

Material Safety Data Sheet

Complying with Regulation 1907/2006/EC (REACH Regulation), 453/2010/EC and Regulation No 1272/2008/EC (CLP)

Elin Diesel SAE 20W-50

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

1.1 Product identifier

Trade name: **Elin Diesel SAE 20W-50**

Registration number:

Substances contained in the mixture have already (pre)-registered by the suppliers.

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

No relevant identified uses the chemical product is exempted from REACH Regulation, 1907/2006/EC.

Application of the substance : **Diesel engine oil** .

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: **ELINOIL S.A. – HELLENIC PETROLEUM COMPANY S.A**
33, PIGON STR. 145 64 KIFISSIA
telephone : 0030 21062 41 650
fax : 0030 210 62 41 659

1.4 Emergency telephone number:

Emergency telephone number: 0030 6984 618 718

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Aquatic Chronic 3; H412

Skin Sens. 1; H317

Classification in accordance with Directive 67/548/EEC or 1999/45/EC

R52/53

2.2 Label elements

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Labelling according to Regulation EC No 1272/2008 CLP



GHS07

Signal word Warning

Hazardous component(s) to be indicated on label: Long chain calcium alkaryl sulfonate

Hazard statements

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

P280 Wear protective gloves/eye protection

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local and national regulations

2.3 Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.1 Substances

Not applicable. The product is not a substance

3.2 Chemical characterisation: Mixtures




















Description: Lubricant

Hazardous Ingredients

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· Επικίνδυνες ουσίες περιεχομένου:		
	Ορυκτέλαιο  Xn R65  Asp. Tox. 1, H304	3-<10%
CAS: 84605-29-8 EINECS: 283-392-8 Reg.nr.: 01-2119493626-26-XXXX	Phosphorodithioic acid, mixed esters , zinc salt  Xi R38-41;  N R51/53  Eye Dam. 1, H318;  Aquatic Chronic 2, H411;  Skin Irrit. 2, H315	1-<2,5%
CAS: 70024-69-0 EINECS: 274-263-7 Reg.nr.: 01-2119492616-28-XXXX	Benzenesulfonic acid, mono-C16-24- alkyl derivs., calcium salts  Xi R43  Skin Sens. 1B, H317	0,3-<1%
CAS: 121158-58-5 Αριθμός EC: 310-154-3 Reg.nr.: 01-2119513207-49-XXXX	Phenol, dodecyl-, branched  T Repr. Cat. 2 R61;  Xn R62;  Xi R36/38;  N R50/53  Repr. 2, H361;  Aquatic Acute 1 H400; Aquatic Chronic 1, H410;  Skin Irrit. 2, H315; Eye Irrit. 2, H319	0,1-<0,25%
CAS: 597-82-0 EINECS: 209-909-9	O,O,O-triphenyl phosphorothioate  T Repr. Cat. 2 R61;  Xn R62, R53  Repr. 2, H361; Aquatic Chronic 4, H413	0,1-<0,3%

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.

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Take affected persons out into the fresh air.

After inhalation: Seek medical treatment in case of complaints.

After skin contact:

Wash the skin immediately with soap and water.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Never give anything by mouth to an unconscious person.

Drink plenty of water and provide fresh air. Call for a doctor immediately. Seek immediate medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray.

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released: Carbon monoxide(CO) , Carbon dioxide (CO₂)

5.3 Advice for firefighters

Protective equipment:

Use of protective clothes and respiratory device is being recommended in case of fire.

Additional information

Collect contaminated fire fighting water separately. It must not enter the sewage system.

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SECTION 6: Accidental release measurement

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non emergency personnel

Keep away from ignition sources. Ensure sufficient ventilation

6.1.2 For emergency responders

Use chemicals resistant gloves.

Use antistatic and slip resistant boots.

6.2 Environmental precautions: No special measures required.

6.3 Methods and material for containment and cleaning up:

Pick up mechanically with a non combustible material such as earth or sand.

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 hot product

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: Store in a cool location.

Information about storage in one common storage facility: Not required

Further information about storage conditions : Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight .

7.3 Specific end use(s): No further relevant information available .

SECTION 8: Exposure Controls / personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace .The product does not contains any relevant quantities of material with critical values that have to monitored at the workplace .

8.2 Exposure controls

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Personal protective equipment : General protective and hygiene measures : The usual precautionary measures are to be adhered to, when handling chemicals .

Respiratory protection : Not required

Protection of hands : Protective gloves

Eye Protection :

In processing and repackaging where is possible the eye-contact, ear safety glasses .

Body protection : Not required under normal conditions of use.

SECTION 9 : Physical and chemical properties

· 9.1 Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Liquid
Colour:	Light-coloured to brown
· Odour:	Characteristic of lubricants
· Odour threshold:	Not determined
· pH value:	Not determined
· Melting point/Melting range:	Not determined
· Boiling point/Boiling range:	Not determined
· Flash point:	238°C typical according ASTM D-92
· Flammability (solid, gaseous):	Not applicable
· Auto-ignition temperature:	Not determined
· Decomposition temperature:	Not determined
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.

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· Explosion limits:	
Lower:	Not determined
Upper:	Not determined
· Vapour pressure:	Not determined
· Density:	0,890 Kg/L (ASTM D-4052) @ 15°C typical
· Relative density	Not determined
· Vapour density	Not determined
· Evaporation rate	Not determined
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined
· Viscosity:	
Dynamic:	Not determined
Kinematic:	19,5 CST typical @ 100°C (ASTM D 445)
· 9.2 Other information	No further relevant information available.

SECTION 10 : Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

Stable at environment temperature.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

Oxidising agents

10.5 Incompatible materials:

No further relevant information available.

10.6 Hazardous decomposition products:

No dangerous decomposition products known.

SECTION 11 : Toxicological information

11.1 Information on toxicological effects

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Acute toxicity:

Primary irritant effect:

on the skin: No irritating effect.

on the eye: No irritating effect.

Sensitisation: No sensitising 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.

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 No further relevant information available.

Additional ecological information:

General notes: Not known to be hazardous to water.

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 consideration

13.1 Waste treatment methods

Recommendation

Dispose according to National Regulation .

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations. Packaging may be reused or recycled after cleaning.

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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.

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

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) VOC: Volatile Organic Compounds (USA, EU)