



Suspension Oils

Formula GP SAE 10

Description

Formula GP Fork Oil has been developed for pure competition purposes. Using the very latest in additive technology. These special additives give the oil excellent lubricating properties, reducing friction and therefore improving contact, response and grip between tyre and track. The additives prevent foaming, therefore damping stability is guaranteed. The viscosity of the oil remains stable throughout the whole temperature range and eliminates damping loss.

Application

Specifications

Typical standard analyses

Density at 15 °C, kg/l	0,846
Viscosity 40 °C, mm ² /s	52,40
Viscosity 100 °C, mm ² /s	8,96
Viscosity Index	152
Flash Point COC, °C	252
Pour Point, °C	-33
Acid number, mgKOH/g	1,60

06/14/2013

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.

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 14.09.2010

Revision: 14.09.2010

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

- Product details
- Trade name: **Formula GP SAE 10**
- Article number: PF.20.01
- Application of the substance / the preparation: Hydraulic fluid
- Manufacturer/Supplier: Putoline Oil
Dollegoorweg 15
NL-7602 EC ALMELO
Tel.: +31 (0)546 818165
- Further information obtainable from: Product safety department - vib@putoline.com
- Information in case of emergency: +31 (0)546 818165 (9 AM to 4 PM, Monday to Friday)

* 2 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.
- GHS label elements: Void

* 3 Composition/information on ingredients

- Dangerous components: Void
- 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 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: CO₂, dry chemical, or foam. Water can be used to cool and protect exposed material.
- 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.

6 Accidental release measures

- Person-related safety precautions: Wear protective clothing.
- Measures for environmental protection: Do not allow to enter sewers/ surface or ground water.
- 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: No dangerous substances are released.
See Section 7 for information on safe handling.

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See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special measures required.
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:** 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.
- **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:**
- **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** The exact break trough 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
· Colour:	Clear
· Odour:	Characteristic
· Change in condition	
· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	Undetermined.
· Drip point:	
· Pour point	-30°C
· Flash point:	254°C
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Density at 20°C:	0.843 g/cm ³
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.

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· Viscosity:	
· Kinematic:	
Viscosity at 40°C	51,0 mm ² /s
· Solvent content:	
Organic solvents:	0.0 %

10 Stability and reactivity

- Thermal decomposition / conditions to be avoided: To avoid thermal decomposition do not overheat.
- Materials to be avoided:
- 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.

12 Ecological information

- Information about elimination (persistence and degradability):
- Other information: The product is difficultly biodegradable.
- Additional ecological information:
- 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:	-
· UN "Model Regulation":	-

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* 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.

- **Department issuing MSDS:** Product safety department.
- **Contact:** Product safety department
- **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)
 - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 - IMDG: International Maritime Code for Dangerous Goods
 - IATA: International Air Transport Association
 - IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
 - ICAO: International Civil Aviation Organization
 - ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
 - GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- **Sources**
 - 67/548/EEC - Dangerous Substances Directive
 - 99/45/EEC - Dangerous Preparations Directive
- *** Data compared to the previous version altered.**