

# EUROTEC TRANSFORMER OIL T-1500

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation

(EU) 2015/830 Date of issue: 6/1/2017 Supersedes: 5/1/2015

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

#### 1.1. Product identifier

Product form	: Mixture
Product name	: EUROTEC TRANSFORMER OIL T-1500
Product code	: M000
Type of product	: Transformer Oil, Lubricants
Synonyms	: Transformer oils
Product group	: Blend

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

##### 1.2.1. Relevant identified uses

Intended for general public	
Main use category	: Consumer use, Professional use
Industrial/Professional use spec	: Distribution Formulation & (re)packing of substances and mixtures Used in closed systems Engine oils
Function or use category	: Functional Fluids

##### 1.2.2. Uses advised against

Restrictions on use	: Comply with instructions for use (refer to technical sheet)
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#### 1.3. Details of the supplier of the safety data sheet

ALCO LLC - Aminol Lubricating Oil Azerbaijan,  
Sumgait, Kimyachilar 1, AZ1000  
Phone: +994 12 505 68 10  
info@azlub.com

#### 1.4. Emergency telephone number

Emergency number : Unified emergency number: 112

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture Classification

according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation,	H319
Hazardous to the aquatic environment — Chronic Hazard, Category 3	H412

Full text of hazard classes and H-statements : see section 16

#### Adverse physicochemical, human health and environmental effects

Causes eye irritation. Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

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

Hazard pictograms (CLP)



GHS07

Signal word (CLP)

: Warning

Hazard statements (CLP)

: H319- Causes serious eye irritation  
H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (CLP)

: P101 - If medical advice is needed, have product container or label at hand  
P102 - Keep out of reach of children  
P273 - Avoid release to the environment

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P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

EUH-statements : EUH210 - Safety data sheet available on request  
Security closing plug for children : Not applicable  
Tactile warning : Not applicable

### 2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions  
PBT: not relevant – no registration required  
vPvB: not relevant – no registration required

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), solvent-dewaxed heavy paraffinic	EINECS/CAS No. 64742-65-0/ 265-169-7	<100.00	Expl. Not classified
DMSO content (IP 346)		<3,0	

Comments : 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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person.  
First-aid measures after inhalation : Give oxygen or artificial respiration if necessary. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get immediate medical advice/attention.  
First-aid measures after skin contact : Wash skin with plenty of water. Remove/Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.  
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
First-aid measures after 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 : Not expected to present a significant hazard under anticipated conditions of normal use.  
Symptoms/effects after inhalation : May cause drowsiness or dizziness. May cause headache, nausea and irritation of respiratory tract.  
Symptoms/effects after skin contact : Contact during a long period may cause light irritation. Repeated exposure may cause skin dryness or cracking.  
Symptoms/effects after eye contact : Causes serious eye irritation. redness, itching, tears

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Symptoms/effects after ingestion : Ingestion may cause nausea and vomiting. Risk of lung oedema.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

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

Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : In case of fire and/or explosion do not breathe fumes.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

Precautionary measures fire : Evacuate area. Eliminate all ignition sources if safe to do so.

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

Other information : On exposure to high temperature, may decompose, releasing toxic gases.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Clean up any spills as soon as possible, using an absorbent material to collect it. Eliminate every possible source of ignition.

#### 6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing mist, vapours.

#### 6.1.2. 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".

Emergency procedures : Ventilate area. Stop release. Cover spill with non-combustible material, e.g.: sand/earth. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Evacuate unnecessary personnel.

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material.

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

### 6.4. Reference to other sections

further information refer to section 13.

## 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 mist, vapours. 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

Technical measures : Comply with applicable regulations. Use only non-sparking tools.

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

Incompatible products : Oxidizing agent.

Incompatible materials : Sources of ignition.

### 7.3. Specific end use(s)

Product information.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)		
EU	IOELV TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
EU	IOELV STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>

### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Personal protective equipment:

Gloves. Protective clothing. Protective goggles.

