

### SAFETY DATA SHEET MAXIMA EV FLUID LC

SECTION 1: Identification of the	ne substance/mixture and of the company/undertaking
1.1. Product identifier	
Product name	MAXIMA EV FLUID LC
1.2. Relevant identified uses o	f the substance or mixture and uses advised against
Identified uses	Industrial oil
Uses advised against	This product must not be used in applications other than those recommended in Section 1, without first seeking the advice of the supplier. This product is not to be used as a solvent or cleaning agent; for lighting or brightening fires; as a skin cleanser. This product is designed only to suit automotive applications and no provision is made for the requirements of aviation applications.
1.3. Details of the supplier of the supplier of the supplier of the supplier of the supplication of the su	ne safety data sheet
Supplier	PETROL OFİSİ A.Ş. Ünalan Mahallesi, Libadiye Caddesi No: 82F Kat: 2-3-4, 34700 Üsküdar/ Istanbul Tel: +90 850 339 1919 Fax: +90 216 275 3854 madeniyag@petrolofisi.com.tr
Contact person	Customer Services: madeniyag@petrolofisi.com.tr
1.4. Emergency telephone num	nber
Emergency telephone	Madeni Yağ Customer Services: 0850 339 1919 (working hours)
National emergency telephone number	Emergency Medical Services: 112
SECTION 2: Hazards identifica	ation
2.1. Classification of the substa	ance or mixture
Classification (EC 1272/2008)	
Physical hazards	Not Classified
Health hazards	Acute Tox. 4 - H302 STOT RE 2 - H373
Environmental hazards	Not Classified
2.2. Label elements	
Hazard pictograms	
Signal word	Warning
Hazard statements	H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements	<ul> <li>P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.</li> <li>P314 Get medical advice/ attention if you feel unwell.</li> <li>P330 Rinse mouth.</li> <li>P501 Dispose of contents/ container in accordance with national regulations.</li> <li>P101 If medical advice is needed, have product container or label at hand.</li> <li>P102 Keep out of reach of children.</li> <li>P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.</li> </ul>
Contains	Ethylene glycol

#### 2.3. Other hazards

The DMSO contents of some substances are classified by the manufacturer as <3% according to IP 346.

SECTION 3: Composition/information on ingredients	
3.2. Mixtures	
Ethylene glycol	80-95%
CAS number: 107-21-1	
Classification	
Acute Tox. 4 - H302	
STOT RE 2 - H373	

The full text for all hazard statements is displayed in Section 16.

Composition comments	Some substances are not classified by legistlation. They are self classified by the
	manufacturer. The DMSO extract by IP 346 of the oil is less than $3\%$

#### Ingredient notes See Section 8 for occupational exposure limits.

SECTION 4: First aid measures

4.1. Descr	iption of	<sup>;</sup> first aid	measures

General information	Get medical attention if any discomfort continues.
Inhalation	Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.
4.2. Most important symptom	s and effects, both acute and delayed
General information	Treat symptomatically. See Section 11 for additional information on health hazards.
Inhalation	May cause irritation.
Ingestion	May cause stomach pain or vomiting.
Skin contact	Repeated exposure may cause skin dryness or cracking.
Eye contact	Prolonged or repeated exposure may cause severe irritation.

4.3. Indication of any immediat	te medical attention and special treatment needed
Notes for the doctor	May be fatal if swallowed and enters airways.
Specific treatments	Treat symptomatically.
SECTION 5: Firefighting meas	ures
5.1. Extinguishing media	
Suitable extinguishing media	The product is not flammable. Small fires: Foam. Dry chemicals.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
5.2. Special hazards arising fro	om the substance or mixture
Specific hazards	Not known.
Hazardous combustion products	A complex mixture of airborne solids, liquids and gases can be released. Carbon monoxide (CO). Oxides of sulphur. Unidentified organic or inorganic compounds.
5.3. Advice for firefighters	
Protective actions during firefighting	Avoid breathing fire gases or vapours.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
SECTION 6: Accidental releas	e measures
6.1. Personal precautions, pro	tective equipment and emergency procedures
Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
For non-emergency personnel	Necessary precautions should be taken to ensure that non-educated personnel do not intervene.
For emergency responders	Stop the leakage source if it can be done without risk.Limit spillage to prevent further contamination of soil, surface or ground water.Remove any spilled material as soon as possible by following the precautions in the section Exposure Controls / Personal Protection.Use suitable techniques such as non-flammable absorbent materials or pumping.When possible or appropriate, remove the contaminated soil from the area.Place contaminated products in disposable boxes and dispose of in accordance with regulations.If a heated material is spilled, allow it to cool before handling with disposal methods.
6.2. Environmental precaution	<u>S</u>
Environmental precautions	Avoid discharge into drains or watercourses or onto the ground.
6.3. Methods and material for	containment and cleaning up
Methods for cleaning up	Small spill : Stop leak if without risk. Move containers from spill area. Absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. Absorb in vermiculite, dry sand or earth and place into containers. Large spill : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water sources, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may be pose the same hazard as the spilled product.

