



APEX CONCENTRATE ANTIFREEZE

SAFETY DATA SHEET

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1: Identification Of The Substance/Preparation And Of The Company/Undertaking

1.1. Identification of the substance/preparation

Product Name: APEX CONCENTRATE ANTIFREEZE

1.2. Use of the Substance/Preparation

Expressed in writing Antifreeze Liquid

1.3. Company/Undertaking Identification

Supplier Reksoil Petrokimya San. Ve Tic. A.Ş
Address Aydınlı Mh. Birlik Organize San. Böl. Doğu Cad. No: 19-21 34953 Tuzla/İSTANBUL/ TÜRKİYE
Telephone +90216 593 35 70
Telefax +90216 593 35 78
Email info@aktasgroup.com.tr

1.4. Emergency telephone number

Poison Information Centre (UZEM):114

2: Hazards Identification

2.1. Classification of the substance or mixture

Fire And Explosion Hazard: Product is not classified hazardous.
Health Hazard: Product is not classified hazardous.
Environmental Hazard: Product is not classified hazardous.

2.2. Label elements

LABEL IN ACCORDANCE WITH (EC) NO. 1272/2008





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STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure

Acute Tox. 4 H302 Harmful if swallowed.

Signal Word: WARNING

PRECAUTIONARY STATEMENTS

- P264 Wash hands thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P301+312 IF SWALLOWED: Call a POISON CENTER/doctor/114/if you feel unwell.
- P330 Rinse mouth.
- P501 Dispose of contents/container to in accordance with international regulation.

2.3. Other hazards

PBT: Not applicable

vPvB: Not applicable

3: Composition/Information On Ingredients

3.1. Substances

Chemical name	Cas No	EC No	Concentration(%)	Classification
Ethane-1,2-diol	107-21-1	203-473-3	90-100	Acute Tox. 4,H302 STOT RE 2 H373

4: First Aid Measures

4.1. Description of first aid measures

- Eye contact** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately
- Skin contact** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately.



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Ingestion	Do not induce vomiting. Rinse mouth with water. Consult a physician.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

4.2. Most Important Symptoms And Effects, Both Acute And Delayed

Not determined.

4.3. Indication Of Any Immediate Medical Attention And Special Treatment Needed

Notes to physician Not applicable.

5: Firefighting Measures

5.1. Extinguishing Media

Suitable extinguishing media Extinguish with foam, carbon dioxide or dry powder.

5.2. Special Hazards Arising From The Substance Or Mixture

NOTE! Use air-supplied respirators to protect against gases\fumes. Use water SPRAY only to cool containers! Do not put water on leaked material.

5.3. Advice For Firefighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment And Emergency Procedures

Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (section 8). Follow all fire-fighting procedures (section 5).

6.2. Environmental Precautions



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Try to restrict the release and prevent spread of the product into the environment. Collect liquid before it spreads into drains, the ground and waters.

6.3. Methods And Materials For Containment And Cleaning Up

Immediately start clean-up of the liquid and contaminated soil. Small amounts can be collected using absorbent material. Product waste should be disposed in accordance with item 13. In case of spill, immediately contact local authorities.

7: Handling And Storage

7.1. Precautions For Safe Handling

Provide sufficient ventilation when handling the product. Wear protective equipment when needed. Wear safety shoes while handling containers.

7.2. Conditions For Safe Storage, including Any Incompatibilities

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

7.3. Specific End Use(s)

Refer to section 1.2. or the extended SDS if applicable.

8: Exposure Controls/Personal Protection

8.1. Threshold Limits

Not available.

8.2. Exposure Controls

8.2.1 Personal Protective Equipment



8.2.2 Appropriate Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.



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8.2.3 Individual Protection Measures

Eye/face protection	Safety glasses with side shields. Goggles with a face shield may be necessary depending on quantity of material and conditions of use.
Hand protection	Nitrile rubber, PVC disposable gloves. Change protective gloves often enough.
Skin and body protection	Minimize any skin contact. Protective clothing when needed.
Respiratory protection	Use appropriate respiratory protection if there is the potential to exceed the exposure limit(s).

