

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

ARGA SUPER EP 1

Section 1: Identification of The Substance/Mixture and of The Company/Undertaking

Product identifier

Product name ARGA SUPER EP 1

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

Identified uses Lubricating grease

Details of the supplier of the safety data sheet

Supplier OPET FUCHS MADENİ YAĞ SAN. ve TİC. A.Ş.
Atatürk Organize Sanayi Bölgesi 10006 Sok.
No:12 35620 Çiğli/İZMİR
Tel: +90 232 376 78 38
Fax: +90 232 376 78 39

Emergency telephone number

Emergency telephone UZEM (National Poison Consultancy Center): 114
Emergency Health Service:112
+90 0232 376 78 38

Section 2: Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS].

Classification according to Directive 67/548/EEC or 1999/45/EC

This mixture is classified as not hazardous according to regulation 1999/45/EC.

Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS].

Symbols/Pictograms

None

Signal Word

None

EU Specific Hazard Statements

EUH210 Safety data sheet available on request.

Other hazards

No information available.

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Section 3: Composition/Information On Ingredients

Mixtures

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS].

Chemical Name	EC No	CAS No	Weight (%)	Classification according to Directive 67/548/EEC or 1999/45/EC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Zinc naphthenate	234-409-2	12001-85-3	<1,2	N;R51/53	Aquatic Chronic 2 (H411)
2-ethylhexyl zinc dithiophosphate	224-235-5	4259-15-8	<1,3	N;R51/53 Xi;R41	Eye Dam. 1 (H318) Aquatic Chronic 2 (H411)

Ingredient comments

This product is a lithium grease based on mineral oil with additives. The mineral oils in the product contain <3% DMSO extract(IP 346).

Full text of R-phrases: see section 16

Full text of H- and EUH-phrases: see section 16

Section 4: First Aid Measures

Description of first aid measures

Inhalation	Move to fresh air in case of accidental inhalation of vapors.
Skin contact	Wash with soap and water.
Eye contact	Rinse thoroughly with plenty of water, also under the eyelids.
Ingestion	Do NOT induce vomiting. IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

Most important symptoms and effects, both acute and delayed

Symptoms None known.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

Section 5: Firefighting Measures

Extinguishing media

Suitable extinguishing media

Use CO2, dry chemical, or foam.

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Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

Special hazards arising from the substance or mixture

Not flammable. Fire may produce irritating and/or toxic gases.

Advice for firefighters

In the event of fire and/or explosion do not breathe fumes.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal precautions

Extremely slippery when spilled.

For emergency responders

Use personal protection recommended in Section 8.

Environmental precautions

Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

Methods for cleaning up

Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

Reference to other sections

Other information

See Section 12: ECOLOGICAL INFORMATION.

Section 7: Handling and Storage

Precautions for safe handling

Advice on safe handling

Extremely slippery when spilled.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. Avoid prolonged or repeated contact with skin.

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Conditions for safe storage, including any incompatibilities

Storage conditions

Keep containers tightly closed in a cool, well-ventilated place. Keep at a temperature not exceeding 45°C. Keep away from heat, sparks and open flame.

Specific end use(s)

Risk management methods

The information required is contained in this Safety Data Sheet.

Section 8: Exposure Controls/Personal Protection

Precautions for safe handling

DNEL No information available.
PNEC No information available.

Exposure controls

Engineering controls

None under normal processing.

Personal protective equipment



Hand protection

Wear protective nitrile rubber gloves. Thickness ≥ 0.38 mm - breakthrough time >480 minutes. Thickness 0.1 mm - splash protection. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

Eye/face protection

Avoid contact with eyes.

Body protection

Suitable protective clothing.

Respiratory protection

None under normal processing. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

General hygiene considerations

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Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls

Prevent product from entering drains.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state	Semi-solid
Appearance	Smooth
Color	Yellow-Brown
Odor threshold	No information available.
Explosive properties	No information available.
Oxidizing properties	No information available.

<u>Property</u>	<u>Values</u>	<u>Remarks-Method</u>
pH		No information available.
Melting point/freezing point		No information available.
Boiling point/boiling range		Not applicable.
Flash point	> 150 °C / > 302 °F	Based on base oils.
Evaporation rate		Not applicable.
Flammability (solid, gas)		No information available.
Flammability limits in air		No information available.
Vapor pressure		Not applicable.
Vapor density		Not applicable.
Specific gravity		No information available.
Solubility(ies)		No information available.
Partition coefficient (n-octanol/water)		No information available.
Autoignition temperature		No information available.
Decomposition temperature		No information available.
Kinematic viscosity		No information available.
Dynamic viscosity		No information available.

