# SAFETY DATA SHEET

## ACCORDING TO 1907/2006/EC, ARTICLE 31

PRINTING DATE 08.01.2019 REVISION 08.01.2019

## 1. Identification of Product and Company's Name:

**PRODUCT DETAIL**
**Trade Name:** Schnell PAO RS SAE 5W-40
**Article Number:** 5W-40
**Application of the substance / the preparation:**
**Manufacturer / Supplier:**
OWS Our Workshop System Klaus Bosshammer e.K.
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**Further information obtainable from:**
Labor: Klaus Bosshammer | Tel: (49) 171 9978 792 | E-mail: info@schnell-lubricant.com
**Information in case emergency:** Tel: (49) 171 9978 792 Monday to Friday 9:00 to 18:00 CET

## 2. Possible Hazards:

**2.1. Classification of the substance or mixture**
This mixture is not classified as dangerous according to Directive 1999/45/EC.

**2.2. Label elements**
Additional advice on labelling
According to EC directives or the corresponding national regulations there is no labelling obligation for this product.

**2.3. Other hazards**
No data available

## 3. Composition/Ingredients:

**3.2. Mixtures**

| Component | Synonyms | CAS No. | Content (%) |
|---|---|---|---|
| Distilled, Hydrogenated, Heavy Paraffinic | Hydrotreated (severe) heavy paraffinic distillate | 64742-54-7 | 20-30 |
| Hydrogenated Decene Homopolymer | Saturated Olefin Hydrocarbons | 68037-01-4 | 50-60 |
| Zinc Alkyl Dithiophosphate | Phosphorodithioic Acid | 68649-42-3 | <1 |
| Polyol Ester | Trimethylolpropane caprylate/capriate | 11138-60-8 | 5-10 |
| Ethylene- Propylene Copolymer | 1-Propene, Polymer with Ethene | 9010-79-1 | 1-5 |

## 4.First Aid Measures:

### 4.1. Description of first aid measures

**General information**

Self-protection of the first aider.

Change contaminated clothing.
Do not put any product-impregnated cleaning rags into your trouser pockets.

**After inhalation**

In case of inhalation of aerosols/spray mist/splash spots: Consult physician. Provide fresh air.
Avoid breathing dust/fume/gas/mist/vapours/spray. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
In case of inhalation of aerosols/spray mist/splash spots: Consult physician.

**After contact with skin**

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.
If skin irritation or rash occurs: Get medical advice/attention.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water.
In case of troubles or persistent symptoms, consult an ophthalmologist.

**After ingestion**

Rinse mouth immediately and drink large quantities of water.
If swallowed, do not induce vomiting: seek medical advice immediately and show this container label.

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

No data available

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

Caution if victim vomits: Risk of aspiration!

Aspiration hazard: Immediately get medical attention.

## 5. Fire Fighting measures:

### 5.1. Extinguishing media

**Suitable extinguishing media**

Extinguishing materials should be selected according to the surrounding area. Carbon dioxide ($CO_2$). Dry extinguishing powder. Foam.

**Extinguishing media which must not be used for safety reasons**

High power water jet.

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

Special exposure hazards arising from the substance itself, combustion products, resulting gases: Carbon dioxide ($CO_2$). Carbon monoxide. Sulfur oxides. Phosphorus oxides. Hydrogen sulphide ($H_2S$).

### 5.3. Advice for firefighters

Carbon black In case of fire: Wear self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.
In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Use a water spray jet to knock down vapours/gases/mists. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## 6. Accidental release measures:

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

High slip hazard because of leaking or spilled product. Wear suitable protective clothing.
Wear respiratory protection when in the presence of vapour, dust, and aerosols.

**6.2. Environmental precautions**

Do not empty into drains or the aquatic environment.
Prevent spreading over great surfaces (e.g. by damming or installing oil booms).

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the assimilated material according to the section on waste disposal.

**6.4. Reference to other sections**

In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

## 7. Storage and Handling:

**7.1. Precautions for safe handling**

**Advice on safe handling**

Protect skin by using skin protective cream. Wash hands before breaks and at the end of work. Conditions to avoid: aerosol or mist generation.