#### Hand protection:

protective gloves: neoprene gloves, PVA. Chemical resistant PVC gloves (to European standard EN 374 or equivalent). EN 420

#### Eye protection:

Safety glasses. EN 166. EN 168

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. EN 405



#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: brown.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Boiling point	: > 315°C
Flash point	: 150 °C
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: < 10 Pa
Relative vapour density at 20 °C	: > 1
Relative density	: No data available
Density	: 0.883
Solubility	: soluble in most organic solvents.
Log Pow	: No data available
Viscosity, kinematic	: 10 cSt@40°C
Viscosity, dynamic	: No data available
Explosive properties	: Not applicable.
Oxidising properties	: Not applicable.
Explosive limits	: No data available



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### 9.2. Other information

No additional information available

## 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). Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### 10.5. Incompatible materials

Oxidizing agent. Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

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

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
LD50 oral rat	> 5000 mg/kg bodyweight (OECD 401 method)
LD50 dermal rabbit	> 2000 mg/kg bodyweight (OECD 402 method)
LC50 inhalation rat (mg/l)	> 5 mg/l/4h (OECD 403 method)
phenol,dodecyl-, branched (121158-58-5)	
LD50 oral rat	2100 mg/kg bodyweight (OECD 401 method)
LD50 dermal rat	15000 mg/kg bodyweight (OECD 402 method)
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)	
LD50 oral rat	≈ 4468 mg/kg bodyweight (OECD 401 method)
LD50 dermal rat	> 2002 mg/kg bodyweight (OECD 402 method)
LC50 inhalation rat (mg/l)	> 2.3 mg/l (OECD 403 method)
Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts (68457-79-4)	
LD50 oral rat	> 3600 mg/kg (OECD 202 method)
LD50 dermal rat	> 20 g/kg

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: This substance does not meet the criteria for classification as CMR category 1A or 1B according to CLP
Carcinogenicity	: This substance does not meet the criteria for classification as CMR category 1A or 1B according to CLP
Reproductive toxicity	: This substance does not meet the criteria for classification as CMR category 1A or 1B according to CLP
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)STOT-
repeated exposure	: Not classified (Based on available data, the classification criteria are not met)

phenol,dodecyl-, branched (121158-58-5)	
NOAEL (oral, rat, 90 days)	15 mg/kg bodyweight/day (OECD 416 method)
NOAEL (subacute, oral, animal/male, 28 days)	60 mg/kg bodyweight (OECD 407 method)

Aspiration hazard : Not classified

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Viscosity, kinematic	10.0 mm <sup>2</sup> /s @40°C
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Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

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### SECTION 12: Ecological information

#### 12.1. Toxicity

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

<b>Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)</b>	
LC50 fish 1	> 100 mg/l (OECD 203 method)
EC50 Daphnia 1	> 10000 mg/l (OECD 202 method)
EC50 72h algae (1)	> 1000 mg/l (OECD 201 method)
NOEL, aquatic invertebrates, Chronic	< 1 mg/l (21 days, (OECD 211 method))
NOEL, algae, Chronic	> 100 mg/l (72 Hours, (OECD 201 method))
NOEL, microorganisms, Chronic	> 1.93 mg/l (10 minutes, DIN 38412)
NOEL, daphnia, Chronic	> 10 mg/l (21 days)
<b>phenol,dodecyl-, branched (121158-58-5)</b>	
LC50 fish 1	40 mg/l (OECD 203 method)
EC50 Daphnia 1	> 0.037 mg/l (OECD 202 method)
EC50 other aquatic organisms 1	> 1000 mg/l
EC50 72h algae (1)	0.36 mg/l (OECD 201 method)
ErC50 (algae)	> 1000 mg/l (OECD 209 method)
NOEC (acute)	1000 mg/l (OECD 209 method)
<b>Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)</b>	
LC50 fish 1	> 4.6 mg/l (OECD 203 method)
LC50 fish 2	> 46 mg/l (OECD 203 method)
EC50 Daphnia 1	23 mg/l (OECD 202 method)
ErC50 (algae)	> 10000 mg/l (OECD 209 method)
NOEC (acute)	< 26 mg/l (OECD 203 method)
NOEC chronic crustacea	> 10 mg/l
<b>Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts (68457-79-4)</b>	
LC50 fish 1	4.6 mg/l (OECD 203 method)
EC50 Daphnia 1	> 23 mg/l
ErC50 (algae)	> 24 mg/l
NOEC (acute)	1.8 mg/l (OECD 203 method)

