



SAFETY DATA SHEET

OTO CAM SUYU (KIŞLIK) (-21°C)

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

Date of First Publication : 20.12.2021
Revision Date : -
Revision Number : 00
SDS Number : KG-F-330

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

1.1 Product identifier	OTO CAM SUYU (KIŞLIK) (-21 °C)
1.2 Relevant identified uses of the substance or mixture and uses advised against	Identified uses: Antifreeze liquid.
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 : moillaboratuvar@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

Flam. Liq. 3, H226

Serious eye damage / irritation – Category 2 , H319

2.2 Label elements

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

Pictograms:



Signal Words : Warning



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Hazard Statements:

H226: Flammable liquid and vapour
H319 : Causes serious eye irritation.

Precautionary Statements:

P210 : Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 : Keep container tightly closed.
P240 : Ground/bond container and receiving equipment.
P241 : Use explosion-proof electrical/ventilating/lighting/equipment.
P242 : Use only non-sparking tools.
P243 : Take precautionary measures against static discharge.
P264 : Wash thoroughly after handling
P280 : Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 : IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338 : IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313 : Get medical advice/attention.
P370+P378 : In case of fire: Use water spray, alcohol installation, dry chemical to extinguish.
P403+P235 : Store in a well ventilated place. Keep cool.
P501 : Dispose of contents and container in accordance with local regulations.

2.3 Other hazards

Physical / Chemical Hazards : Contaminated surfaces will be very slippery.

Environmental Hazards : Should not be released into the environment.

SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Not Applicable

3.2 Mixtures

Chemical Composition	CAS No	EC No	Concentration	Classification
Metanol	67-56-1	200-659-6	% 20 - 25	Flam. Liq. 2 - H225 STOT SE 1- H370 Akut Tox. 3 - H311 Akut Tox. 3 - H301 Akut Tox. 3 - H331

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 : Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes.

SKIN CONTACT : It is important to remove the substance from the skin immediately. Take off immediately all contaminated clothing. Remove contamination with soap and water or recognised skin cleansing agent. Get medical attention.

INHALATION: Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Place unconscious person on their side in the recovery position and ensure breathing can take place.

INGESTION: Do not induce vomiting unless specifically requested by medical professionals.
Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to the doctor: Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: The product is easily flammable. Fire hazard exists when exposed to heat or flame and/or oxidizers. In case of fire, use foam, dry chemical or carbon dioxide extinguisher or spray.

Unsuitable extinguishing media : Do not use water jet

5.2 Special hazards arising from the substance or mixture

CO, CO₂ and NO_x gases at high temperature if the product is exposed to fire.
Thermal decomposition or combustion products may include the following substances: Very toxic or corrosive gases or vapours. Hydrocarbons. Carbon monoxide (CO). Carbon dioxide (CO₂). Alcohols.



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5.3 Advice for firefighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. Firefighters' clothing (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection to avoid chemical incidents.

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.

6.2 Environmental precautions

Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.

6.3 Methods and material for containment and cleaning up

Keep flammable materials away from spills. Absorb with vermiculite, dry sand or soil and place in containers. Flush contaminated area with copious amounts of water. Cleanse yourself thoroughly after dealing with a spill.

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

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, well ventilated area. Keep container tightly closed.

7.3 Specific end use(s)

Not applicable

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Avoid breathing.



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8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide adequate ventilation in the work area.

8.2.2 Individual protection measures, such as personal protective equipment

Eye 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.

Skin protection

Wear appropriate clothing to prevent any possibility of skin contact. Wear chemical protective suit.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

8.2.3 Environmental exposure controls

Take appropriate measures to fulfill the requirements of relevant environmental protection legislation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance : Clear, Liquid

Colour : Blue / Green

Odour : Characteristic odour

Odour Threshold : Data not available

pH (dilute solution) : 6,5 – 8,5

Melting Point : Data not available

Freezing Point : -21 °C

Initial boiling point and boiling range : Data not available



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Flash Point `C : 38 `C

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

Density, 15`C : 0.96 g/ml

Solubility in Water : Soluble in water.

Partition Coefficient : Data not available

Auto-ignition Temperature : Data not available

Decomposition Temperature : Data not available

Viscosity : Data not available

Explosive properties : Not considered to be explosive.

Oxidizing properties : Data not available

9.2 Other information

Data not available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

There are no known reactivity hazards associated with this product.

10.2 Chemical stability

There is no specific state.

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

Avoid heat, flame and other sources of ignition.

10.5 Incompatible materials



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10.6 Hazardous decomposition products

It emits toxic fumes during combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Eyes : Potential risk of transient stinging or redness if accidental eye contact

Skin : It can cause dryness and cracks on the skin.

Ingestion : Gastrointestinal symptoms

Inhalation : Gas or vapor in high concentrations may irritate the respiratory system. coughing may be seen.

SECTION 12: ECOLOGICAL INFORMATION

Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

12.1 Toxicity

Based on available data the classification criteria are not met.

12.2 Persistence and degradability

The degradability of the product is not known.

12.3 Bioaccumulative potential

No data available on bioaccumulation.

12.4 Mobility in soil

The product is soluble in water

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 known significant effects or critical hazards.



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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste should be treated as controlled waste. Dispose of waste at a licensed waste disposal facility in accordance with the requirements of local Waste Disposal Authorities. The packaging must be empty (so as not to drip residue when turned upside down). Do not puncture or burn containers, even when empty.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

UN No. (ADR/RID) : 1993

UN No. (IMDG) : 1993

14.2 UN proper shipping name

Proper shipping name (ADR/RID) METHANOL

Proper shipping name (IMDG) METHANOL

14.3 Transport hazard class(es)

ADR/RID class 3

IMDG class 3

14.4 Packing group

ADR/RID packing group : III

IMDG packing group : III

14.5 Environmental hazards

No.

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)



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Commission Regulation (EU) 2015/830
ECHA Guidance on the compilation of safety data sheets

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:

H226 : Flammable liquid and vapour.
H319 : Causes serious eye irritation.

Full text of other abbreviations

Flam. Liq. : Flammable Liquid
STOT SE : Specific Target Organ Toxicity – Single exposure
Acute Tox. : Acute Toxicity

Revision Comments

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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.

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