

FLUID 422

422 is an extra high performance, multipurpose tractor lubricant engineered to meet or exceed transmission and hydraulic fluid requirements. This product is formulated for the service top-up and refill of transmissions, final drives, and hydraulic systems of farm and industrial tractors and other mobile equipment and especially those with oil-immersed brake systems. This product is designed with special frictional characteristics to prevent squawk and chatter in wet brake systems and to deliver consistent braking performance. 422 combines high performance base oils and an advanced additive package to deliver the varied lubricant performance properties required by these heavy-duty gear transmissions and heavily loaded final drives.

Properties

- Enhanced frictional properties especially for immersed disc brakes
- Compatible with clutch materials and elastomers
- High viscosity index with improved shear stability
- Excellent protection against rust, corrosion, and yellow metal etching

Approvals and Specifications

API GL-4

FORD ESN-M2C134-D

MASSEY FERGUSON CMS M1135

TEST	METHOD	TYPICAL PROPERTIES
Density, g/cm ³ , at 15°C	ASTM D 4052	Min. 0,890
Kinematic Viscosity, cSt, at 100°C	ASTM D 445	13.8
Kinematic Viscosity, cSt, at 40°C	ASTM D 445	103
Viscosity Index	ASTM D 2270	120
Flash Point, °C, min	ASTM D 92	226
Pour Point, °C, max	ASTM D 97	-30

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form	: Mixture
Product name	: TRACTOR 422
Type of product	: CMO
Product group	: Blend

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Main use category	: Industrial use, Professional use, Consumer use
Industrial/Professional use spec	: Non-dispersive use Used in closed systems
Function or use category	: Lubricants and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

FACO PETROL KİMYA SANAYİ DİŞ TİCARET LTD. ŞTİ.
Center Office: Siteler Mh. 492 Sk. No: 1/A My Vista Smart Aliğa/İZMİR/TÜRKİYE
info@cosmomotoroil.com / www.cosmomotoroil.com
Phone: +90 552 222 6766

1.4. Emergency telephone number

Emergency number	: +90 552 222 6766
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2: Hazards Identification

2.1. Classification of the substance or mixture

Fire And Explosion Hazard:	Product is not classified hazardous.
Health Hazard:	Product is not classified hazardous.
Environmental Hazard:	Product is not classified hazardous.

2.2. Label elements

Not applicable

2.3. Other hazards

PBT: Not applicable

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3: Composition/Information On Ingredients

3.1. Substances

Chemical name	Cas No	EC No	Concentration(%)	Classification
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	276-738-4	65-95	Asp. Tox.1,H304
Calcium long chain alkaryl sulfonate	722503-69-7	682-812-0	1,0-1,5	Aquatic Chronic 4/H413
Alkyl phosphate	190454-07-0	-	0,01-0,05	Skin Irrit. 2,H315 Eye Dam. 1/H318 Aquatic Chronic 2, H411
Zinc alkyl dithiophosphate	68649-42-3	272-028-3	0,8-1,4	Eye Dam. 1/H318 Aquatic Chronic 2, H411
Methacrylate copolymer	Proprietary	-	0,1-0,3	Eye Irrit.2,H319
Alkaryl polyether	Proprietary	-	0,1-0,5	Skin Irrit. 2,H315 Eye Irrit.2,H319 Aquatic Chronic 2, H411

ADDITIONAL INFORMATION Product containing mineral oil with less than 3% DMSO extract as measured by IP-346

4: First Aid Measures

4.1. Description of first aid measures

Eye contact In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately

Skin contact In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately.

Ingestion Do not induce vomiting. Rinse mouth with water. Consult a physician.

Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

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4.2. Most Important Symptoms And Effects, Both Acute And Delayed

Not determined.

4.3. Indication Of Any Immediate Medical Attention And Special Treatment Needed

Notes to physician Not applicable.

5: Firefighting Measures

5.1. Extinguishing Media

Suitable extinguishing media In case of fire, use water spray (fog), foam, dry chemical or CO₂.

Unsuitable extinguishing media Do not use water .

5.2. Special Hazards Arising From The Substance Or Mixture

Decomposition products may include the following materials: carbon oxides (CO, CO₂)

5.3. Advice For Firefighters

Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment And Emergency Procedures

Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (section 8). Follow all fire-fighting procedures (section 5).

6.2. Environmental Precautions

Try to restrict the release and prevent spread of the product into the environment. Collect liquid before it spreads into drains, the ground and waters.

6.3. Methods And Materials For Containment And Cleaning Up

Immediately start clean-up of the liquid and contaminated soil. Small amounts can be collected using absorbent material. Product waste should be disposed in accordance with item 13. In case of spill, immediately contact local authorities.

7: Handling And Storage

7.1. Precautions For Safe Handling

Provide sufficient ventilation when handling the product. Wear protective equipment when needed. Wear safety shoes

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while handling containers.

7.2. Conditions For Safe Storage, including Any Incompatibilities

Keep container tightly closed. Keep container in a cool, well-ventilated area.

7.3. Specific End Use(s)

Refer to section 1.2. or the extended SDS if applicable.

