

This Safety Data Sheet is "Regulation on Safety Data Sheets for Hazardous Substances and Mixtures" (Official Journal dated 13.12.2014 and numbered 29204) and "Regulation on Classification, Labeling and Packaging of Substances and Mixtures" Prepared in accordance with (Official Journal No. 28848 and 11.12.2013).

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product Identifier**

Product name HEXON RADIATOR COOLANT

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

Identified Uses Antifreeze liquid for use in radiators

1.3 Details of the supplier of the safety data sheet**Supplier**

Name ÖZERŞAH ENERJİ VE PETROL ÜRÜNLERİ TİCARET VE SANAYİ LİMİTED ŞİRKETİ

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Related person Fetullah ARVAS

1.4. Emergency telephone number

ÖZERŞAH ENERJİ VE PET. ÜRÜN. TİC. VE SAN. LTD. ŞTİ. : 0262 502 01 99

National Poison Information Center (UZEM) : 114

Emergency Health Services : 112

2. HAZARDS IDENTIFICATION

2.1 Xn - Harmful if swallowed. May be harmful if inhaled or in contact with the skin. Skin and respiratory irritant. Severe eye irritant. Reproductive hazard. R 22 Harmful if swallowed

R 36 Irritating to eyes

3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS Chemical characterisation:		
COMPOSITION / INFORMATION ON		
Description: Mixture of substances below with non-hazardous additions such as a rust inhibitor.		
CAS No: 107-21-1 EC No: 203-473-3 EC Index No: 603-027-00-1	Monoethylene glycol	

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4. FIRST AID MEASURES

4.1 After swallowing:

Induce vomiting if large amount was swallowed and obtain medical advice.

4.2 After inhalation:

Remove patient to fresh air, provide artificial respiration if patient stopped breathing. It may be necessary to administer oxygen. Call a physician or transport to clinic.

4.3 After skin contact:

Avoid prolonged exposure, wash off with running water / shower.

4.4 After eye contact:

Wash eyes with excess water for at least 15-20 minutes and seek medical advice.

5. FIRE FIGHTING MEASURES

5.1 Fire Extinguishers

Extinguishing media: CO₂, sand, water, fog, dry chemicals.

6. ACCIDENTAL RELEASE MEASURES

Person-related safety precautions : Wear protective equipment – safety glasses.

Work in adequately ventilated areas.

Measures for environmental protection: Prevent contamination of ground or surface water.

Measures for cleaning/collection: Absorb with liquid binding material (sand, sawdust or diatomite binders and remove with shovel and collect for disposal. Ensure adequate ventilation.

7. HANDLING AND STORAGE

7. Information for safe handling:

Ensure good ventilation at the workplace; avoid skin contact.

Information about fire – and explosion protection:

Keep away from ignition sources and storage temperatures over 100°C. Storage

No special requirements; keep containers closed.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with limit values:	
CAS No 107-21-1 MEG	
ORAL	ORL-HMN LDLO 786 mg/kg ORL-RAT LD50 4700 mg/kg IPR-MUS LD50 5614 mg/kg
Personal Protective Equipment :	
General: Keep away from foodstuffs and beverages. Remove soiled clothing immediately. Wash hands after handling of chemicals. Avoid eye and skin contact. Respiratory protection: In case of long or intensive exposure use respiratory protective device. Protection of hands : Protective gloves. Eye protection: Sealed goggles.	

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form: Viscous liquid
 Colour: Green
 Odour: Typical
Change in condition:
 Boiling point: >100°C
 Flash point: 102°C
 Specific gravity: 1,02
 Water solubility: miscible in all proportions
 Solvent content: none

10. STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided: Stable if used according to specification.
 Dangerous reactions: avoid contact with strong bases, strong acids, strong oxidizing substances, perchloric acid, chromyl chloride.
 Protect from moisture.

11. TOXICOLOGICAL INFORMATION

Oral: Single dose oral toxicity is very low and small amounts swallowed are not likely to cause injury. Swallowing large amounts will cause injury.
 Skin: Low absorption via skin, but prolonged exposure may lead to drowsiness
 Eye: causes eye irritation, but corneal injury is unlikely.
 Inhalation: irritant.

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12. ECOLOGICAL INFORMATION

Ecotoxicological effects:

Biodegradable – more than 85% after 30 days. Degrades faster in the atmospheric environment.

13. DISPOSAL CONSIDERATIONS

Dispose in designated disposal containers, not into effluent or water sources.

14. TRANSPORT INFORMATION

14.1 UN Number

Not applicable.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4 Packing group

Not applicable.

14.5 environmental hazards

Environmentally hazardous substance/marine pollutant

No.

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

National regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

Guide

Workplace Exposure Limits EH40.

CHIP for everyone HSG228.

Safety Data Sheet for substances and preparations.

Approved Classification and Labelling Guide (Sixth edition) L131

16. OTHER INFORMATION

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16.1 Additional info

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abbreviations

ADR: European Agreement on the International Carriage of Dangerous Goods by Road.

ADN: European Agreement on the International Carriage of Dangerous Goods by Inland Waterways.

ADNR: Regulation on the Carriage of Dangerous Goods in Rivers

RID: European Agreement on the International Carriage of Dangerous Goods by Rail.

DGR: International Air Transport Association Dangerous Goods Legislation

ICAO-TI: Technical Specification for the Safe Carriage of Dangerous Goods by Air.

UZDM: National Poison Advisory Center ISGGM: General Directorate of Occupational Health and Safety

ACGIH: American Government Industrial Hygienists Association

ASTM: American Society for Testing Materials

IMDG: International Maritime Dangerous Goods.

CAS: Chemical Theories Service.

PBT: Kalıcı, Bioaccumulative and Toxic substance.

OEL: Occupational Exposure Limit Values

TWA: Time-weighted average measured or calculated for a specified reference period of 8 hours.

STEL: The upper limit value for exposure that should not be exceeded for a period of 15 minutes, unless another time is specified.

MARPOL 73/78: Convention for the Prevention of Marine Pollution from Ships

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