

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Issue date: 22-5-2018 Revision date: 22-5-2018 Version: 1.0

**AREOL**  
PREMIUM QUALITY.  
SMART PRICE

## 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product form:** Mixture

**Trade name:** AREOL Trans Truck ECO 5W-30

**Product code:** 5W30AR133, 5W30AR134

**Type of product:** Lubricants

**Product group:** Trade product

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

#### Relevant identified uses

**Main use category:** Industrial use, Professional use, Consumer use

**Use of the substance/mixture:** Engine oil

#### Uses advised against

No additional information available

### Details of the supplier of the safety data sheet

ATH&S GMBH

Bronninghauser Str. 33

33729 Bielefeld

Deutschland

[www.areollub.com](http://www.areollub.com)



### Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	National Poisons Information Service (Cardiff Centre) Gwenwyn Ward, Llandough Hospital	Penarth CF64 2XX Cardiff	0344 892 0111	

**Trade name**  
**AREOL Trans Truck ECO 5W-30**

## **2** HAZARDS IDENTIFICATION

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

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

Not classified

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

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

### **2.2. Label elements:**

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

**EUH-statements:** EUH210 - Safety data sheet available on request.

### **2.3. Other hazards:**

No additional information available

**Trade name**  
**AREOL Trans Truck ECO 5W-30****3** **COMPOSITION/INFORMATION ON INGREDIENTS****Substances:** Not applicable**Mixtures**

Comments: Highly refined mineral oils and additives.

NAME	PRODUCT IDENTIFIER	%	CLASSIFICATION ACCORDING TO REGULATION (EC) NO. 1272/2008 [CLP]
<b>Distillates (petroleum), hydrotreated heavy paraffinic (Note L)</b>	(CAS N <sup>o</sup> ) 64742-54-7 (EC N <sup>o</sup> ) 265-157-1 (EC Index-No.) 649-467-00-8 (REACH-No) 01-2119484627-25	50-80	Asp. Tox. 1, H304
<b>Mineral oil * (Note L)</b>		2,5 – 20	Asp. Tox. 1, H304
<b>Calcium branched alkyl phenate sulphide (overbased)</b>	(EC-No.) Polymer	0,1 – 2,5	Aquatic Chronic 4, H413
<b>bis(nonylphenyl)amine</b>	(CAS N <sup>o</sup> ) 36878-20-3 (EC N <sup>o</sup> ) 253-249-4 (REACH-No) 01-2119488911-28	0,1-2,5	Aquatic Chronic 4, H413

**Comments:**

\* contains one or more of the following CAS-numbers (REACH registration numbers): 64741-88-4 (01-2119488706-23), 64741-89-5 (01-2119487067-30), 64741-95-3 (01-2119487081-40), 64741-96-4 (01-2119483621-38), 64741-97-5 (01-2119480374-36), 64742-01-4 (01-2119488707-21), 64742-52-5 (01-2119467170-45), 64742-53-6 (01-2119480375-34), 64742-54-7 (01-2119484627-25), 64742-55-8 (01-2119487077-29), 64742-56-9 (01-2119480132-48), 64742-57-0 (01-2119489287-22), 64742-62-7 (01-2119480472-38), 64742-65-0 (01-2119471299-27), 64742-71-8 (01-2119485040-48), 72623-85-9 (01-2119555262-43), 72623-86-0 (01-2119474878-16), 72623-87-1 (01-2119474889-13), 74869-22-0 (01-2119495601-36)

The highly refined mineral oil contains <3% (w/w) DMSOextract, according to IP346.

**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

**Trade name**  
**AREOL Trans Truck ECO 5W-30**

## 4 FIRST AID MEASURES

### 4.1. Description of first aid measures

**First-aid measures general:** If you feel unwell, seek medical advice (show the label where possible).

**First-aid measures after inhalation:** Remove person to fresh air and keep comfortable for breathing.

**First-aid measures after skin contact:** Wash skin with plenty of water.

**First-aid measures after eye contact:** Rinse eyes with water as a precaution.

**First-aid measures after ingestion:** Call a poison center or a doctor if you feel unwell. Do not induce vomiting.

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

**Symptoms/effects:** No additional information available. Not expected to present a significant hazard under anticipated conditions of normal use.

**Symptoms/effects after ingestion:** May result in aspiration into the lungs, causing chemical pneumonia.

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

Treat symptomatically.

## 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:** Combustible liquid.

**Hazardous decomposition products in case of fire:** Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

### 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.

**Trade name**  
**AREOL Trans Truck ECO 5W-30**

## 6 ACCIDENTAL RELEASE MEASURES

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

**For non-emergency personnel**

**Emergency procedures:** Ventilate spillage area.

**For emergency responders**

**Protective equipment:** Do not attempt to take action without suitable protective equipment.

**For further information refer to section 8:** "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

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

**Methods for cleaning up:** 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

For further information refer to section 13.

