

GB

Page 1 of 10  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revision date / version: 30.06.2016 / 0002  
Replacing version dated / version: 31.07.2012 / 0001  
Valid from: 30.06.2016  
PDF print date: 30.06.2016  
"POE-ÖL für Hybridfahrzeuge" / POE oil for hybrid vehicles"

## Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

#### 1.1 Product identifier

**"POE-ÖL für Hybridfahrzeuge" / POE oil for hybrid vehicles"**

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

**Relevant identified uses of the substance or mixture:**

Lubricant

Compressor oil for air conditioning systems

**Uses advised against:**

No information available at present.

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

GB

Behr Hella Service GmbH, Dr.-Manfred-Behr-Str. 1, 74523 Schwäbisch Hall, Germany  
Phone: +49 (0) 7907 9446 483 31, Fax: +49 (0) 7907 9446 483 73

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

#### 1.4 Emergency telephone number

**Emergency information services / official advisory body:**

---

**Telephone number of the company in case of emergencies:**

+49 (0) 7907 9446 483 31

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) 1272/2008 (CLP)**

The mixture is not classified as dangerous in the terms of the Regulation (EC) 1272/2008 (CLP).

#### 2.2 Label elements

**Labeling according to Regulation (EC) 1272/2008 (CLP)**

Not applicable

#### 2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

### SECTION 3: Composition/information on ingredients

Polyglycols

#### 3.1 Substance

n.a.

GB

Page 2 of 10

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 30.06.2016 / 0002  
 Replacing version dated / version: 31.07.2012 / 0001  
 Valid from: 30.06.2016  
 PDF print date: 30.06.2016  
 "POE-ÖL für Hybridfahrzeuge" / POE oil for hybrid vehicles"

### 3.2 Mixture

--	
<b>Registration number (REACH)</b>	--
<b>Index</b>	-
<b>EINECS, ELINCS, NLP</b>	-
<b>CAS</b>	-
<b>content %</b>	
<b>Classification according to Regulation (EC) 1272/2008 (CLP)</b>	---

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### Inhalation

Remove person from danger area.  
 Supply person with fresh air and consult doctor according to symptoms.  
 If the person is unconscious, place in a stable side position and consult a doctor.  
 The following may occur:

dizziness  
 irritation of the respiratory tract  
 nausea

#### Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

In case of skin injury by high pressure, a risk of penetration of lubricant into the skin exists.

#### Eye contact

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.  
 Remove contact lenses.

The following may occur:  
 irritation of the eyes

#### Ingestion

Do not induce vomiting. Consult doctor immediately.  
 Rinse the mouth thoroughly with water.  
 Danger of aspiration

In case of vomiting, keep head low so that the stomach content does not reach the lungs.  
 Immediate admittance to a hospital.

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

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

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

n.c.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

CO2  
 Dry extinguisher  
 Alcohol resistant foam  
 Water jet spray

#### Unsuitable extinguishing media

High volume water jet

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

In case of fire the following can develop:  
 Oxides of carbon

GB

Page 3 of 10  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revision date / version: 30.06.2016 / 0002  
Replacing version dated / version: 31.07.2012 / 0001  
Valid from: 30.06.2016  
PDF print date: 30.06.2016  
"POE-ÖL für Hybridfahrzeuge" / POE oil for hybrid vehicles"

Aldehydes  
Toxic gases  
Fume

### **5.3 Advice for firefighters**

Protective respirator with independent air supply.  
Full protection, if necessary.  
Cool container at risk with water.  
In case of fire and/or explosion do not breathe fumes.  
Dispose of contaminated extinction water according to official regulations.

## **SECTION 6: Accidental release measures**

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

Ensure sufficient supply of air.  
Avoid contact with eyes or skin.  
If applicable, caution - risk of slipping.

### **6.2 Environmental precautions**

If leakage occurs, dam up.  
Prevent surface and ground-water infiltration, as well as ground penetration.  
Prevent from entering drainage system.

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

Soak up with absorbent material (e.g. universal binding agent) and dispose of according to Section 13.

### **6.4 Reference to other sections**

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

## **SECTION 7: Handling and storage**

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

### **7.1 Precautions for safe handling**

#### **7.1.1 General recommendations**

Ensure good ventilation.  
Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.  
Observe directions on label and instructions for use.  
Take precautions against electrostatic charges.  
Avoid contact with eyes.  
Prevent long-term skin contact.  
Keep away from sources of ignition - Do not smoke.

