

Safety data sheet  
according to Regulation (EU) No. 453/2010

Issue date: 22.07.2015  
Version

Revision: 17.03.2015  
2

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

- **1.1 Product identifier**
  - **Product name: PAG Oil**
    - **Part number:** 699935, 699936, 699937, 946016, 946017, 946018
    - **Application of the substance / the mixture** Compressor Oil for refrigeration systems
- **1.3 Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:**  
Valeo Service Activity  
70, rue Pleyel  
93285 Saint Denis
  - **email of person responsible:** iwona.tanska@valeo.com
- **1.4 Emergency telephone number:** CHEMTREC International +1 (703) 527-3887 24 hr

## SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
  - **Classification according to Regulation (EC) No 1272/2008**  
The product is not classified according to the CLP regulation.
- **2.2 Label elements**
  - **Labelling according to Regulation (EC) No 1272/2008** Not Applicable
    - **Hazard pictograms** Not Applicable
    - **Signal word** Not Applicable
    - **Hazard statements** Not Applicable
  - **Additional information:** For Professional Use Only
- **2.3 Other hazards**
  - **Results of PBT and vPvB assessment**
    - **PBT:** Not applicable.
    - **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
  - **Description:** Mixture: consisting of the following components.

- **Dangerous components:**

|                     |      |
|---------------------|------|
| Polyalkylene glycol | 100% |
|---------------------|------|

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

## SECTION 4: First aid measures

- **4.1 Description of first aid measures**
  - **General information:** No special measures required.
  - **After inhalation:** Supply fresh air; consult doctor in case of complaints.
  - **After skin contact:**  
Wash with plenty of soap and water. Remove contaminated clothing. If skin irritation occurs, get medical attention. Launder contaminated clothing before reuse.

(Contd. on page 2)

Safety data sheet  
according to Regulation (EU) No. 453/2010

Issue date: 22.07.2015  
Version

Revision: 17.03.2015  
2

**Product name: PAG Oil**

(Contd. of page 1)

- **After eye contact:**  
Rinse cautiously with water. Remove contact lenses, if present and easy to do. Get medical attention if eye irritation develops or persists.
- **After swallowing:** Rinse out mouth. Do not induce vomiting. If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Information for doctor:** Treat Symptomatically
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
  - **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
  - **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture** See section 10 for additional information.
- **5.3 Advice for firefighters**
  - **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Personal protective equipment must be worn. Avoid contact with skin, eyes or clothing. Ventilate area if spilled in a confined space or other poorly ventilated area.
- **6.2 Environmental precautions:** Do not allow product to reach sewage system or any water course.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Avoid contact with the eyes and skin.  
Avoid contact with clothing.  
Use only in well ventilated areas.  
Prevent formation of aerosols.
  - **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
  - **Storage:**
    - **Requirements to be met by storerooms and receptacles:**  
See section 10 for incompatible materials.

(Contd. on page 3)

Safety data sheet  
according to Regulation (EU) No. 453/2010

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Version

Revision: 17.03.2015  
2

**Product name: PAG Oil**

(Contd. of page 2)

- **Information about storage in one common storage facility:**  
Store away from water.  
Store in a cool dry place in tightly closed containers.
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:**  
eyewash station  
safety shower
- **8.1 Control parameters**
  - **Ingredients 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 valid during the making were used as basis.
- **8.2 Exposure controls**
  - **Personal protective equipment:**
    - **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.
    - **Respiratory protection:**  
Not necessary if room is well-ventilated.  
Use suitable respiratory protective device only when aerosol or mist is formed.
    - **Protection of hands:**



Chemical resistant protective gloves (EN 374)

- **Eye protection:**



Safety glasses. If potential for splash or mist exists, wear chemical goggles or faceshield.

## SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
  - **General Information**
    - **Appearance:**
      - **Form:** Fluid
      - **Colour:** Clear
    - **Odour:** Mild
    - **Odour threshold:** Not determined.
  - **pH-value:** Not determined.