## 7 HANDLING AND STORAGE

### 7.1. Precautions for safe handling

**Precautions for safe handling:** Provide good ventilation in process area to prevent formation of vapour.

**Hygiene measures:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** : Keep container closed when not in use.

Keep in a cool, well-ventilated place away from heat.

**Storage temperature:** 0 - 40 °C

### 7.3. Specific end use(s)

No additional information available

**Trade name**  
**AREOL Trans Truck ECO 5W-30**

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

<b>EU</b>	Exposure limits/standards for materials that can be formed when handling this product. When mists/aerosols can occur the following is recommended: 5 mg/m <sup>3</sup> - ACGIH TLV (inhalable fraction).
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### 8.2. Exposure controls

**Appropriate engineering controls:** Ensure good ventilation of the work station.

**Materials for protective clothing:** Wear suitable protective clothing

**Hand protection:** Protective gloves

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Reusable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	>=0,35		EN 374

**Eye protection:** Safety glasses

Type	Use	Characteristics	Standard
Safety glasses	Droplet	clear	EN 166

**Skin and body protection:**

Wear suitable protective clothing

**Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment

**Personal protective equipment symbol(s):**



**Environmental exposure controls:**

Avoid release to the environment.

**Trade name**  
**AREOL Trans Truck ECO 5W-30**

## **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

**Melting point:** Not applicable

**Freezing point:** -39 °C - ASTM D5950 (pour point)

**Boiling point:** No data available

**Flash point:** 216 °C - ASTM D92 (COC)

**Auto-ignition temperature:** No data available

**Decomposition temperature:** No data available

**Flammability (solid, gas):** Not applicable

**Vapour pressure:** No data available

**Relative vapour density at 20 °C:** No data available

**Relative density:** No data available

**Density:** 0,855 kg/l (15 °C) - ASTM D4052

**Solubility: Water :** Practically not miscible.

**Log Pow:** No data available

**Viscosity, kinematic:** 68,4 mm<sup>2</sup>/s (40 °C) - ASTM D7279

**Viscosity, dynamic:** No data available

**Explosive properties:** Presents no particular fire or explosion hazard.

**Oxidising properties:** No data available

**Explosive limits:** No data available

**9.2. Other information:** VOC content:0 %

**Trade name**  
**AREOL Trans Truck ECO 5W-30**

## 10 **BILITY AND REACTIVITY**

**Reactivity:** The product is non-reactive under normal conditions of use, storage and transport.

**Chemical stability:** Stable under normal conditions.

**Possibility of hazardous reactions:** No dangerous reactions known under normal conditions of use. Reacts violently with (strong) oxidizers.

**Conditions to avoid:** None under recommended storage and handling conditions (see section 7).

**Incompatible materials:** No additional information available

**Hazardous decomposition products:** No decomposition if stored normally.

## 11 **TOXICOLOGICAL INFORMATION**

### Information on toxicological effects

**Acute toxicity (oral):** Not classified

**Acute toxicity (dermal):** Not classified

**Acute toxicity (inhalation):** Not classified

#### Mineral oil \*

LD50 oral rat > 5000 mg/kg

LD50 dermal rabbit > 5000 mg/kg

LC50 inhalation rat (Dust/Mist - mg/l/4h) > 5 mg/l/4h

#### bis(nonylphenyl)amine (36878-20-3)

LD50 oral rat > 5000 mg/kg bodyweight (OECD 401 method)

LD50 dermal rat > 2000 mg/kg bodyweight (OECD 402 method)

#### Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

LD50 oral rat > 5000 mg/kg

LD50 dermal rabbit > 2000 mg/kg

LC50 inhalation rat (mg/l) > 5,53 mg/l/4h



**Trade name**  
**AREOL Trans Truck ECO 5W-30**

**Skin corrosion/irritation:** Not classified  
**Serious eye damage/irritation:** Not classified  
**Respiratory or skin sensitisation:** Not classified  
**Germ cell mutagenicity:** Not classified  
**Carcinogenicity:** Not classified

**Reproductive toxicity:** Not classified  
**STOT-single exposure:** Not classified  
**STOT-repeated exposure:** Not classified  
**Aspiration hazard:** Not classified

## AREOL Trans Truck ECO 5W-30

Viscosity, kinematic

68,4 mm<sup>2</sup>/s (40 °C) - ASTM D7279

## 12 ECOLOGICAL INFORMATION

### 12.1. Toxicity

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

**Acute aquatic toxicity:** Not classified

**Chronic aquatic toxicity:** Not classified

### Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

LC50 fish	> 100 mg/l (Pimephales promelas, 96h) (OECD 203 method)
EC50 Daphnia 1	> 10000 mg/l (Gammarus pulex, 48h) (OECD 202 method)
EC50 Daphnia 2	> 10000 mg/l (Daphnia magna, 48h) (OECD 202 method)
NOEC (acute)	>= 100 mg/l (Pseudokirchnerella subcapitata, 72h) (OECD 201 method)
NOEC chronic fish	>= 1000 mg/l (Oncorhynchus mykiss - QSAR Petrotox, 14/28d)
NOEC chronic crustacea	10 mg/l (Daphnia magna, 21d) (OECD 211 method)