#### 12.2. Persistence and degradability

<b>EUROTEC TRANSFORMER OIL T-1500</b>	
Persistence and degradability	Not readily biodegradable, according to appropriate OECD test due to properties of several components.
<b>Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)</b>	
Persistence and degradability	Not readily biodegradable, according to appropriate OECD test due to properties of several components.
Biodegradation	< 32 % (OECD 301B method)
<b>phenol,dodecyl-, branched (121158-58-5)</b>	
Chemical oxygen demand (COD)	10 g O <sub>2</sub> /l
Biodegradation	< 25 % (OECD 301D method)
<b>Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)</b>	
Biodegradation	1.5 % (OECD 301B method)

#### 12.3. Bioaccumulative potential

<b>EUROTEC TRANSFORMER OIL T-1500</b>	
Bioaccumulative potential	Bioaccumulative potential.
<b>Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)</b>	
Log Kow	3.5 - 6 Moderately bioaccumulative

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

<b>EUROTEC TRANSFORMER OIL T-1500</b>	
PBT: not relevant – no registration required	
vPvB: not relevant – no registration required	

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Component	
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	PBT: not relevant – no registration required vPvB: not relevant – no registration required

### 12.6. Other adverse effects

Additional information : No other effects known

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.  
Waste treatment methods : Empty containers should be taken for recycling, recovery or waste in accordance with local regulation. Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Sewage disposal recommendations : Disposal must be done according to official regulations.  
Product/Packaging disposal recommendations : Avoid release to the environment.  
European List of Waste (LoW) code : 13 02 05\* - mineral-based non-chlorinated engine, gear and lubricating oils

### SECTION 14: Transport information

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

#### 14.1. UN number

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

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not regulated  
Proper Shipping Name (IMDG) : Not regulated  
Proper Shipping Name (IATA) : Not regulated  
Proper Shipping Name (ADN) : Not regulated  
Proper Shipping Name (RID) : Not regulated

#### 14.3. Transport hazard class(es)

##### ADR

Transport hazard class(es) (ADR) : Not regulated

##### IMDG

Transport hazard class(es) (IMDG) : Not regulated

##### IATA

Transport hazard class(es) (IATA) : Not regulated

##### ADN

Transport hazard class(es) (ADN) : Not regulated

##### RID

Transport hazard class(es) (RID) : Not regulated

#### 14.4. Packing group

Packing group (ADR) : Not regulated  
Packing group (IMDG) : Not regulated  
Packing group (IATA) : Not regulated  
Packing group (ADN) : Not regulated  
Packing group (RID) : Not regulated

#### 14.5. Environmental hazards

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

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### 14.6. Special precautions for user

**- Overland transport**

Not regulated

**- Transport by sea**

Not regulated

**- Air transport**

Not regulated

**- Inland waterway transport**

Not regulated

**- Rail transport**

Not regulated

### 14.7. Transport in bulk according to Annex II of Marpol and the IBCCode

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list Contains no

REACH Annex XIV substances

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

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
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
PBT	† Persistent Bioaccumulative Toxic
PNEC	† Predicted No-Effect Concentration
RID	† Regulations concerning the International Carriage of Dangerous Goods by Rail
vPvB	† Very Persistent and Very Bioaccumulative

Data sources

: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

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Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

Other information : None.

Full text of H- and EUH-statements:

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
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
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
vPvB	Very Persistent and Very Bioaccumulative

SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*