#### 6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. See Section 7 for more information on safe handling.
SECTION 7: Handling and stor	age
7.1. Precautions for safe handli	ng
Usage precautions	Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours.
Advice on general occupational hygiene	In the areas where the product is handled, food should not be eaten, beverages should not be drink and smoke should not be smoked. Eye wash facilities and emergency shower must be available when handling this product. Good personal hygiene procedures should be implemented. Wash contaminated skin thoroughly after handling. Take off immediately all contaminated clothing and wash it before reuse.
7.2. Conditions for safe storage	e, including any incompatibilities
Storage precautions	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Only store in correctly labelled containers. Do not enter storage areas or confined spaces unless adequately ventilated. Compatible storage and connection materials should be used like steel and stainless steel .Material compatibility should be checked as some synthetic materials may be incompatible with the product.
Storage class	Not applicable.
7.3. Specific end use(s)	
Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
Usage description	The product must be used as specified in the data sheet. Good ventilation should be provided in the working environment and the vapor generated during use should be avoided.Avoid contact with skin and apply hygienic rules .Avoid contact with eyes.Goggles or face to prevent eye contact mask should be used.Use disposable clothing.Dispose of contaminated clothing without packaging.It should not be siphoned by mouth.

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

#### Occupational exposure limits

Oil mist: TWA: 5 mg/m3 (ACGIH). In no case should this limit be exceeded or the local limit, if it is more restrictive.

Ingredient comments	No information available.
Biological limit values	No information available.
DNEL	No information available.
DMEL	No information available.
PNEC	No information available.
8.2. Exposure controls	

### Protective equipment



Appropriate engineering controls	Ensure good ventilation.Eye / face washing units and safety showers should be installed close to the work area for use in case of emergency, injury and exposure. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.
Personal protection	Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers. Keep away from foodstuffs, beverages and foods. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Store protective clothing separately.
Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin.
Respiratory protection	In confined or poorly-ventilated spaces, a supplied-air respirator must be worn.
Thermal hazards	If there is a risk of contact with hot product, all protective equipment worn should be suitable for use with high temperatures.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Store in a demarcated bunded area to prevent release to drains and/or watercourses.

#### **SECTION 9: Physical and chemical properties**

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

Appearance	Liquid.
Colour	Blue.
Odour	Characteristic.
Odour threshold	No information available.
рН	8,1-8,3
Melting point	Uygun veri yok./-39°C
Initial boiling point and range	No information available.
Flash point	No information available.
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No specific test data are available.
Other flammability	No information available.
Vapour pressure	No information available.
Vapour density	No information available.

Relative density	No information available.
Bulk density	No information available.
Solubility(ies)	Insoluble in water. Hydrocarbons.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	No information available.
Explosive under the influence of a flame	No suitable data is available.
Oxidising properties	No data available.
Comments	Information given is applicable to the product as supplied.
9.2. Other information	
Other information	No information required.
Refractive index	No information available.
Particle size	No information available.
Molecular weight	No information available.
Volatility	No information available.
Saturation concentration	No information available.
Critical temperature	No information available.
Volatile organic compound	No information required.
SECTION 10: Stability and rea	ictivity
10.1. Reactivity	
Reactivity	There are no known reactivity hazards associated with this product. In the event of combustion, CO2, SO2, NOX, CO may be formed.
10.2. Chemical stability	
Stability	Stable at normal ambient temperatures.
10.3. Possibility of hazardous	reactions
Possibility of hazardous reactions	Under normal conditions of storage and use, no hazardous reactions will occur. Do not mix the product with other substances.
10.4. Conditions to avoid	
Conditions to avoid	Avoid contact with strong oxidising agents. Avoid exposure to high temperatures or direct sunlight.
10.5. Incompatible materials	
Materials to avoid	Strong oxidising agents. Chlorates. Nitrates. Peroxides.
10.6. Hazardous decomposition	on products
Hazardous decomposition	