**Trade name**  
**AREOL Trans Truck ECO 5W-30**

<b>Calcium branched alkyl phenate sulphide (overbased)</b>	
LC50 fish 1	> 1000 mg/l
EC50 Daphnia 1	> 1000 mg/l
EC50 96h algae (1)	> 1000 mg/l

<b>bis(nonylphenyl)amine (36878-20-3)</b>	
LC50 fish 1	> 100 mg/l Brachydanio rerio (zebra-fish)
EC50 Daphnia 1	> 100 mg/l (OECD 202 method)
EC50 72h algae (1)	> 100 mg/l
NOEC chronic crustacea	> 10 mg/l
NOEC chronic algae	> 10 mg/l

<b>Mineral oil *</b>	
LC50 fish 1	> 100 mg/l
EC50 Daphnia 1	> 10000 mg/l
Ec50 72h algae (1)	> 100 mg/l
NOEC chronic algae	> 10 mg/l (Water flea (Daphnia magna), 21 d)

## 12.2. Persistence and degradability

<b>Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)</b>	
Biodegradation	31 % (28d) (OECD 301F method)

<b>bis(nonylphenyl)amine (36878-20-3)</b>	
Biodegradation	1 % (test concentration 20,1 mg/l)

**Trade name**  
**AREOL Trans Truck ECO 5W-30**

### 12.3. Bioaccumulative potential:

Calcium branched alkyl phenate sulphide (overbased)	
BCF fish	2,2
Partition coefficient n-octanol/water (Log Kow)	11,08

### 12.4. Mobility in soil:

No additional information available

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

No additional information available

### 12.6. Other adverse effects:

No additional information available

## 13 DISPOSAL CONSIDERATIONS

### Waste treatment methods:

Do not allow into drains or water courses. Dispose of contents/container in accordance with licensed collector's sorting instructions.

### Product/Packaging disposal recommendations:

Dispose in a safe manner in accordance with local/national regulations.

### European List of Waste (LoW) code:

13 02 05\*- mineral-based non-chlorinated engine, gear and lubricating oils

## 14

### TRANSPORT INFORMATION

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

**Trade name**  
**AREOL Trans Truck ECO 5W-30**

ADR	IMDG	IATA	AND	RID
<b>UN number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>Environmental hazards</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

#### Special precautions for user

**Overland transport:** Not applicable

**Transport by sea:** Not applicable

**Air transport:** Not applicable

**Inland waterway transport:** Not applicable

**Rail transport:** Not applicable

**Transport in bulk according to Annex II of Marpol and the IBC Code:** Not applicable

**Trade name**

**AREOL Trans Truck ECO 5W-30**

## 15 REGULATORY INFORMATION

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:

3(c)	Bis(nonylphenyl)amine
3 (b)	Distillates (petroleum), hydrotreated heavy paraffinic - Mineral oil *
3	Bis(nonylphenyl)amine

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

VOC content:0 %

Directive 2012/18/EU (SEVESO III)

### National regulations

No additional information available

### Chemical safety assessment

No chemical safety assessment has been carried out

## 16 OTHER INFORMATION

**Trade name**  
**AREOL Trans Truck ECO 5W-30**

### Abbreviations and acronyms:

<b>AND</b>	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
<b>ADR</b>	European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>ATE</b>	Acute Toxicity Estimate
<b>BCF</b>	Bioconcentration factor
<b>CLP</b>	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008)
<b>DMEL</b>	Derived Minimal Effect level
<b>DNEL</b>	Derived-No Effect Level
<b>EC50</b>	Median effective concentration
<b>IARC</b>	International Agency for Research on Cancer
<b>IATA</b>	International Air Transport Association
<b>IMDG</b>	International Maritime Dangerous Goods
<b>LC50</b>	Median lethal concentration
<b>LD50</b>	Median lethal dose
<b>LOAEL</b>	Lowest Observed Adverse Effect Level
<b>NOAEC</b>	No-Observed Adverse Effect Concentration
<b>NOAEL</b>	No-Observed Adverse Effect Level
<b>NOEC</b>	No-Observed Effect Concentration
<b>OECD</b>	Organisation for Economic Co-operation and Development
<b>PBT</b>	Persistent Bioaccumulative Toxic
<b>PNEC</b>	Predicted No-Effect Concentration
<b>REACH</b>	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
<b>RID</b>	Regulations concerning the International Carriage of Dangerous Goods by Rail
<b>vPvB</b>	Very Persistent and Very Bioaccumulative

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**Trade name**  
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## Full text of H- and EUH-statements:

<b>Aquatic Chronic 4</b>	Hazardous to the aquatic environment – Chronic Hazard, Category 4
<b>Asp. Tox. 1</b>	Aspiration hazard, Category 1
<b>H304</b>	May be fatal if swallowed and enters airways.
<b>H413</b>	May cause long lasting harmful effects to aquatic life.
<b>EUH210</b>	Safety data sheet available on request.

## 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