#### **7.1.2 Notes on general hygiene measures at the workplace**

General hygiene measures for the handling of chemicals are applicable.  
Wash hands before breaks and at end of work.  
Keep away from food, drink and animal feedingstuffs.  
Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

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

Not to be stored in gangways or stair wells.  
Store product closed and only in original packing.  
Store in a well ventilated place.  
Store cool.  
Protect from direct sunlight and warming.

### **7.3 Specific end use(s)**

No information available at present.

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

### **8.1 Control parameters**

(GB)

Page 4 of 10  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 30.06.2016 / 0002  
 Replacing version dated / version: 31.07.2012 / 0001  
 Valid from: 30.06.2016  
 PDF print date: 30.06.2016  
 "POE-ÖL für Hybridfahrzeuge" / POE oil for hybrid vehicles"

---

## 8.2 Exposure controls

### 8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.  
 If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.  
 Applies only if maximum permissible exposure values are listed here.

### 8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.  
 Wash hands before breaks and at end of work.  
 Keep away from food, drink and animal feedingstuffs.  
 Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:  
 With danger of contact with eyes.  
 Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:  
 If applicable  
 Chemical resistant protective gloves (EN 374).  
 Protective nitrile gloves (EN 374)  
 Protective Neoprene® / polychloroprene gloves (EN 374).  
 Protective hand cream recommended.  
 The breakthrough times determined in accordance with EN 374 Part 3 were not obtained under practical conditions.  
 The recommended maximum wearing time is 50% of breakthrough time.

Skin protection - Other:  
 Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection:  
 Normally not necessary.  
 Ensure sufficient ventilation.

Thermal hazards:  
 If applicable, these are included in the individual protective measures (eye/face protection, skin protection, respiratory protection).

Additional information on hand protection - No tests have been performed.  
 In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.  
 Selection of materials derived from glove manufacturer's indications.  
 Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.  
 Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.  
 In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.  
 The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

### 8.2.3 Environmental exposure controls

No information available at present.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Light yellow, Clear
Odour:	Mild
Odour threshold:	Not determined
pH-value:	n.a.

GB

Page 5 of 10  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 30.06.2016 / 0002  
 Replacing version dated / version: 31.07.2012 / 0001  
 Valid from: 30.06.2016  
 PDF print date: 30.06.2016  
 "POE-ÖL für Hybridfahrzeuge" / POE oil for hybrid vehicles"

Melting point/freezing point:	-27 °C (Drop point )
Initial boiling point and boiling range:	>200 °C
Flash point:	255 °C
Evaporation rate:	Not determined
Flammability (solid, gas):	n.a.
Lower explosive limit:	Not determined
Upper explosive limit:	Not determined
Vapour pressure:	<0,013 kPa (20°C)
Vapour density (air = 1):	Not determined
Density:	0,96-0,992 g/ml (20°C)
Density:	0,961 (20°C, relative density )
Bulk density:	n.a.
Solubility(ies):	Not determined
Water solubility:	Insoluble
Partition coefficient (n-octanol/water):	Not determined
Auto-ignition temperature:	No
Decomposition temperature:	Not determined
Viscosity:	85-105 cSt (40°C)
Explosive properties:	Product is not explosive.
Oxidising properties:	No
<b>9.2 Other information</b>	
Miscibility:	Not determined
Fat solubility / solvent:	Not determined
Conductivity:	Not determined
Surface tension:	Not determined
Solvents content:	Not determined

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

The product has not been tested.

### 10.2 Chemical stability

Stable with proper storage and handling.

### 10.3 Possibility of hazardous reactions

No dangerous reactions are known.

### 10.4 Conditions to avoid

Heating, open flame, ignition sources

### 10.5 Incompatible materials

Bases

Oxidizing agents

Acids

### 10.6 Hazardous decomposition products

No decomposition when used as directed.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Possibly more information on health effects, see Section 2.1 (classification).

#### "POE-ÖL für Hybridfahrzeuge" / POE oil for hybrid vehicles"

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>2000	mg/kg	Rat		Test of a similar formulation.
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rabbit		Test of a similar formulation.

