

SUPER COOLANT ELC

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

1.1 - Product identifier

Trade name/designation SUPER COOLANT ELC

Chemical name

Product-type Mixture

Product code 13500

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

Relevant identified uses

- Antifreeze fluid.
- Special product for automotive industry.

Uses advised against

- The uses are provided in Section 1.2. Other uses are not recommended unless a risk assessment is carried out, prior to commencement of that use, which demonstrates that the is safe.
- Do not use for products which come into direct contact with the skin.
- Food additives
- Do not use for products which come into contact with the food stuffs.
- Do not use for private purposes (household).

1.3 - Details of the supplier of the safety data sheet

PETROL OF S A. .
Ünalan Mahallesi, Libadiye Caddesi No: 82F
Kat: 2-3-4, 34700 Üsküdar/ Istanbul
Turkey
Telephone : +90 850 339 1919 Fax +90 216 275 3854
Website : www.petrolofisi.com.tr - madeniyag@petrolofisi.com.tr

1.4 - Emergency telephone number

- National Poisons Information Service of England: <http://npis.org> -
NHS 111: dial 111 United Kingdom

- Company phone number (see section 1.3).

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Acute Tox. 4 Oral	Acute toxicity (oral) - Category 4
STOT RE 2	STOT-repeated exposure - Category 2

2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Contains: Ethylene glycol | Methyl-1H-benzotriazole | Sodium hydroxide |
9-(2-carboxyphenyl)-3,6-bis(diethylamino)xanthylium chloride

Signal word : Warning

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Hazard pictograms



Hazard statements

H302	Harmful if swallowed.
H373	May cause damage to organs (respiratory tract) through prolonged or repeated exposure (oral).

Precautionary statements

P260	Do not breathe vapours/fume/dust.
P264	Wash hands/face thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P301+P312	IF SWALLOWED: Call a doctor/a POISON CENTER if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P330	Rinse mouth.
P501	Dispose of contents/container in an approved treatment center in accordance with national regulation.

EUH-phrases : None

2.3 - Other hazards

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No.	%	Class(es)	Specific concentration limit
Ethylene glycol	CAS No. : 107-21-1 Index No. : 603-027-00-1 EC No. : 203-473-3	>= 60 - 80	Acute Tox. 4 Oral - H302	Not applicable
Methyl-1H-benzotriazole	CAS No. : 29385-43-1 Index No. : EC No. : 249-596-6	1 - 3	Acute Tox. 4 Oral - H302 Aquatic Chronic 2 - H411 Repr. 2 - H361d	Not applicable
Sodium hydroxide	CAS No. : 1310-73-2 Index No. : 011-002-00-6 EC No. : 215-185-5	0,5 - 1	Skin Corr. 1A - H314	Skin Corr. 1A - H314 : 5<=%<=100 Skin Corr. 1B - H314 : 2<=%<5 Skin Irrit. 2 - H315 : 0,5<=%<2 Eye Irrit. 2 - H319 : 0,5<=%<2
9-(2-carboxyphenyl)-3,6-bis(diethylamino)xanthylium chloride	CAS No. : 81-88-9 EC No. : 201-383-9 REACH No. : 01-2120774536-44-XXXX	1 - 2,5	Acute Tox. 4 Oral - H302 Aquatic Chronic 3 - H412 Eye Dam. 1 - H318	Not applicable

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following skin contact - No information available.

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<u>After eye contact</u>	- Rinse immediately carefully and thoroughly with eye-bath or water.
<u>After ingestion</u>	- Seek medical advice immediately (poison centre). - When in doubt or if symptoms are observed, get medical advice. - If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. - Induce vomiting when the affected person is not unconscious. - Observe risk of aspiration if vomiting occurs.

4.2 - Most important symptoms and effects, both acute and delayed

Symptoms and effects - Following inhalation - No information available.

Symptoms and effects - Following skin contact - No information available.

Symptoms and effects - After eye contact - No information available.

Symptoms and effects - After ingestion - No information available.

4.3 - Indication of any immediate medical attention and special treatment needed

- No information available.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media - ABC-powder
- Water mist
- Carbon dioxide (CO₂)

Unsuitable extinguishing media - Strong water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture - No information available.

Hazardous decomposition products - No information available.

5.3 - Advice for firefighters

- Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel - Wear protective gloves.
- Use gloves only once.

For emergency responders - Remove persons to safety.
- Use appropriate respiratory protection.

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6.2 - Environmental precautions

- No information available.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment - No information available.

Methods and material for cleaning up - Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
- Ventilate affected area.

Inappropriate techniques - No information available.

6.4 - Reference to other sections

- Disposal: See section 13
- Personal protection equipment: see section 8
- Safe handling: See section 7

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation - Put lids on containers immediately after use.
- Do not put any product-impregnated cleaning rags into your trouser pockets.
- Wear personal protective clothing (see section 8).

Advices on general occupational hygiene - Wash contaminated clothing prior to re-use.

