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# 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 eve 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

#### 2.3 Other Hazards

**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	d Methanol	200-659-6 67-56-1	10-15	
-15 Windshield washer fluid			15-20	51 1: 211225
-20 Windshield washer fluid			20-25	Flam. Liq. 2;H225 Acute Tox. 3( Inhalation) ;H331
-21 Windshield washer fluid			20-25	Acute Tox. 3 ( Dermal); H311
-25 Windshield washer fluid			25-30	Acute Tox. 3(Oral); H301 BHOT Tek Mrz. 1; H370
-30 Windshield washer fluid			30-35	DITOT TER IVITZ. 1, 11370
-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

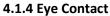
If breathing has stopped, administer artificial respiration.



Wash with plenty of pressurized running water

Clean shoes thoroughly before reuse.

Clean clothes thoroughly before reuse..



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.



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.

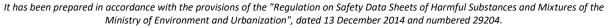
Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. Firefighters' clothing (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection to avoid chemical incidents.

























### 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

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

## 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.

14.4. Packing Group

14.3. Transport Hazard Class(es)

#### 14. TRANSPORT INFORMATION

# 14.1. UN Number

UN No. (ADR/RID) 1993 ADR/RID class 3 UN No. (IMDG) 1993 IMDG class 3

# 14.2. UN Proper Shipping Name

Proper Shipping Name (ADR/RID) METHANOL ADR/RID classification group III
Proper Shipping Name (IMDG) METHANOL 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.

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