GB

Page 6 of 10  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 30.06.2016 / 0002  
 Replacing version dated / version: 31.07.2012 / 0001  
 Valid from: 30.06.2016  
 PDF print date: 30.06.2016  
 "POE-ÖL für Hybridfahrzeuge" / POE oil for hybrid vehicles"

Acute toxicity, by inhalation:	LC50	>5000	mg/m <sup>3</sup> /4 h			Test of a similar formulation.
Skin corrosion/irritation:						Not irritant, Test of a similar formulation.
Serious eye damage/irritation:						Mild irritant, Test of a similar formulation.
Respiratory or skin sensitisation:						n.d.a.
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):						n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):						n.d.a.
Aspiration hazard:						n.d.a.
Symptoms:						n.d.a.
Other information:						Classification according to calculation procedure.

## SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

"POE-ÖL für Hybridfahrzeuge" / POE oil for hybrid vehicles"							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LL50		>5000	mg/l			
12.1. Toxicity to daphnia:							n.d.a.
12.1. Toxicity to algae:							n.d.a.
12.2. Persistence and degradability:							Not readily but inherent biodegradable.
12.3. Bioaccumulative potential:							n.d.a.
12.4. Mobility in soil:							n.d.a.
12.5. Results of PBT and vPvB assessment							n.d.a.
12.6. Other adverse effects:							n.d.a.
Other information:	AOX						According to the recipe, contains no AOX.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

GB

Page 7 of 10

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 30.06.2016 / 0002

Replacing version dated / version: 31.07.2012 / 0001

Valid from: 30.06.2016

PDF print date: 30.06.2016

"POE-ÖL für Hybridfahrzeuge" / POE oil for hybrid vehicles"

### For the substance / mixture / residual amounts

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)

13 01 11 synthetic hydraulic oils

Recommendation:

Pay attention to local and national official regulations.

E.g. suitable incineration plant.

### For contaminated packing material

Pay attention to local and national official regulations.

Empty container completely.

Untampered packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

## SECTION 14: Transport information

### General statements

14.1. UN number: n.a.

### Transport by road/by rail (ADR/RID)

14.2. UN proper shipping name:

14.3. Transport hazard class(es): n.a.

14.4. Packing group: n.a.

Classification code: n.a.

LQ (ADR 2015): n.a.

14.5. Environmental hazards: Not applicable

Tunnel restriction code:

### Transport by sea (IMDG-code)

14.2. UN proper shipping name:

14.3. Transport hazard class(es): n.a.

14.4. Packing group: n.a.

Marine Pollutant: n.a.

14.5. Environmental hazards: Not applicable

### Transport by air (IATA)

14.2. UN proper shipping name:

14.3. Transport hazard class(es): n.a.

14.4. Packing group: n.a.

14.5. Environmental hazards: Not applicable

### 14.6. Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Non-dangerous material according to Transport Regulations.

## SECTION 15: Regulatory information

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

For classification and labelling see Section 2.

Observe restrictions: n.a.

General hygiene measures for the handling of chemicals are applicable.

Directive 2010/75/EU (VOC): 0 %

### 15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

## SECTION 16: Other information

GB

Page 8 of 10  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 30.06.2016 / 0002  
 Replacing version dated / version: 31.07.2012 / 0001  
 Valid from: 30.06.2016  
 PDF print date: 30.06.2016  
 "POE-ÖL für Hybridfahrzeuge" / POE oil for hybrid vehicles"

Revised sections: 1 - 16

**Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):**

Not applicable

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

**Any abbreviations and acronyms used in this document:**

AC Article Categories  
 acc., acc. to according, according to  
 ACGIH American Conference of Governmental Industrial Hygienists  
 ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 AOEL Acceptable Operator Exposure Level  
 AOX Adsorbable organic halogen compounds  
 approx. approximately  
 Art., Art. no. Article number  
 ATE Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)  
 BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)  
 BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)  
 BCF Bioconcentration factor  
 BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)  
 BHT Butylhydroxytoluol (= 2,6-Di-t-butyl-4-methyl-phenol)  
 BMGV Biological monitoring guidance value (EH40, UK)  
 BOD Biochemical oxygen demand  
 BSEF Bromine Science and Environmental Forum  
 bw body weight  
 CAS Chemical Abstracts Service  
 CEC Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids  
 CESIO Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques  
 CIPAC Collaborative International Pesticides Analytical Council  
 CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)  
 CMR carcinogenic, mutagenic, reproductive toxic  
 COD Chemical oxygen demand  
 CTFA Cosmetic, Toiletry, and Fragrance Association  
 DMEL Derived Minimum Effect Level  
 DNEL Derived No Effect Level  
 DOC Dissolved organic carbon  
 DT50 Dwell Time - 50% reduction of start concentration  
 DVS Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes)  
 dw dry weight  
 e.g. for example (abbreviation of Latin 'exempli gratia'), for instance  
 EC European Community  
 ECHA European Chemicals Agency  
 EEA European Economic Area  
 EEC European Economic Community  
 EINECS European Inventory of Existing Commercial Chemical Substances  
 ELINCS European List of Notified Chemical Substances  
 EN European Norms  
 EPA United States Environmental Protection Agency (United States of America)  
 ERC Environmental Release Categories