9: Physical And Chemical Properties

9.1. Information On Basic Physical And Chemical Properties

Test	Test Unit	Values	Test Method
Physical state	-	Liquid- Clear	-
Odor threshold	-	Not available.	-
pH	-	7,5-11	ASTM D 1287
Initial boiling point and boiling	-	Not available.	-
Evaporation rate	-	Not available.	-
Flammability (solid, gas)	-	Not available.	-
Upper/lower flammability or explosive limits	-	Not available.	-
Vapor pressure	-	Not available.	-
Vapor density	-	Not available.	-
Density, 20 °C	g/cm ³	1,065-1,145	ASTM D 5002
Solubility	-	soluble in water	-
Partition coefficient (n-octanol/water)	-	Not available.	-
Decomposition temperature	-	Not available.	-
Explosive properties	-	Not available.	-
Oxidizing properties	-	Not available.	-



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Boiling Point	°C	Min.163	ASTM D 1120
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9.2. Further information

No specific data.

10: Stability And Reactivity

10.1. Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2. Chemical Stability

The product is stable.

10.3. Possibility Of Hazardous Reactions

Not determined.

10.4 Conditions To Avoid

High temperatures, sparks, and open flames.

10.5 Incompatible Materials

Strong oxidizing and reducing agents.

10.6 Hazardous decomposition products

No specific data.

11: Toxicological Information

11.1. Information on toxicological effects

Acute toxicity	Harmful if swallowed
Skin irritation	No specific health warnings noted.
Serious eye damage/ eye irritation	No specific health warnings noted.
Carcinogenicity	No specific data.
Reproductive toxicity	No specific data.
Specific target organ toxicity - single exposure	No specific data.
Specific target organ toxicity - repeat exposure	No specific data.

12: Ecological Information



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12.1. Toxicity

12.1. Toxicity

Daphnia EC50/48h: 100 mg/l

Algae EC50/96h : 6500 -1300 mg/lmg/l

Fish LC50/96h 72860 mg/l

12.2. Persistence and degradability

Biodegradable

12.3. Bioaccumulative potential

Low potential

12.4. Mobility

No specific data.

12.5. Results of PBT and vPvB assessment

No specific data.

12.6. Other adverse effects

No specific data.

13: Disposal Considerations

GENERAL INFORMATION

Dispose of waste and residues in accordance with local authority requirements.

DISPOSAL METHODS

Incinerate with provision for removal of effluent gases by scrubber.

14: Transport information

Not dangerous goods in the meaning of ADR/RID, ADNR,IMDG-Code, ICAO/IATA-DGR

14.1. UN No

Not applicable.

14.2. Proper shipping name

Not applicable.

14.3. Transport hazard class(es):

Not applicable.



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14.4. Packaging group

Not applicable.

14.5. Environmental hazards:

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

15: Regulatory Information

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

Product is classified and labeled in accordance with the procedures and principles stipulated in the EU Directive and ' Regulations on the preparation of safety data sheets on hazardous substances and mixtures (13.12.2014- 29204 numbered Official Gazette) ', " The regulation on preparation and distribution of safety data sheets on hazardous materials and preparations (26/12/2008 to 27092 Rep.".

16: Other Information

Revision Statement:

This Safety Data Sheet is First Revision Product is classified and labeled in accordance with the procedures and principles stipulated in the (13.12.2014- 29204 numbered Official Gazette) ", " The regulation on preparation and distribution of safety data sheets on hazardous materials and preparations

Explanations of the abbreviations

ADR	European Agreement concerning the International Transport of Dangerous Goods by Road
IATA	The International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
MARPOL 73/78	International Convention for the Prevention of Pollution from Ships
PBT	Persistent Bioaccumulative Toxic
RID	Regulations concerning the International Transport of Dangerous Goods by Rail
STEL	Short Term Exposure Limit
TWA	8-hour Time Weighted Averages



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vPvB Very Persistent Bioaccumulative Toxic

Information sources

-ESIS (European chemical Substances Information System), <http://esis.jrc.ec.europa.eu/>

- REACH registered chemicals, http://echa.europa.eu/chem_data_en.asp

Hazard statements:

H302 Harmful if swallowed

H373: May cause damage to organs through prolonged or repeated exposure

Preparer

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Certificate No : TÜV/01.350.03 (Certified by TÜV AUSTRIA Safety Data Sheet Preparer)

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