

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 11.06.2010

Revision: 11.06.2010

1 Identification of substance

- **Product details:**
- **Trade name:** Viking HD 15W-40
Motor oil
- **Article number:** 0781 309 0001, 0781 309 0002, 0781 309 0003
- **Application of the substance / the preparation** Engine oil
- **Manufacturer/Supplier:**
Viking GmbH
Hans Peter Stihl-Straße 5
A-6336 Langkampfen/Kufstein
Tel: +43(0)5372-6972-298
Fax: +43(0)5372-61183-298
- **Informing department:**
Produktmanagement Forsttechnik
Tel: +49(0)7151-26-3237
Fax: +49(0)7151-26-83237
- **Emergency information:**
Tel: +49-621-60-43333
Fax: +49-621-60-92664

2 Hazards identification

- **Hazard designation:** void
- **Information pertaining to particular dangers for man 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 in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mineral oil emulsive preparation of product-specific addition agents.
- **Dangerous components:** Void

4 First aid measures

- **General information** Instantly remove any clothing soiled by the product.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact**
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **After swallowing**
Do not induce vomiting; instantly call for medical help.
Rinse out mouth and then drink plenty of water.

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 11.06.2010

Revision: 11.06.2010

Trade name: Viking HD 15W-40
Motor oil

(Contd. of page 1)

5 Fire fighting measures

- **Suitable extinguishing agents**
 CO₂, extinguishing powder or water jet. Fight larger fires with water jet.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **Special hazards caused by the material, its products of combustion or resulting gases:**
 Formation of toxic gases is possible during heating or in case of fire.
 Can be released in case of fire
 Carbon monoxide (CO)
- **Protective equipment:**
 Do not inhale explosion gases or combustion gases.
 Wear self-contained breathing apparatus.
- **Additional information** Use water to keep fire exposed containers cool.

6 Accidental release measures

- **Person-related safety precautions:**
 Wear protective equipment. Keep unprotected persons away.
 Particular danger of slipping on leaked/spilled product.
- **Measures for environmental protection:**
 Do not allow to enter drainage system, surface or ground water.
- **Measures for cleaning/collecting:**
 Remove from the surface of water (e.g. skim or vacuum off)
 Should larger amounts of liquid run out stem it and dispose it of.
 Absorb with liquid-binding material (sand, diatomite, universal binders) and disposal in suitable containers.
- **Additional information:** See Section 13 for information on disposal.

7 Handling and storage

- **Handling**
- **Information for safe handling:**
 Avoid the formation of oil haze.
 Avoid contact with eyes and skin.
 No special precautions necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:**
 Prevent any penetration into the ground.
 Keep container tightly closed and store upright to prevent any run out of product.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:** Must be stored in a collecting room.

8 Exposure controls and personal protection

- **Components with limit values that require monitoring at the workplace:**
 The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
 Do not carry cleaning cloths impregnated with the product in trouser pockets.
 Be sure to clean skin thoroughly after work and before breaks.
- **Breathing equipment:** Use breathing protection only when aerosol or mist is formed.

(Contd. on page 3)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 11.06.2010

Revision: 11.06.2010

Trade name: Viking HD 15W-40
Motor oil

(Contd. of page 2)

· **Protection of hands:**

Oil resistant gloves

If only a short-term loading of the glove material by splashes is expected, tricoted gloves with higher wearability for the better acceptance of the users are recommended.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **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 application.

· **Penetration time of glove material**

In case of a layer thickness of 0.4 mm the penetration time is longer than 480 minutes.

· **For the permanent contact gloves made of the following materials are suitable:**

Nitrile rubber, NBR

· **Eye protection:** Safety glasses recommended during refilling.

· **Body protection:** Protective work clothing.

9 Physical and chemical properties

· **General Information**

Form:	Fluid
Colour:	Brown
Odour:	Mineral-oil-like

· **Change in condition**

Melting point/Melting range: Not determined

Boiling point/Boiling range: Not determined

· **Pour point:** < -24°C

· **Flash point:** > 200°C (ISO 2592)

· **Self-inflammability:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/steam mixtures is possible.

· **Critical values for explosion:**

Lower: 0.6 Vol %

Upper: 6.5 Vol %

· **Vapour pressure at 20°C:** < 0.1 hPa

· **Density at 15°C** 0.88 g/cm³ (DIN 51757)

· **Solubility in / Miscibility with**

Water: Not miscible or difficult to mix

· **pH-value at 20°C:** n.a.

· **Viscosity:**

kinematic at 100°C: 14 mm²/s (DIN 51562)

· **Solvent content:**

Organic solvents: 0.0 %

Water: 0.0 %

GB

(Contd. on page 4)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 11.06.2010

Revision: 11.06.2010

Trade name: Viking HD 15W-40
Motor oil

(Contd. of page 3)

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Materials to be avoided:** Avoid contact with strong oxidizing agents.
- **Dangerous reactions** No dangerous reactions known
- **Dangerous products of decomposition:**
None in case of intended use and storage in compliance with instructions.

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:**
Longer or repeated contact with the product reduces the natural readipogenesis of the skin and results in the desiccation of the skin. That product can be absorbed via the skin.
- **on the eye:** Splashes can cause temporary eye irritation.
- **Sensitization:**
Sensitive persons can possibly have allergic reactions. This is also valid below the fixed levels of exposure.
- **Additional toxicological information:**
The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version.

12 Ecological information

- **Information about elimination (persistence and degradability):**
- **Other information:** The product is biodegradable.
- **Behaviour in environmental systems:**
- **Components:**
A product that has flown out can lead to the formation of a film on the water surface which reduces the oxygen exchange and results in the organisms dying-off.
- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.
Do not allow product to reach ground water, water bodies or sewage system.
Danger to drinking water if even small quantities leak into soil.

13 Disposal considerations

- **Product:**
- **Recommendation**
The waste code numbers mentioned are recommendations based on the probable use of the product.
The product is suitable for processing by an approved recycling facility or can be disposed of at any government approved waste disposal facility.
When storing used mineral oil products, ensure that the categories for waste oil and mixing instructions are observed.
Delivery of waste oil only to officially authorized collectors.

· **European waste catalogue**

13 00 00	OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)
13 02 00	waste engine, gear and lubricating oils

(Contd. on page 5)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 11.06.2010

Revision: 11.06.2010

Trade name: Viking HD 15W-40
Motor oil

(Contd. of page 4)

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

- **Uncleaned packagings:**
- **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID-GGVSE Class:** No hazardous good.
- **Maritime transport IMDG:**
- **IMDG Class:** No hazardous good.
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** Not Restricted.
- **Transport/Additional information:** Not dangerous according to the above specifications.

15 Regulatory information

- **Designation according to EC guidelines:**
 Observe the normal safety regulations when handling chemicals
 The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials.
- **National regulations**
- **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing data specification sheet:**
 The safety data sheets were drawn up in cooperation with the Umweltkanzlei Dr.Rhein Beratungs- und Prüfgesellschaft mbH, Phone: +49(0)5066-900990.

GB