No information available.
<b>Other information</b>	Not available.

## **SECTION 12: Ecological information**

**12.1. Toxicity** Harmful to aquatic life with long lasting effects.

<b>Components</b>	<b>Species</b>		<b>Test results</b>
1-(tert-dodecylthio)propan-2-ol (CAS 67124-09-8)			
<b>Aquatic</b>			
<i>Acute</i>			
Crustacea	EL50	Daphnia magna	0.58 mg/l, 48 hours (OECD 202)
Fish	LL50	Oncorhynchus mykiss	0.42 mg/l, 96 hours (OECD 203)

**12.2. Persistence and degradability** Not inherently biodegradable.

### **Biodegradability**

#### **Percent degradation (Aerobic biodegradation)**

1-(tert-dodecylthio)propan-2-ol	5.9 % (OECD 301 F) Test Duration: 28 days
1-decene, Trimers, Hydrogenated	66 % OECD 301 D Test Duration: 28 days

**12.3. Bioaccumulative potential** The product is not bioaccumulating.

**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** An oilfilm 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**

<b>Residual waste</b>	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).
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.
<b>EU waste code</b>	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.  13 02 08  15 01 10
<b>Disposal methods/information</b>	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.
<b>Special precautions</b>	Dispose in accordance with all applicable regulations.

## **SECTION 14: Transport information**

### **ADR**

Not regulated as dangerous goods.

### **IATA**

Not regulated as dangerous goods.

### **IMDG**

Not regulated as dangerous goods.

## **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**

The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 2015/830.

#### **Other EU regulations**

Not applicable.

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

1-(tert-dodecylthio)propan-2-ol (CAS 67124-09-8)

Isocetadecanoic acid, reaction products with tetraethylenepentamine (CAS 68784-17-8)

**VOC (EU):** 0 %

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

Not applicable

#### **National regulations**

Follow national regulation for work with chemical agents.

### **15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out.

## **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.  
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.  
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.  
Not available.

## References

### 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

H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H410 Very toxic to aquatic life with long lasting effects.

## Revision information

Composition / Information on Ingredients: Disclosure Overrides  
SECTION 3: Composition/information on ingredients: Composition comments  
SECTION 3: Composition/information on ingredients: Component information  
SECTION 6: Accidental release measures: For non-emergency personnel  
SECTION 6: Accidental release measures: For emergency responders  
SECTION 7: Handling and storage: 7.2. Conditions for safe storage, including any incompatibilities  
SECTION 7: Handling and storage: Suitable storage conditions  
SECTION 8: Exposure controls/personal protection: - Hand protection  
SECTION 13: Disposal considerations: Disposal methods/information  
SECTION 15: Regulatory information: National regulations

## 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:** Transmission Oil BO-DC  
**Ford Int. Ref. No.:** 167682

**Page:** 1/1  
**Print Date:** 28.11.2016

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## Involved Products:

	<b>Finiscode</b>	<b>Part number</b>	<b>Container Size:</b>
1.	1 490 763	6U7J M2C936 AA	1 l
2.	1 490 761	6U7J M2C936 BA	5 l
3.	2 113 428	6U7J M2C936 CA	60 l