

# MATERIAL SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Printing date 10.04.2008

Revision: 10.04.2008

## 1 Identification of substance

- **Product details**
- **Trade name** Pentospeed 0W-30 VS
- **Article number:** 0080017
- **Application of the substance / the preparation** Automotive Motor Oil
- **Manufacturer/Supplier:**  
 Deutsche Pentosin-Werke GmbH  
 Industriestraße 39-43  
 D-22880 Wedel  
 Germany  
 Phone ++49 4103 9134-0  
 Fax ++49 4103 9134-71
- **Informing department:**  
 Safety / Health / Environment  
 msds-info@pentosin.com
- **Emergency information:** +49 / (0)4103 / 91 34-0

## 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.
- **GHS label elements**

## 3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture consisting of the following components.

· **Dangerous components:**

CAS: 83846-43-9 EINECS: 281-018-8	Calziumsalicylat	R 52/53	<10%
CAS: 68649-42-3 EINECS: 272-028-3	Zink-dialkyldithiophosphat	Xi, N; R 38-41-51/53 Danger: 3.3/1, 3.2/2 4.1.C/2	< 2.5%

- **Additional information** For the wording of the listed risk phrases refer to section 16.

## 4 First aid measures

- **General information** No special measures required.
- **After inhaling** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** The product is generally no skin irritant.
- **After eye contact** Rinse opened eye for several minutes under running water.

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· **After swallowing** In case of persistent symptoms consult doctor.

## 5 Fire fighting measures

- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **Protective equipment:** Wear self-contained breathing apparatus.

## 6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Do not allow to enter drainage system, surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Additional information:** No dangerous materials are released.

## 7 Handling and storage

- **Handling**
- **Information for safe handling:** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Storage class 10** (VCI Germany)

## 8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with critical 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.
- **Personal protective equipment**
- **General protective and hygienic measures** Use skin protection cream for preventive skin protection.
- **Breathing equipment:** Not required.
- **Protection of hands:**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
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.

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- **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:** Protective goggles recommended during refilling.

## 9 Physical and chemical properties:

### · General Information

<b>Form:</b>	Fluid
<b>Colour:</b>	Brown
<b>Smell:</b>	Mineral-oil-like

### · Change in condition

**Melting point/Melting range:** -54°C (ISO 3016)  
**Boiling point/Boiling range:** Not determined

- |   |                                     |
|---|-------------------------------------|
| · <b>Flash point:</b>                                 | >200°C (ISO 2592)                   |
| · <b>Self-inflammability:</b>                         | Product is not self-igniting.       |
| · <b>Danger of explosion:</b>                         | Product is not explosive.           |
| · <b>Density at 15°C</b>                              | 0.835 g/cm <sup>3</sup> (ISO 12185) |
| · <b>Solubility in / Miscibility with Water:</b>      | Unsoluble                           |
| · <b>pH-value:</b>                                    | Not applicable                      |
| · <b>Viscosity:</b><br><b>kinematic at 40°C:</b>      | 72 mm <sup>2</sup> /s (ISO 3104)    |
| · <b>Solvent content:</b><br><b>Organic solvents:</b> | 0.0 %                               |

## 10 Stability and reactivity

- **Conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known
- **Dangerous products of composition:** None

## 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritant effect.
- **Sensitization:** No sensitizing effect known.

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· **Additional toxicological information:**  
 When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

## 12 Ecological information:

- **Information about elimination (persistence and degradability):**
- **Other information:** The product is biodegradable.
- **General notes:**  
 Water hazard class 2 (Self-assessment): hazardous for water.  
 Do not allow product to reach ground water, water bodies or sewage system.

## 13 Disposal considerations

- **Product:**
- |                                   |   |
|-----------------------------------|---|
| · <b>European waste catalogue</b> |   |
| 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   |
| 13 02 06                          | synthetic engine, gear and lubricating oils   |
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- **Maritime transport IMDG/GGVSea:**
- **Marine pollutant:** No
- **Transport/Additional information:** No dangerous goods in accordance with the above orders

## 15 Regulatory information

- **Designation according to EC guidelines:**  
 The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).
- **Special designation of certain preparations:**  
 Safety data sheet available for professional user on request.
- **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.

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· **Relevant R-phrases**

38 Irritating to skin.

41 Risk of serious damage to eyes.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Department issuing data specification sheet:** Safety / Health / Environment

· **Contact:** Dr.G.Lukaschek

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

· **\* Data compared to the previous version altered.**

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