Other information

Density	< 1000 kg/m ³ @ 25 °C / 77 °F
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Section 10: Stability and Reactivity

Reactivity

Stable.

Chemical stability

Stable under normal conditions.

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Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Heat.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

None under normal processing.

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity

Not hazardous based on component data.

Skin corrosion/irritation

Not hazardous based on component data.

Serious eye damage/eye irritation

Not hazardous based on component data.

Sensitization

Not hazardous based on component data.

Germ cell mutagenicity

Not hazardous based on component data.

Carcinogenicity

Not hazardous based on component data.

Reproductive toxicity

Not hazardous based on component data.

STOT-single exposure

Not hazardous based on component data.

STOT-repeated exposure

Not hazardous based on component data.

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Aspiration hazard

Not hazardous based on component data.

The following values are calculated based on chapter 3.1 of the GHS document.

Oral LD50 5,114.00 mg/kg

Dermal LD50 3,458.00 mg/kg

For zinc naphthenate;

Oral LD50 =4920 mg/kg (Rabbit)

For 2-ethylhexyl zinc dithiophosphate;

Oral LD50 =3100 mg/kg (Rabbit)

Dermal LD50 >5000 mg/kg (Rabbit)

Product Information

Product does not present an acute toxicity hazard based on known or supplied information.

Inhalation

Inhalation of oil mist may cause irritation, headaches, nausea and breathing difficulties.

Eye contact

Not expected to cause eye irritation.

Skin contact

Prolonged contact may cause redness and irritation.

Ingestion

Malaise (vague feeling of discomfort).

Section 12: Ecological Information

Toxicity

Ecotoxicity

Not regarded as dangerous for the environment. Occasional major emissions or frequently recurring minor emissions may have a harmful or disturbing effect.

Chemical name	Algae/aquatic plants	Fish	Toxicity to daphnia and other aquatic invertebrates
2-ethylhexyl zinc dithiophosphate	1.0-5.0: 96 h Pseudokirchneriella subcapitata mg/L EC50	10.0-35.0: 96 h Pimephales promelas mg/L LC50 semi-static 1.0-5.0: 96 h Pimephales promelas	1-1.5: 48 h Daphnia magna mg/L EC50

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		mg/L LC50 static	
Zinc naphthenate		1.53-2: 96 h Lepomis macrochirus ppm LC50	4.6: 48 h Daphnia magna ppm EC50

Persistence and degradability

Not readily biodegradable.

Bioaccumulative potential

Material does not bioaccumulate.

For 2-ethylhexyl zinc dithiophosphate;

Partition coefficient 2,86

Mobility in soil

Mobility in soil

After release, adsorbs onto soil.

Mobility

Insoluble in water.

Results of PBT and vPvB assessment

No information available.

Other adverse effects

No information available.

Section 13: Disposal Considerations

Waste treatment methods

Waste from residues/unused products

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Dispose of in accordance with federal, state and local regulations.

Waste codes / waste designations according to EWC / AVV

13.08.99

Section 14: Transport Information

Not regulated according to ADR/RID, IMDG, IATA.

UN number

Not regulated.

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UN proper shipping name

Not regulated.

Transport hazard class(es)

Not regulated.

Packing group

Not regulated.

Environmental hazards

Not applicable.

Special precautions for user

None.

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

No information available

Section 15: Regulatory Information

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

EU legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Chemical safety assessment

No information available.

SECTION 16: Other information

General information

All ingredients are listed in the European Inventories. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This data sheet is a safety data sheet according to 91/155/EU. For products which are not subject to classification according to EU lists this data sheet is made on a voluntary base.

Key literature references and sources for data

December 13, 2014, No. 29204, "the Ministry of Environment and the Ministry of Urban Development Related to Safety Data Sheets on Hazardous Substances and Mixtures Direction"

Revision comments

Revised classification.



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Revision date	04.01.2016
Revision	4
Supersedes date	13.12.2010
SDS Number	OPET.GBF.2204
Risk phrases in full	R41 Risk of serious damage to eyes R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Hazard statements in full	H318 Causes serious eye damage H411 Toxic to aquatic life with long lasting effects.

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. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information contained in this data sheet. OPET FUCHS MADENI YAG SAN. VE TIC. A.Ş. shall not be responsible for any injury or damage resulting from the abnormal use of the product, recipient assumes all such risks.