**Advice on protection against fire and explosion**

No special measures are necessary.
When using do not smoke.
Fire class: B (German Industry Norms (DIN) / European Norms (EN): EN2)

**Further information on handling**

No data available

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

**Requirements for storage rooms and vessels**

Keep container tightly closed.
Keep away from heat. Keep/Store only in original container.

**Advice on storage compatibility**

Do not store together with:Food and fodder, Oxidizing agents.

**Further information on storage conditions**

If product enters soil, it will be mobile and may contaminate groundwater Keep away from heat.

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

Motor oil

## 8. Explosion Control/Personal Protection:

**8.1. Control parameters**

**Exposure limits (EH40)**

### 8.2. Exposure controls

**Occupational exposure controls**

No data available

**Protective and hygiene measures**

When using do not eat, drink or smoke.
Change contaminated clothing.
Wash hands before breaks and at the end of work. Protect skin by using skin protective cream.
Keep away from food, drink and animal feedingstuffs.
Do not breathe vapour.

**Respiratory protection**

Wear respiratory protection when in the presence of vapour, dust, and aerosols.

**Hand protection**

Wear suitable gloves.

**Eye protection**

In case of fine dispersion/spraying/misting: Wear eye/face protection.

**Skin protection**

In case of fine dispersion/spraying/misting: Wear protective gloves/protective clothing.

## *9. Physical & Chemical Characteristics:*

### 9.1. Information on basic physical and chemical properties

| | | |
|---|---|---|
| Appearance / color | Visual | Bright & Clear |
| Density @ 15 °C, kg/L | ASTM D4052 | 0.8470 |
| Density @ 20 °C, kg/L | ASTM D4052 | 0.8439 |
| Density @ 30 °C, kg/L | ASTM D4052 | 0.8376 |
| Color | ASTM D1500 | <3.0 |
| Kinematic Viscosity @ 40°C, cSt | ASTM D445 | 81.52 |
| Kinematic Viscosity @ 100°C, cSt | ASTM D445 | 14.34 |
| Viscosity Index | ASTM D2270 | 185 |
| TBN, mg/KOH/g | ASTM D2896 | 6.5 |
| Flash Point (COC), °C | ASTM D92 | 230 |
| Pour Point, °C | ASTM D97 | -45 |
| CCS, cP | ASTM D5293 | 5336 |
| HTHS, cP | ASTM D5481 | 3.57 |
| Foaming Sq.I, ml/ml | ASTM D892 | 10/0 |
| Foaming Sq.II, ml/ml | ASTM D892 | 10/0 |
| Foaming Sq.III, ml/ml | ASTM D892 | 10/0 |

### 9.2. Other information

none/none

## 10. Stability & Reactivity Data:

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

No thermal decomposition if properly stored / handled /transported. Onset of decomposition at elevated temperatures (>120°C): (e.g. H2S)

### 10.3. Possibility of hazardous reactions

possible with strong oxidizing agents.
This product is stable under normal conditions. Hazardous reactions are unlikely.

### 10.4. Conditions to avoid

Oxidizing agents, strong..Etchant and acids

### 10.5. Incompatible materials

Oxidizing agents, strong.

### 10.6. Hazardous decomposition products

none/none

### Further information

No thermal decomposition if properly stored / handled /transported.

## 11. Toxicological Information:

### 11.1. Information on toxicological effects

**Toxicocinetics, metabolism and distribution**

No data available.

**Acute toxicity**

No data available.
Irritant effect on the respiratory tract: Do not breathe gas/vapour.

| CAS No | Chemical name | | | | |
|---|---|---|---|---|---|
| | Exposure routes | Method | Dose | Species | Source |
| 72623-87-1 | Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based | | | | |
| | oral | LD50 | => 5000 mg/kg | Rat. | OECD 401 |
| | dermal | LD50 | = > 2000 mg/kg | Rabbit. | OECD 402 |
| | inhalative (4 h) | LC50 | = > 5.53 mg/l | Rat. | OECD 403 |
| 72623-87-1 | Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based | | | | |
| | oral | LD50 | => 5000 mg/kg | Rat. | OECD 401 |
| | dermal | LD50 | = > 2000 mg/kg | Rabbit. | OECD 402 |
| | inhalative (4 h) | LC50 | = > 5.53 mg/l | Rat. | OECD 403 |

**Specific effects in experiment on an animal**

No data available.

**Irritation and corrosivity**

Irritant effect on the skin: none/none

Frequent and prolonged eye contact may cause eye irritation.