- When using do not smoke.
- Separate storage of work clothes.
- Wash hands and face before breaks and after work and take a shower if necessary.

7.2 - Conditions for safe storage, including any incompatibilities

- Restrict general access to the store.
- Keep container tightly closed.

7.3 - Specific end use(s)

- Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

Sodium hydroxide (1310-73-2)

STEL EH40 mg/m ³ (UK)	2 mg/m ³
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- No information available.

DNEL / PNEC

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Ethylene glycol (107-21-1)			
Type	Value	User	Effect
DNEL long-term inhalative	35 mg/m ³	Workers	Local
DNEL long-term inhalative	7 mg/m ³	Consumers	Local
DNEL long-term dermal	106 mg/kg bw/day	Workers	Systemic
DNEL long-term dermal	53 mg/kg bw/day	Consumers	Systemic
Methyl-1H-benzotriazole (29385-43-1)			
Type	Value	User	Effect
DNEL long-term oral (repeated)	0,01 mg/kg bw/day	Consumers	Systemic
DNEL long-term inhalative	21,2 mg/m ³	Workers	Systemic
DNEL long-term inhalative	0,35 mg/m ³	Consumers	Systemic
DNEL long-term dermal	0,3 mg/kg bw/day	Workers	Systemic
DNEL long-term dermal	0,01 mg/kg bw/day	Consumers	Systemic
PNEC aquatic, freshwater	0,008 mg/l		
PNEC aquatic, marine water	0,02 mg/l		
PNEC aquatic, intermittent release	0,086 mg/l		
PNEC sediment, freshwater	0,117 mg/kg		
PNEC sediment, marine water	0,292 mg/kg		
PNEC soil	0,0187 mg/kg		
PNEC sewage treatment plant (STP)	39,4 mg/l		
Sodium hydroxide (1310-73-2)			
Type	Value	User	Effect
DNEL long-term inhalative	1 mg/m ³	Workers	Local
DNEL long-term inhalative	1 mg/m ³	Consumers	Local

8.2 - Exposure controls

Appropriate engineering controls - No information available.

Individual protection measures, such as personal protective equipment

- Lab coat.
- Spectacles with side protection.
- Dust protection safety glasses.
- Wear protective gloves.



Environmental exposure controls - No information available.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

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<u>Physical state</u>	Liquid	<u>Appearance</u>	Liquid
<u>Colour</u>	pink	<u>Odour</u>	characteristic
Odour threshold	No information available.		
pH	8,73 in 33% aqueous solution		
Melting point	No information available.		
Freezing point	-20 °C in 33% aqueous solution		
Boiling point	No information available.		
Flash point	Not relevant.		
Evaporation rate	No information available.		
flammability	Not relevant.		
Lower explosion limit	No information available.		
Upper explosion limit	No information available.		
Vapour pressure	No information available.		
Vapour density	No information available.		
Relative density	No information available.		
Density	1,11 g/ml @20°C		
Solubility (Water)	Soluble		
Solubility (Ethanol)	Soluble		
Solubility (Acetone)	No information available.		
Solubility (Organic solvents)	No information available.		
Log KOC	No information available.		
Auto-ignition temperature	No information available.		
Decomposition temperature	No information available.		
Kinematic viscosity	No information available.		
Dynamic viscosity	No information available.		

Particle characteristics

Particle size	No data available
Dustiness	No data available
Specific surface area	No data available
Shape	No data available

9.2 - Other information

VOC content	Undetermined
Minimum ignition energy	No data available
Conductivity	No data available
Refractive index	No data available
Solids content	No data available
Surface tension	No data available
Saturation concentration	No data available

- No information available.

SECTION 10: Stability and reactivity

10.1 - Reactivity

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- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- Stable under recommended storage and handling conditions.

10.5 - Incompatible materials

- No information available.

10.6 - Hazardous decomposition products

- No information available.

SECTION 11: Toxicological information

11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Acute toxicity (oral) - Category 4 - Harmful if swallowed.

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation gas (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

- Harmful if swallowed.

Toxicity : Substances

Ethylene glycol (107-21-1)	
LD50 oral (rat)	500 mg/kg ATE
Methyl-1H-benzotriazole (29385-43-1)	
LD50 oral (rat)	720 mg/kg (OECD Guideline 401, Acute Oral Toxicity)
Sodium hydroxide (1310-73-2)	
LD50 oral (rat)	325 mg/kg

Skin corrosion/irritation - Not classified

- No information available.

Serious eye damage/eye irritation - Not classified

- No information available.

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<u>Respiratory or skin sensitisation</u>	- Not classified
	- No information available.
<u>Germ cell mutagenicity</u>	- Not classified
	- No information available.
<u>Carcinogenicity</u>	- Not classified
	- No information available.
<u>Reproductive toxicity</u>	- Not classified
	- No information available.
<u>STOT-single exposure</u>	- Not classified
	- No information available.
<u>STOT-repeated exposure</u>	- STOT-repeated exposure - Category 2 - May cause damage to organs (respiratory tract) through prolonged or repeated exposure (oral).
	- No information available.
<u>Aspiration hazard</u>	- Not classified
	- No information available.

