



SAFETY DATA SHEET

SÜPER ANTİFRİZ

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

Date of First Publication : 21.12.2003
Revision Date : 15.10.2020
Revision Number : 09
SDS Number : KG-F-191

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SECTION 1 : IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier	SÜPER ANTİFRİZ
1.2 Relevant identified uses of the substance or mixture and uses advised against	Identified uses: Antifreeze
1.3 Details of the supplier of the safety data sheet	GÜZEL ENERJİ AKARYAKIT A.Ş. 10013 Sokak No: 6 A.O.S.B. Çiğli / İZMİR Tel: 0 232 328 10 36 Faks: 0 232 328 20 82 e-mail : moilaboratuvar@oyakpetrol.com.tr
1.4 Emergency telephone number	Güzel Enerji Akaryakıt A.Ş. : 0 232 328 10 36 UZEM (National Poison Consultancy Center): 114

SECTION 2 : HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Acute Tox: Category 4.
H302: Harmful if swallowed

Specific Target Organ Toxicity – Repeated, Category 2
H373: May cause damage to organs through prolonged or repeated exposure

2.2 Label elements

Label elements according to Regulation (EC) No 1272/2008

Pictograms:



Signal Words : Warning



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Hazard Statements:

H302: Harmful if swallowed
H373: May cause damage to organs through prolonged or repeated exposure

Precautionary Statements:

P260: Do not breathe dust/fumes/gas/mist/vapours/spray.
P281: Use personal protective equipment
P270: Do not eat, drink or smoke when using this product.
P264: Wash ... thoroughly after handling.
P102: Keep out of reach of children.
P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor/.../if you feel unwell.
P501: Dispose of contents and container in accordance with local regulations.

2.3 Other hazards

Physical / Chemical Hazards : No significant hazards.

Health Hazards : Harmful if swallowed. May cause damage to organs through prolonged or repeated exposure.

Environmental Hazards : No significant hazards

SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Not Applicable

3.2 Mixtures

Ethylene glycol, anti-corrosion additives

Chemical Composition	CAS No	EC No	Concentration	Classification
Ethylene glycol	107-21-1	203-473-3	% 90 - 95	Akut Tox. 4; H 302 STOT RE. 2; H373
Tolyltriazole	29385-43-1	249-596-6	< 1%	Oral Acute Tox. 4; H302
Sodium hydroxide	1310-73-2	215-185-5	< 1%	Skin Corr. 1A H314

Additional information:

The Full Text for all Hazard Statements are Displayed in Section 16



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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

EYE CONTACT : Wash thoroughly with plenty of water. Remove any contact lenses. Obtain medical advice if any pain or redness develops or persists.

SKIN CONTACT : Wash skin thoroughly with soap and plenty water. Remove heavily contaminated clothing and wash underlying skin.

INHALATION: If inhalation of mists, fumes or vapour causes irritation to the nose or throat, or coughing, remove to fresh air. If symptoms persist, obtain medical advice.

INGESTION: If contamination the mouth occurs, wash out thoroughly with water. If ingestion occurs large amounts, do not induce vomiting; obtain medical advice of.

4.2 Most important symptoms and effects, both acute and delayed

Ingestion may result in nausea, vomiting and/or diarrhoea

4.3 Indication of any immediate medical attention and special treatment needed

Notes to doctor/physician: Treat symptomatically

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, water spray, CO₂

Unsuitable extinguishing media : Do not interfere with water to fire. Throwing strong water may spread fire.

5.2 Special hazards arising from the substance or mixture

Combustion occurs as a result of toxic gases. With high temperatures may burn.

5.3 Advice for firefighters

Closed areas, by trained personnel using fire protective clothing and oxygen mask deflated.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Safety glasses, work clothes, boots, gloves and boots should be used. Provide adequate ventilation



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6.2 Environmental precautions

Avoid release to the environment. Avoid discharge into drains, water courses or onto the ground.

Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

Scrape up bulk of solid material and remove liquid with sand or other suitable inert absorbent material. Spilled product should be isolated from sources of ignition, good ventilation should be provided. Recovery of large spillages should be done by specialist personnel.

6.4 Reference to other sections

For guidance on selection of personal protective equipment see Chapter 8 of this Safety Data Sheet.
For guidance on disposal of spilled material see Chapter 13 of this Safety Data Sheet.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Good ventilation should be provided in the environment and should be avoided during use of the inhalation. Skin contact should be avoided and hygienic rules should be applied. Avoid eating, drinking and smoking while using. Wash hands thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Be exposed to direct sun rays, should not be stored near heat sources.

7.3 Specific end use(s)

Not applicable

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Exposure Limit Values:

Ethylene glycol

Be absorbed deeply

TWA: 52 mg/m ³	8 hour
TWA: 20 ppm	8 hour
STEL: 104 mg/m ³	15 minute
STEL: 40 ppm	15 minute



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8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide adequate ventilation in the work area. Avoid inhalation of vapours.

8.2.2 Individual protection measures, such as personal protective equipment

Eye protection

If contact is likely safety glasses with side shields are recommended.

Skin protection

Protective clothing should be used.