#### SECTION 11: Toxicological information

11.1. Information on toxicologi	cal effects
Toxicological effects	Information given is based on data of the components and of similar products.
Other health effects	No information available.
Acute toxicity - oral	
Summary	Based on available data the classification criteria are not met.
Notes (oral LD₅₀)	LD₅₀ >2000 mg/kg, Oral,
ATE oral (mg/kg)	625.0
Acute toxicity - dermal	
Summary	Based on available data the classification criteria are not met.
Notes (dermal LD₅₀)	LD₅₀ >2000 mg/kg, Dermal,
Acute toxicity - inhalation	
Summary	Based on available data the classification criteria are not met.
Notes (inhalation LC₅₀)	Based on available data the classification criteria are not met.
Skin corrosion/irritation	
Summary	Based on available data the classification criteria are not met.
Skin corrosion/irritation	Slightly irritating.
Animal data	No specific test data are available.
Human skin model test	No specific test data are available.
Extreme pH	No specific test data are available.
Serious eye damage/irritation	
Summary	Based on available data the classification criteria are not met.
Serious eye damage/irritation	Slightly irritating.
Respiratory sensitisation	
Summary	Based on available data the classification criteria are not met.
Respiratory sensitisation	No specific test data are available.
Skin sensitisation	
Summary	Based on available data the classification criteria are not met.
Skin sensitisation	Not sensitising.
Germ cell mutagenicity	
Summary	Based on available data the classification criteria are not met.
Genotoxicity - in vitro	No specific test data are available.
Genotoxicity - in vivo	No specific test data are available.
Carcinogenicity	
Summary	Based on available data the classification criteria are not met.
Carcinogenicity	No specific test data are available. The base oils in the product content contain less than 3% DMSO according to IP 346.

Target organ for carcinogenicity	No specific target organs known.	
IARC carcinogenicity	Not listed.	
NTP carcinogenicity	Not listed.	
Reproductive toxicity		
Summary	Based on available data the classification criteria are not met.	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.	
Reproductive toxicity - development	This substance has no evidence of toxicity to reproduction.	
Specific target organ toxicity -	single exposure	
Summary	Based on available data the classification criteria are not met.	
STOT - single exposure	Based on available data the classification criteria are not met.	
Target organs	No specific target organs known.	
Specific target organ toxicity -	repeated exposure	
Summary	Based on available data the classification criteria are not met.	
STOT - repeated exposure	Based on available data the classification criteria are not met.	
Target organs	No specific target organs known.	
Aspiration hazard		
Summary	Asp. Tox. 1 - H304	
Aspiration hazard	May be fatal if swallowed and enters airways.	
Toxicokinetics	No information required.	
General information	Information given is based on data of the components and of similar products.	
Inhalation	Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.	
Ingestion	May cause discomfort if swallowed.	
Skin contact	Liquid may irritate skin.	
Eye contact	Vapour or spray in the eyes may cause irritation and smarting.	
Acute and chronic health hazards	No information required.	
Route of exposure	Not specific	
Target organs	No specific target organs known.	
Medical symptoms	No information required.	
Medical considerations	No information required.	
SECTION 12: Ecological information		

#### Ecotoxicity

Based on available data the classification criteria are not met. Films formed on water may affect oxygen transfer and damage organisms.

#### 12.1. Toxicity

Toxicity	Information given is based on data of the components and of similar products.	
Acute aquatic toxicity		
Summary	Based on available data the classification criteria are not met.	
Acute toxicity - fish	No specific test data are available.	
Acute toxicity - aquatic invertebrates	No information required.	
Acute toxicity - aquatic plants	No information required.	
Acute toxicity - microorganisms	No information required.	
Acute toxicity - terrestrial	No information required.	
Chronic aquatic toxicity Summary	Based on available data the classification criteria are not met.	
Chronic toxicity - fish early life stage	No information required.	
Short term toxicity - embryo and sac fry stages	No information required.	
Chronic toxicity - aquatic invertebrates	No information required.	
Toxicity to soil	Based on available data the classification criteria are not met.	
Toxicity to terrestrial plants	Based on available data the classification criteria are not met.	
12.2. Persistence and degradability		
Persistence and degradability	Based on available data the classification criteria are not met.	
Phototransformation	No specific test data are available.	
Stability (hydrolysis)	No specific test data are available.	
Biodegradation	Not expected to be readily biodegradable.	
Biological oxygen demand	No specific test data are available.	
Chemical oxygen demand	No specific test data are available.	
12.3. Bioaccumulative potential		
Bioaccumulative potential	Potentially bioaccumulating.	
Partition coefficient	No information available.	
12.4. Mobility in soil		
Mobility	Liquid under most environmental conditions. Floats on water. If spread into ground the groundwater may be polluted.	
Adsorption/desorption coefficient	No specific test data are available.	
Henry's law constant	No specific test data are available.	
Surface tension	No specific test data are available.	
12.5. Results of PBT and vPvB assessment		