GB

Page 9 of 10  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 30.06.2016 / 0002  
 Replacing version dated / version: 31.07.2012 / 0001  
 Valid from: 30.06.2016  
 PDF print date: 30.06.2016  
 "POE-ÖL für Hybridfahrzeuge" / POE oil for hybrid vehicles"

ES Exposure scenario  
 etc. et cetera  
 EU European Union  
 EWC European Waste Catalogue  
 Fax. Fax number  
 gen. general  
 GHS Globally Harmonized System of Classification and Labelling of Chemicals  
 GWP Global warming potential  
 HET-CAM Hen's Egg Test - Chorionallantoic Membrane  
 HGWP Halocarbon Global Warming Potential  
 IARC International Agency for Research on Cancer  
 IATA International Air Transport Association  
 IBC Intermediate Bulk Container  
 IBC (Code) International Bulk Chemical (Code)  
 IC Inhibitory concentration  
 IMDG-code International Maritime Code for Dangerous Goods  
 incl. including, inclusive  
 IUCLID International Uniform Chemical Information Database  
 LC lethal concentration  
 LC50 lethal concentration 50 percent kill  
 LCLo lowest published lethal concentration  
 LD Lethal Dose of a chemical  
 LD50 Lethal Dose, 50% kill  
 LDLo Lethal Dose Low  
 LOAEL Lowest Observed Adverse Effect Level  
 LOEC Lowest Observed Effect Concentration  
 LOEL Lowest Observed Effect Level  
 LQ Limited Quantities  
 MARPOL International Convention for the Prevention of Marine Pollution from Ships  
 n.a. not applicable  
 n.av. not available  
 n.c. not checked  
 n.d.a. no data available  
 NIOSH National Institute of Occupational Safety and Health (United States of America)  
 NOAEC No Observed Adverse Effective Concentration  
 NOAEL No Observed Adverse Effect Level  
 NOEC No Observed Effect Concentration  
 NOEL No Observed Effect Level  
 ODP Ozone Depletion Potential  
 OECD Organisation for Economic Co-operation and Development  
 org. organic  
 PAH polycyclic aromatic hydrocarbon  
 PBT persistent, bioaccumulative and toxic  
 PC Chemical product category  
 PE Polyethylene  
 PNEC Predicted No Effect Concentration  
 POCP Photochemical ozone creation potential  
 ppm parts per million  
 PROC Process category  
 PTFE Polytetrafluorethylene  
 REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)  
 REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.  
 RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)  
 SADT Self-Accelerating Decomposition Temperature  
 SAR Structure Activity Relationship

(GB)

Page 10 of 10  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revision date / version: 30.06.2016 / 0002  
Replacing version dated / version: 31.07.2012 / 0001  
Valid from: 30.06.2016  
PDF print date: 30.06.2016  
"POE-ÖL für Hybridfahrzeuge" / POE oil for hybrid vehicles"

SU Sector of use  
SVHC Substances of Very High Concern  
Tel. Telephone  
ThOD Theoretical oxygen demand  
TOC Total organic carbon  
TRGS Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances)  
UN RTDG United Nations Recommendations on the Transport of Dangerous Goods  
VbF Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))  
VOC Volatile organic compounds  
vPvB very persistent and very bioaccumulative  
WEL-TWA, WEL-STEL 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) (EH40, UK).  
WHO World Health Organization  
wwt wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.

These statements were made by:

**Chemical Check GmbH, Chemical Check Platz 1-7, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90**

© by Chemical Check GmbH Gefahrstoffberatung. The copying or changing of this document is forbidden except with consent of the Chemical Check GmbH Gefahrstoffberatung.