Hand protection

Chemical-resistant gloves (nitrile or neoprene) should be used.

Respiratory protection

If operations are such that exposure to vapour mist or fume may be anticipated then suitable approved respiratory equipment should be worn.

8.2.3 Environmental exposure controls

Take appropriate measures to fulfill the requirements of relevant environmental protection legislation. Do not allow the material to interfere with water pipes, lacrimation and soil.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	: Clear, Liquid
Colour	: Green
Odour	: Characteristic
Odour Threshold	: Data not available
pH	: pH (dilute solution) 7,5 - 11
Melting Point	: Not applicable
Freezing Point %100	: -18 °C
Freezing Point %50	: -37 °C



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Initial boiling point and boiling range : 163 °C

Flash Point °C : 110 °C (Method: ASTM D92, Cleveland open cup).)

Evaporation Rate : Data not available

Flammability (solid, gas) : Data not available

Upper / Lower Flammability Limits: Data not available

Vapour Pressure : Data not available

Vapour Density : Data not available

Relative Density, 15°C : 1,12 g/ml

Solubility in Water : Completely

Partition Coefficient : Data not available

Auto-ignition Temperature : Data not available

Decomposition Temperature : Data not available

Viscosity : Data not available

Explosive properties : Data not available

Oxidizing properties : Data not available

9.2 Other information

Data not available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

See-sub-sections below

10.2 Chemical stability

Stabile

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, no hazardous reactions will occur.

10.4 Conditions to avoid

Do not expose to high temperatures or direct sunlight.



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10.5 Incompatible materials

Avoid contact with strong oxidizing agents.

10.6 Hazardous decomposition products

Thermal decomposition products will vary with conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Eyes : If contact with eyes, stinging or redness occurs.

Skin : Irritating to skin contact.

Ingestion : Harmful if swallowed

Inhalation : May cause irritation to eyes, nose and throat at high vapour concentrations.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

It is thought to be harmful to aquatic organisms. Spills on the surface of water forming a film layer prevents oxygen transfer.

12.2 Persistence and degradability

Expected to be inherently biodegradable.

12.3 Bioaccumulative potential

Data not available.

12.4 Mobility in soil

Spilled product can cause pollution of groundwater.

12.5 Results of PBT and vPvB assessment

This product is not, or does not contain, a substance that is a PBT or a vPvB.

12.6 Other adverse effects

No data available.



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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of by incineration or other suitable means under conditions approved by the local authority or via licensed waste disposal contractor.

Waste no time to be spilled to the environment and waterways.

Dispose of packaging or containers in accordance with local regional national and international regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

Not classified as hazardous for transport (ADR/RID, ADNR, IMDG, ICAO/IATA)

14.2 UN proper shipping name

Not classified as hazardous for transport (ADR/RID, ADNR, IMDG, ICAO/IATA)

14.3 Transport hazard class(es)

Not classified as hazardous for transport (ADR/RID, ADNR, IMDG, ICAO/IATA)

14.4 Packing group

Not classified as hazardous for transport (ADR/RID, ADNR, IMDG, ICAO/IATA)

14.5 Environmental hazards

Not classified as hazardous for transport (ADR/RID, ADNR, IMDG, ICAO/IATA)

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: REGULATORY INFORMATION

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

Applicable EU Directives and Regulations:

Regulation (EC) No 1907/2006 - REACH

Regulation No 1272/2008 – CLP (Regulation on classification, labelling and packaging)

Commission Regulation (EU) 2015/830

ECHA Guidance on the compilation of safety data sheets



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SECTION 16: OTHER INFORMATION

Abbreviations and acronyms

ADR : International Carriage of Dangerous Goods by Road
ADNR : Carriage of Dangerous Goods by Inland Waterways
RID : Regulations Relating to International Carriage of Dangerous Goods by Rail
IMDG : International Maritime Dangerous Goods
ICAO-TI : International Civil Aviation Organization - Technical Instructions for the Safe Transport of Dangerous Goods by Air
IATA : International Air Transport Association
ACGIH : American Conference of Governmental Industrial Hygienists
ASTM : American Society for Testing and Materials
CAS : Chemical Abstracts Service
GHS : Globally Harmonised System of Classification and Labelling of Chemicals
OEL : Occupational Exposure Limit
TWA : Time-Weighted Average.
STEL : Short term exposure limit
PBT : Persistent, Bioaccumulative and Toxic
vPvB : very Persistent and very Bioaccumulative
MARPOL 73/78 : International Convention for the Prevention of Pollution From Ships

Wording of the H-statements in section 2 and 3:

H302 : Harmful if swallowed
H373 : May cause damage to organs through prolonged or repeated exposure
H314 : Causes severe skin burns and eye damage

Full text of other abbreviations

Acute Tox. : Acute Toxicity
STOT RE : Specific Target Organ Toxicity – Repeated exposure
Oral Acute : Oral Acute
Skin Corr. : Skin Corrosion

Revision Comments

Company title change

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Warning

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Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and/or situations.

It is the user's obligation to evaluate and use this product safety and to comply with all applicable laws and regulations.

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