11.2 - Information on other hazards

- No information available.

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
EL50 48 hr crustacea	No data available
LL50 96 hr fish	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

- No information available.

Toxicity : Substances

Ethylene glycol (107-21-1)	
LC50 96 hr fish	53000 mg/l Pimephales promelas (fathead minnow)

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NOEC chronic crustacea	8590 mg/l Daphnia magna (Big water flea)
Methyl-1H-benzotriazole (29385-43-1)	
EC50 48 hr crustacea	8,58 mg/l Daphnia magna (Big water flea)
LC50 96 hr fish	55 mg/l Danio rerio (zebra-fish)
ErC50 algae	53 mg/l Green algae
NOEC chronic crustacea	0,4 mg/l Daphnia magna (Big water flea)
NOEC chronic algae	1,18 mg/l Green algae
Sodium hydroxide (1310-73-2)	
LC50 96 hr fish	35 mg/l < V < 189 mg/l

12.2 - Persistence and degradability

Mixture

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

Substances

Ethylene glycol (107-21-1)	
% of biodegradation in 28 days	83 % < V < 96 % Readily biodegradable (according to OECD criteria). OECD 301C

12.3 - Bioaccumulative potential

Mixture

Bioconcentration factor (BCF)	No data available
Log KOC	No information available.

- No information available.

Substances

Ethylene glycol (107-21-1)	
Log KOC	-1,36 No bioaccumulation potential.
Methyl-1H-benzotriazole (29385-43-1)	
Bioconcentration factor (BCF)	2,4 L/kg Does not significantly accumulate in organisms.

12.4 - Mobility in soil

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- No information available.

12.5 - Results of PBT and vPvB assessment

12.6 - Endocrine disrupting properties

- No information available.

12.7 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods - No information available.

Sewage disposal - No information available.

Special precautions for waste treatment

- Send to a hazardous waste incinerator facility under observation of official regulations.
- Waste for recycling is to be classified and labelled.
- Waste requires special monitoring.
- Packing which cannot be properly cleaned must be disposed of.

Community or national or regional provisions - Dispose of waste according to applicable legislation.

SECTION 14: Transport information

14.1 - UN number or ID number

Not applicable

14.2 - UN proper shipping name

Not applicable

14.3 - Transport hazard class(es)

Not applicable

14.4 - Packing group

Not applicable

14.5 - Environmental hazards

Not applicable

14.6 - Special precautions for user

Not applicable

14.7 - Maritime transport in bulk according to IMO instruments

Not applicable

- Not applicable.

SECTION 15: Regulatory information

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

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Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content No data available

15.2 - Chemical Safety Assessment

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
1	11/06/2026		

Certificate holder Alize Pinar- Chemical Assessment Specialist (Certificate No: TÜV/11.323.01 04.05.2031 - Certificate valid for 5 years)

Abbreviations and acronyms

- ADR: The Agreement concerning the International Carriage of Dangerous Goods by Road
- ATE: Acute Toxicity Estimate.
- LC50: Lethal Concentration to 50 % of a test animals.
- LOEC: Lowest Observed Effect Concentration.
- LD50: Lethal Dose to 50% of a test animals.
- LOEL: Lowest Observed Adverse Effect Level.
- DNEL: Derived no-effect level.
- EC50: Effective concentration of the substance that causes adverse effects in 50% of test animals.
- IATA: International Air Transport Association.
- IMDG: International Maritime Dangerous Goods.
- EC No: European Community number
- NOEC: No Observed Effect Concentration.
- NOEL: No observable effect level.
- CAS No.: Chemical Abstracts Service number.
- ICAO: International Civil Aviation Organization
- PBT: Persistent, Bioaccumulative and Toxic.
- PNEC: Predicted no-effect concentration.
- RID: International Carriage of Dangerous Goods by Rail.
- STEL: Short-term exposure limit
- TWA: Time weighted average
- OEL: Occupational exposure limit.
- vPvB: very Persistent and very Bioaccumulative.

Texts of the regulatory sentences

Acute Tox. 4 Oral	Acute toxicity (oral) - Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment - Aquatic Chronic 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
Eye Dam. 1	Serious eye damage, Category 1
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.

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H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs (respiratory tract) through prolonged or repeated exposure (oral).
H411	Toxic to aquatic life with long lasting effects.
Repr. 2	Reproductive toxicity - Category 2 (H361d)
Skin Corr. 1A	Skin corrosion, Category 1A
STOT RE 2	STOT-repeated exposure - Category 2

The information provided in this Safety Data Sheet (SDS) is current on the date the SDS was prepared or revised. Implementation of measures that are provided on SDS is under downstream user companies' responsibility. Downstream users may change the measures in the SDS according to the conditions in their own business.

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