Results of PBT and vPvB assessment	Not relevant.	
12.6. Other adverse effects		
Other adverse effects	None known.	
SECTION 13: Disposal consid	derations	
13.1. Waste treatment method	ds	
General information	The generation of waste should be minimised or avoided wherever possible. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents.	
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.	
Waste class	The waste code classification is to be carried out according to the European Waste Catalogue (EWC).	
SECTION 14: Transport infor	mation	
General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).	
14.1. UN number		
Not applicable.		
14.2. UN proper shipping nan	ne	
Not applicable.		
14.3. Transport hazard class(	es)	
No transport warning sign req	juired.	
Transport labels No transport warning sign required.		
14.4. Packing group		
Not applicable.		
14.5. Environmental hazards		
Environmentally hazardous substance/marine pollutant No.		
14.6. Special precautions for	user	
Not applicable.		
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code		
Transport in bulk according to Not applicable. Annex II of MARPOL 73/78 and the IBC Code		
SECTION 15: Regulatory information		
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture		

National regulations	<ul> <li>T. C. Regulation on the Classification, Labeling and Packaging of Substances and Mixtures</li> <li>No. 28848, dated 11 December 2013, by the Ministry of Environment and Urbanization.</li> <li>T. C. Regulation on the Classification, Labeling and Packaging of Substances and Mixtures</li> <li>No. 28848, dated 11 December 2013, by the Ministry of Environment and Urbanization.</li> <li>According to Regulation (EC) No 1907/2006, Annex II, as amended.</li> </ul>
EU legislation	https://echa.europa.eu Dangerous Substances Directive 67/548/EEC.
	Dangerous Preparations Directive 1999/45/EC.
Guidance	Safety Data Sheets for Substances and Preparations.
15.2. Chemical safety assessment	

#### SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	DMSO: Dimethyl sulfoxide STEL: Short term exposure limit E.U. : European union T.C. : Republic of Turkey TWA: Workplace exposure limits UZEM: National Poison Information Center ATE: Acute Toxicity Estimate. ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. CAS: Chemical Abstracts Service. DNEL: Derived No Effect Level. IATA: International Air Transport Association. IMDG: International Maritime Dangerous Goods. LDso: Lethal Dose to 50% of a test population (Median Lethal Dose). PBT: Persistent, Bioaccumulative and Toxic substance. RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail. vPvB: Very Persistent and Very Bioaccumulative. MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. NOEC: No Observed Effect Concentration.
Classification abbreviations and acronyms	Acute Tox. = Acute toxicity Flam. Liq. = Flammable liquid Skin Sens. = Skin sensitisation
General information	Only trained personnel should use this material. This document contains important information to ensure the safe storage, handling and use of this product. The information in this document should be brought to the attention of the person in your organisation responsible for advising on safety matters. Uses and Restrictions : This product must not be used in applications other than those recommended in Section 1, without first seeking the advice of the supplier. This product is not to be used as a solvent or cleaning agent; for lighting or brightening fires; as a skin cleanser. MSDS Distribution : The information in this document should be made available to all who may handle the product. Disclaimer : This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
Key literature references and sources for data	This SDS is prepared based on the information received from raw material suppliers.

Classification procedures according to Regulation (EC) 1272/2008	Not classified for environmental hazards., Not classified for physical hazards., Not classified for health hazards.: Calculation method.
Training advice	Untrained personnel should not use.
Revision comments	Revised classification.
Issued by	Sena Ezgi SELÇUK Safety Data Sheet Specialist (Certificate No: GBF01.55.06 02.10.2024)
Revision date	30/11/2022
Revision	0
Supersedes date	30/11/2022
SDS number	20847
SDS status	Approved.
Hazard statements in full	H302 Harmful if swallowed. H373 May cause damage to organs through prolonged or repeated exposure. H373 May cause damage to organs through prolonged or repeated exposure if swallowed or if inhaled.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.