

**WINDSHIELD WASHER FLUID SAFETY DATA SHEET**

**1. IDENTIFICATION of THE MATERIAL and SUPPLIER**

**1.1 Product identifier**

**Product name:** Windshield washer fluid

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

Antifreeze Liquid

**1.3 Details of the supplier**

**Company Name:** AMC Mühendislik ve Otomotiv San. Tic. Ltd. Şti.

**Address:** Karadenizliler Mah. Fakülte Cad. Kahraman Sok No:13 Başiskele/  
KOCAELİ

**1.4 Emergency telephone number**

**Emergency First Ait Center:** 112

**National Poison Counseling Center (UZEM):** 114

**2. HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

Flammable liquids - Category 3 - (H226)

Serious eye damage / irritation - Category 2 - (H319)

**Signal Word**

Warning

**Hazard Statements**

H226- Flammable liquid and vapor

H319- It causes severe eye irritation

**Precautionary Statements**

P210- Keep away from heat, sparks, open flames, hot surfaces. - No smoking.

P370+P378- - In case of fire: Use carbon dioxide (CO2), powder, alcohol-resistant foam to extinguish

**2.2 Label Elements**



**Physico-chemical properties:** Contaminated surfaces will be very slippery.

**Environmental characteristics:** Should not be released into the environment.

**3 COMPOSITION AND INGREDIENT INFORMATION**

Windshield washer fluid	Substance or Compound	Substance EINECS No CAS-No	Substance Content (%)	Classification
-10 Windshield washer fluid	Methanol	200-659-6 67-56-1	10-15	Flam. Liq. 2;H225 Acute Tox. 3( Inhalation) ;H331 Acute Tox. 3 ( Dermal); H311 Acute Tox. 3(Oral); H301 BHOT Tek Mrz. 1; H370
-15 Windshield washer fluid			15-20	
-20 Windshield washer fluid			20-25	
-21 Windshield washer fluid			20-25	
-25 Windshield washer fluid			25-30	
-30 Windshield washer fluid			30-35	
-70 Windshield washer fluid			65-70	

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**4. FIRST-AID MEASURES**

**4.1 Description of First Aid Measures**

**4.1.1 General**

Get help if discomfort persists.

**4.1.2 Inhalation**

Remove to fresh air.  
Rest in an easy position to breathe  
If breathing has stopped, administer artificial respiration.



**4.1.3 Skin Contact**

Wash with plenty of pressurized running water  
Clean shoes thoroughly before reuse.  
Clean clothes thoroughly before reuse..



**4.1.4 Eye Contact**

Immediately flush eyes with clean running water.  
The eyelids should be kept open and the lower and upper lids lifted occasionally to ensure that all parts of the eye are thoroughly washed.  
If pain persists or recurs, seek medical attention.



**4.1.5 Ingestion**

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



**4.2 Most important symptoms/effects, acute and delayed**

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

**4.3 Indication of immediate medical attention and special treatment needed, if necessary**

Notes to the doctor: Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**5.1 General Information**

The product is easily flammable. Fire hazard exists when exposed to heat or flame and/or oxidizers.

**5.2 Fire Extinguishers**

Suitable extinguishing media: In case of fire, use foam, dry chemical or carbon dioxide extinguisher or spray.  
Unsuitable extinguishing media: Do not use water jet

**5.3 Special Hazards Arising From The Substance or Mixture**

CO, CO2 and NOx gases at high temperature if the product is exposed to fire.

**5.4 Advice for Fire Fighters**

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.

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**6. ACCIDENTAL RELEASE MEASURES**

**6.1 Personal Precautions, Protective Equipment And Emergency Procedures**

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**6.1.1 For Non-Emergency Personnel**

No action shall be taken involving any personal risk or without suitable training.  
 Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering.  
 Do not touch or walk through spilt material. Put on appropriate personal protective equipment.  
 Floors may be slippery; use care to avoid falling.

**6.2 Environmental Precautions**

Spills occurring in watercourses or uncontrolled currents should be reported immediately to the relevant Environmental Authority or other appropriate regulatory body.  
 Collect waste and seal tightly by placing in appropriate waste disposal containers.  
 Label containers containing waste and contaminated materials and remove them from the area as soon as possible.

**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 Other Information**

**6.5 Reference to Other Sections**

See Section 1 for emergency contact information.  
 See Section 5 for fire fighting measures,  
 See Section 8 for information on appropriate personal protective equipment.  
 See Section 12 for environmental precautions.  
 See Section 13 for additional information on waste treatment.

**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)**

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**8. EXPOSURE CONTROLS and PERSONAL PROTECTION**

**8.1 Control parameters**

Avoid breathing.

**8.2 Exposure controls**

Provide adequate ventilation

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

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

**Eye/face 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.

**Other skin and body protection:** Wear appropriate clothing to prevent any possibility of skin contact. Wear chemical protective suit.

**Environmental exposure controls:** Articles 6 and 7 are taken into account.

**9. PHYSICAL and CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

<b>Appearance:</b>	Liquid						
<b>Colour:</b>	Blue/Green						
<b>Odour:</b>	Characteristic odour						
<b>pH (dilute solution):</b>	6,5-8,5						
<b>Solubility:</b>	Soluble in water						
<b>Flash Point (°C):</b>	38°C @-21						
<b>Freezing Point(°C):</b>	-10	-15	-20	-21	-25	-30	-70
<b>Relative Density (g/ml):</b>	0,97	0,97	0,97	0,96	0,94	0,94	0,89

**9.2 Other Information**

**10. STABILITY and REACTIVITY**

**10.1 Reactivity**

**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**

**10.6. Hazardous Decomposition Product**

It emits toxic fumes during combustion.

**11. TOXICOLOGICAL INFORMATION**

**Information on Toxic Effects**

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

**Ingestion:** Gastrointestinal symptoms

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

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

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**12. ECOLOGICAL INFORMATION**

**12.1 Toxicity**

**12.2 Persistence and degradability**

**12.3 Bioaccumulative potential**

**12.4 Mobility in soil**

The product is soluble in water

**12.5 Results of PBT and vPvB assessment**

**12.6 Other adverse effects**

No known significant effects or critical hazards.

**13. DISPOSAL CONSIDERATIONS**

**13.1. Waste Processing 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.

**14. TRANSPORT INFORMATION**

**14.1. UN Number**

UN No. (ADR/RID) 1993

UN No. (IMDG) 1993

**14.3. Transport Hazard Class(es)**

ADR/RID class 3

IMDG class 3

**14.2. UN Proper Shipping Name**

Proper Shipping Name (ADR/RID) METHANOL

Proper Shipping Name (IMDG) METHANOL

**14.4. Packing Group**

ADR/RID classification group III

IMDG classification group III

**14.5. Environmental Hazards**

**15. REGULATORY INFORMATION**

**15.1. Safety, Health And Environmental Legislation Specific For The Substance Or Mixture**

Regulation on Safety Data Sheets Regarding Harmful Substances and Mixtures

Regulation on Classification, Labeling and Packaging of Substances and Mixtures

**16. OTHER INFORMATION**

- The information provided in this Safety Data Sheet has been prepared based on the best experience, knowledge and beliefs available at the time of preparation.
- The information provided is intended as a guide for safe handling, use, processing, storage, transportation, disposal and disposal.
- Unless specified in the document, this information is valid only for the specified substance and may not be valid if this substance is used with other substances or used in any other process.
- Observe the information in the Safety Data Sheet for use.

Issued by ERDAL ÇINARCI / Certified SDS Preparer Certificate No GFB-144

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