(Contd. on page 4)

Safety data sheet  
according to Regulation (EU) No. 453/2010

Issue date: 22.07.2015  
Version

Revision: 17.03.2015  
2

**Product name: PAG Oil**

(Contd. of page 3)

|   |   |
|---|---|
| · <b>Change in condition</b>                      |   |
| · <b>Melting point/Melting range:</b>             | Undetermined.                                 |
| · <b>Boiling point/Boiling range:</b>             | Undetermined.                                 |
| · <b>Flash point:</b>                             | > 191 °C                                      |
| · <b>Flammability (solid, gaseous):</b>           | Not applicable.                               |
| · <b>Ignition temperature:</b>                    |   |
| · <b>Decomposition temperature:</b>               | Not determined.                               |
| · <b>Self-igniting:</b>                           | Product is not selfigniting.                  |
| · <b>Danger of explosion:</b>                     | Product does not present an explosion hazard. |
| · <b>Explosion limits:</b>                        |   |
| · <b>Lower:</b>                                   | Not determined.                               |
| · <b>Upper:</b>                                   | Not determined.                               |
| · <b>Vapour pressure:</b>                         | Not determined.                               |
| · <b>Density at 20 °C:</b>                        | 0.97 g/cm <sup>3</sup>                        |
| · <b>Relative density</b>                         | Not determined.                               |
| · <b>Vapour density</b>                           | Not determined.                               |
| · <b>Evaporation rate</b>                         | Not determined.                               |
| · <b>Solubility in / Miscibility with</b>         |   |
| · <b>water:</b>                                   | Not miscible or difficult to mix.             |
| · <b>Partition coefficient (n-octanol/water):</b> | Not determined.                               |
| · <b>Viscosity:</b>                               |   |
| · <b>Dynamic:</b>                                 | Not determined.                               |
| · <b>Kinematic:</b>                               | Not determined.                               |
| · <b>Solvent content:</b>                         |   |
| · <b>Organic solvents:</b>                        | 0.0 %   |
| · <b>9.2 Other information</b>                    | No further relevant information available.    |

## SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
  - **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Strong acids. Oxidizing agents.
- **10.6 Hazardous decomposition products:**  
Smoke, carbon monoxide, carbon dioxide and other products of incomplete combustion.

GB

(Contd. on page 5)

Safety data sheet  
according to Regulation (EU) No. 453/2010

Issue date: 22.07.2015  
Version

Revision: 17.03.2015  
2

**Product name: PAG Oil**

(Contd. of page 4)

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### LD/LC50 values relevant for classification:

#### Polyalkylene glycol

|        |      |                      |
|--------|------|----------------------|
| Oral   | LD50 | >5000 mg/kg (rat)    |
| Dermal | LD50 | >5000 mg/kg (rabbit) |

#### Primary irritant effect:

- **Skin corrosion/irritation** May cause mild skin irritation.
- **Serious eye damage/irritation**  
Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation**  
Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
  - **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
  - **Carcinogenicity** Based on available data, the classification criteria are not met.
  - **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1 Toxicity

- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** Not Determined
  - **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 course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.
- **12.5 Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

(Contd. on page 6)

Safety data sheet  
according to Regulation (EU) No. 453/2010

Issue date: 22.07.2015  
Version

Revision: 17.03.2015  
2

**Product name: PAG Oil**

(Contd. of page 5)

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

- |  |                                 |
|--|---------------------------------|
| · <b>14.1 UN-Number</b><br>· ADR, ADN, IMDG, IATA                                | Not Regulated                   |
| · <b>14.2 UN proper shipping name</b><br>· ADR, ADN, IMDG, IATA                  | Not Applicable<br>Not Regulated |
| · <b>14.3 Transport hazard class(es)</b><br>· ADR, IMDG, IATA<br>· Class         | Not Applicable<br>Not Regulated |
| · <b>14.4 Packing group</b><br>· ADR, IMDG, IATA                                 | Not Applicable<br>Not Regulated |
| · <b>14.5 Environmental hazards:</b><br>· Marine pollutant:                      | No                              |
| · <b>14.6 Special precautions for user</b>                                       | Not applicable.                 |
| · <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable.                 |
| · <b>UN "Model Regulation":</b>  | -                               |

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No REACH Annex XVII restrictions  
Contains no REACH candidate substance
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 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.

- **Issue Date:** July 22, 2015
- **Revision Changes:**
  - v 1.0 - original release (March 17, 2015)
  - v 2.0 - modified section 1, address information (July 22, 2015)
- **Abbreviations and acronyms:**
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association

(Contd. on page 7)

Safety data sheet  
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GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)

(Contd. of page 6)

GB