



Motor Oils Automotive

**Helar SP 5W30 LL-03**

**Description**

A synthetic, fuel saving , "low SAPs" engine oil based on specially selected base oils, to which advanced additives of the new "low SAPs" generation have been added in order to give the following properties:

- a longer working life for exhaust gas treatment systems ("low SAPs")
- Lower fuel consumption
- High and very stable Viscosity Index
- Fast cold start
- Safe lubrication film at very high temperatures
- Very good detergency and dispersion
- Very strong protection against wear corrosion and foaming

**Application**

A universal synthetic "low SAPs" engine oil developed specially for Volkswagen, Audi, Skoda and Seat cars and vans. Helar SP 5W30 LL-3 is suitable for petrol and diesel engines, both with and without pump spray technology. Also suitable for extended refreshment intervals and cars with a diesel soot filter. The special composition makes this product excellent for use according to the latest VW standards 504.00 and 507.00. These standards exceed many earlier VW standards, such as: VW 501.01/502.00/503.00/503.01/505.00/506.00/506.01. This also makes the product very suitable for use when one of the standards named above is required, except in the case of all VW V10 TDI diesel engines and 2.5 TDI 5 cylinder diesel engines with pump spray technology, to which the VW 506.01 specification remains applicable.

This product is also applicable in all vehicles for which the ACEA A3/B4 or ACEA C3 specifications are requested.

**Specifications**

ACEA A3/B4  
VW 504.00/507.00 (pending)

**Product Safety**

For information about product safety view Material Safety Data Sheet [501](#).

**Typicals**

Density at 15 °C, kg/l	0,850
Viscosity -30 °C, mPa.s	6240
Viscosity 40 °C, mm <sup>2</sup> /s	73,70
Viscosity 100 °C, mm <sup>2</sup> /s	11,60
Viscosity Index	151
Pour Point, °C	-39
Total Base Number, mgKOH/g	6,1
Sulphate Ash, %	0,60

09/04/2006

The data mentioned in this product information sheet is meant to enable the reader to orientate himself about the properties and possible applications of our products. Although this overview is composed with all possible care on the stated date, the compiler does not accept any liability for damages caused by incompleteness and/or inaccuracies in this information, especially when these are caused by obvious typing errors. The terms of delivery of the supplier apply to all product supplies. The reader is advised, especially for critical applications, to make the final product choice in consultation with the supplier. Due to continual product research and development, the information contained herein is subject to changes without notification. This sheet refers to an MSDS, which is a part of the Product Information System.



## 1 Identification of the substance/preparation and of the company/undertaking

- Product details
- Code: A3501
- Manufacturer/Supplier: -
- Further information obtainable from: Product safety department.

## 2 Composition/information on ingredients

- Description:  
Mixture of substances listed below with nonhazardous additions.  
Dangerous components:  
Void
- Additional information:  
For the wording of the listed risk phrases refer to section 16.

## 3 Hazards identification

- Hazard description: Not applicable.
- Information concerning particular hazards for human and environment:  
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- Classification system:  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

## 4 First-aid measures

- After inhalation:  
Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact:  
Rinse opened eye for several minutes under running water.
- After swallowing:  
Do not induce vomiting; call for medical help immediately.
- Information for doctor:
- Treatment  
If swallowed or in case of vomiting, danger of entering the lungs.

## 5 Fire-fighting measures

- Suitable extinguishing agents:  
Foam  
Fire-extinguishing powder  
Carbon dioxide
- For safety reasons unsuitable extinguishing agents: Water with full jet
- Special hazards caused by the substance, its products of combustion or resulting gases:  
Formation of toxic gases is possible during heating or in case of fire.
- Protective equipment:  
Wear self-contained respiratory protective device.  
Wear fully protective suit.



Code: A3501

## 6 Accidental release measures

- Person-related safety precautions: Wear protective clothing.
- Measures for environmental protection:  
Do not allow product to reach sewage system or any water course.  
Do not allow to enter sewers/ surface or ground water.  
Inform respective authorities in case of seepage into water course or sewage system.
- Measures for cleaning/collecting:  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Remove from the water surface (e.g. skim or suck off).
- Additional information:  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## 7 Handling and storage

- Handling:  
• Information for safe handling: Avoid the formation of oil haze.  
• Information about fire - and explosion protection:  
No special measures required.
- Storage:  
• Requirements to be met by storerooms and receptacles:  
Store only in the original receptacle.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions:  
Store in cool, dry conditions in well sealed receptacles.

## 8 Exposure controls/personal protection

- Additional information about design of technical facilities:  
No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

Oil mist: 5 mg/m<sup>3</sup> (8h)

- Additional information:  
The lists valid during the making were used as basis.
- Personal protective equipment:
- General protective and hygienic measures:  
Wash hands before breaks and at the end of work.
- Respiratory protection: Not required.
- Protection of hands:  
PVC gloves  
Neoprene gloves
- Material of gloves  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the

(Contd. on page 3)



Code: A3501

(Contd. of page 2)

application.

Nitrile rubber, NBR

- Penetration time of glove material  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Goggles recommended during refilling
- Body protection: Protective work clothing

## 9 Physical and chemical properties

### · General Information

- Form: Fluid
- Odour: Characteristic

	Value/Range	Unit	Method
· Change in condition			
· Melting point/Melting range:	Undetermined.		
· Boiling point/Boiling range:	Undetermined.		
· Flash point:	> 101	° C	
· Self-igniting:	Product is not selfigniting.		
· Danger of explosion: Product does not present an explosion hazard.			
· Density:	Not determined.		
· Solubility in / Miscibility with · water:	Not miscible or difficult to mix.		

## 10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:  
To avoid thermal decomposition do not overheat.
- Dangerous reactions Reacts with strong oxidizing agents.
- Dangerous decomposition products:  
No dangerous decomposition products known.

## 11 Toxicological information

- Acute toxicity:
- Primary irritant effect:
  - on the skin: No irritant effect.
  - on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:  
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.  
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.



Code: A3501

## 12 Ecological information

- Information about elimination (persistence and degradability):
- Other information: The product is difficultly biodegradable.
- General notes:  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## 13 Disposal considerations

- Product:
- Recommendation  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- European waste catalogue  
13 02 05: mineral-based non-chlorinated engine, gear and lubricating oils
- Uncleaned packaging:
- Recommendation:  
Disposal must be made according to official regulations.

## 14 Transport information

- Land transport ADR/RID (cross-border)
- ADR/RID class: -
- Maritime transport IMDG:
- IMDG Class: -
- Marine pollutant: No
- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: -

## 15 Regulatory information

- Labelling according to EU guidelines:  
Observe the general safety regulations when handling chemicals.  
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
- National regulations:
- Waterhazard class:  
Water hazard class 1 (Self-assessment): slightly hazardous for water.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

(Contd. on page 5)



Code: A3501

(Contd. of page 4)

- Department issuing MSDS: Product safety department.
- Contact: -