8: Exposure Controls/Personal Protection

8.1. Threshold Limits

TWA (8 h) : 5 mg/m³

STEL (15 min) : 10 mg/m³

8.2. Exposure Controls

8.2.1 Personal Protective Equipment



8.2.2 Appropriate Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

8.2.3 Individual Protection Measures

Eye/face protection	Safety glasses with side shields. Goggles with a face shield may be necessary depending on quantity of material and conditions of use.
Hand protection	Nitrile rubber, PVC disposable gloves. Change protective gloves often enough.
Skin and body protection	Minimize any skin contact. Protective clothing when needed.
Respiratory protection	Use appropriate respiratory protection if there is the potential to exceed the exposure limit(s).

9: Physical And Chemical Properties

9.1. Information On Basic Physical And Chemical Properties

Test	Test Unit	Values	Test Method
Physical state	-	Liquid- Yellow.	-

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Odor	-	Petroleum.	-
Odor threshold	-	Not available.	-
pH	-	Not available.	-
Pour Point	°C	Max. -30	ASTM D 6749
Initial boiling point and boiling	-	Not available.	-
Evaporation rate	-	Not available.	-
Flammability (solid, gas)	-	Not available.	-
Upper/lower flammability or explosive limits	-	Not available.	-
Vapor pressure	-	Not available.	-
Vapor density	-	Not available.	-
Density, 15 °C	g/cm ³	0,86-0,89	ASTM D 4052
Solubility	-	insoluble in water	-

Partition coefficient (n-octanol/water)	-	Not available.	-
Decomposition temperature	-	Not available.	-
Viscosity, 100 °C	mm ² /s	9,5 – 12,5	ASTM D 445
Explosive properties	-	Not available.	-
Oxidizing properties	-	Not available.	-
Flash Point	°C	Min. 210	ASTM D 92

9.2. Further information

No specific data.

10: Stability And Reactivity

10.1. Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2. Chemical Stability

The product is stable.

10.3. Possibility Of Hazardous Reactions

Not determined.

10.4 Conditions To Avoid

High temperatures, sparks, and open flames.

10.5 Incompatible Materials

Strong oxidizing and reducing agents.



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10.6 Hazardous decomposition products

No specific data.

11: Toxicological Information

11.1. Information on toxicological effects

Acute toxicity	No specific data.
Skin irritation	May irritate slightly the skin.

Serious eye damage/ eye irritation	May irritate slightly the the eyes
Carcinogenicity	No specific data.
Reproductive toxicity	No specific data.
Specific target organ toxicity - single exposure	No specific data.
Specific target organ toxicity - repeat exposure	No specific data.

12: Ecological Information

12.1. Toxicity

Daphnia EC50/48h: 101.0000 mg/l

Algae IC50/72h : 101.0000 mg/l

Fish LC50/96h : 101.0000 mg/l

12.2. Persistence and degradability

No specific data.

12.3. Bioaccumulative potential

No specific data.

12.4. Mobility

Product does not evaporate from surface soil or water. It is insoluble in water. Product can penetrate soil until reaching the surface of ground water. Base oil hydrocarbons can be adsorbed onto organic material in soil or sediment.

12.5. Results of PBT and vPvB assessment

No specific data.

12.6. Other adverse effects

No specific data.

13: Disposal Considerations

GENERAL INFORMATION

Dispose of waste and residues in accordance with local authority requirements.

DISPOSAL METHODS

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Incinerate with provision for removal of effluent gases by scrubber.

14: Transport information

Not dangerous goods in the meaning of ADR/RID, ADN, IMDG-Code, ICAO/IATA-DGR

14.1. UN No

Not applicable.

14.2. Proper shipping name

Not applicable.

14.3. Transport hazard class(es):

Not applicable.

14.4. Packaging group

Not applicable.

14.5. Environmental hazards:

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

15: Regulatory Information

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

Product is classified and labeled in accordance with the procedures and principles stipulated in the EU Directive and ' Regulations on the preparation of safety data sheets on hazardous substances and mixtures (13.12.2014- 29204 numbered Official Gazette) ', ' The regulation on preparation and distribution of safety data sheets on hazardous materials and preparations (26/12/2008 to 27092 Rep.'.

16: Other Information

Revision Statement:

This Safety Data Sheet is Revision 2. Product is classified and labeled in accordance with the procedures and principles stipulated in the (13.12.2014- 29204 numbered Official Gazette) ', ' The regulation on preparation and distribution of safety data sheets on hazardous materials and preparations

Explanations of the abbreviations

ADR European Agreement concerning the International Transport of Dangerous Goods by Road

IATA The International Air Transport Association



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IMDG	International Maritime Dangerous Goods Code
MARPOL 73/78	International Convention for the Prevention of Pollution from Ships
PBT	Persistent Bioaccumulative Toxic
RID	Regulations concerning the International Transport of Dangerous Goods by Rail
STEL	Short Term Exposure Limit
TWA	8-hour Time Weighted Averages
vPvB	Very Persistent Bioaccumulative Toxic

Information sources

Hazard statements:

H304 May be fatal if swallowed and enters airways

H315 Causes skin irritation

H318 Causes serious eye damage

H319 Causes serious eye irritation

H411 Toxic to aquatic life with long-lasting effects

H413 May cause long lasting harmful effects to aquatic life

This information and these recommendations are offered in good faith and believed to be correct as of the date hereof. Information and recommendations are supplied upon the condition that the recipients will make their own decision as to safety and suitability for their purposes. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, are made with respect to the product or the information and recommendations. Reksoil Petrokimya makes no representation as to completeness or accuracy. In no event will Reksoil Petrokimya be responsible for damages of any nature whatsoever resulting from the use or reliance upon the information and recommendations.