**Sensitising effects**

Due to the very low concentration of sensitizing substances, the finished product can be assumed not to be skin-sensitizing.

**Severe effects after repeated or prolonged exposure**

Frequently or prolonged contact with skin may cause dermal irritation.

**Carcinogenic/mutagenic/toxic effects for reproduction**

The product is not classified.

**Additional information on tests**

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

**Empirical data on effects on humans**

not applicable

Has de-greasing effect on the skin.

**Further information**

No special hazards known when the product is properly used and the precautionary measures indicated are observed.

## *12. Ecological Information:*

### 12.1. Toxicity

armful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

| CAS No | Chemical name | | | | | |
|---|---|---|---|---|---|---|
| | Aquatic toxicity | Method | Dose | h | Species | Source |
| 72623-87-1 | Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based | | | | | |
| | Acute fish toxicity | LC50 | > 100 mg/l | 96 | | OECD 203 |
| | Acute algae toxicity | ErC50 | >= 100 mg/l | 72 | | OECD 201 |
| | Acute crustacea toxicity | EC50 | > 10 000 mg/l | 48 | | OECD 202 |
| 72623-87-1 | Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based | | | | | |
| | Acute fish toxicity | LC50 | > 100 mg/l | 96 | | OECD 203 |
| | Acute algae toxicity | ErC50 | >= 100 mg/l | 72 | | OECD 201 |
| | Acute crustacea toxicity | EC50 | > 10 000 mg/l | 48 | | OECD 202 |

### 12.2. Persistence and degradability

Due to its low solubility in water the product is almost completely mechanically separated in biological waste water treatment plants. Is eliminable from water only with difficulty.

Not easily bio-degradable (according to OECD-criteria). Product is partially biodegradable. Significant residues remain.

Post-use oils must not be discharged into the sewer system or into surface waters nor must they be allowed to enter the soil.

### 12.3. Bioaccumulative potential

No data available.
Do not allow uncontrolled leakage of product into the environment.

**Partition coefficient n-octanol/water**

| CAS No | Chemical name | Log Pow |
|---|---|---|
| 72623-87-1 | Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil- | > 6 |

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

No data available

### 12.6. Other adverse effects

Aquatic organisms: No data available. Effects in sewage plants No data available. No data available.

### Further information

Do not empty into drains or the aquatic environment. The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

## *13. Disposal Instructions:*

### 13.1. Waste treatment methods

**Advice on disposal**

The waste codes stated are recommendations based on the expected use of the substance and may be re- assigned to other waste codes by the user, if applicable.
Waste disposal according to official state regulations .
Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

**Waste disposal number of waste from residues/unused products**

130205 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19); waste engine, gear and lubricating oils; synthetic engine, gear and lubricating oils Classified as hazardous waste.

**Waste disposal number of used product**

130205 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19); waste engine, gear and lubricating oils; synthetic engine, gear and lubricating oils Classified as hazardous waste.

**Contaminated packaging**

Dispose of this material and its container to hazardous or special waste collection point. Cleaned containers may recycled. Handle contaminated packaging in the same way as the substance itself.

## *14. Transportation Instructions:*

**Land transport (ADR/RID)**

**14.2. UN proper shipping name:** Motor oil

**Other applicable information (land transport)**

No dangerous good in sense of this transport regulation.

**Inland waterways transport (ADN)**

**14.2. UN proper shipping name:** Motor oil

**Other applicable information (inland waterways transport)**

No dangerous good in sense of this transport regulation.

**Marine transport**

**14.2. UN proper shipping name:** Motor oil

**Other applicable information (marine transport)**

No dangerous good in sense of this transport regulation.

**Air transport**

**14.2. UN proper shipping name:** Motor oil

**Other applicable information (air transport)**

No dangerous good in sense of this transport regulation.

## *15. Regulation Instructions:*

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

**EU regulatory information**

**Additional information**

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.

**National regulatory information**

Water contaminating class (D):

## *16. Other Information:*

**Full text of R-phrases referred to under sections 2 and 3**

53 May cause long-term adverse effects in the aquatic environment.

**Full text of H-Statements referred to under sections 2 and 3**

H304 May be fatal if swallowed and enters airways.

H413 May cause long lasting harmful effects to aquatic life.