

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) No 453/2010



ULTRA SAFE 620
Print date: 28-Nov-16

Form no: DOK-EY-40
Date prepared: 13-Jul-16

Revision no: 1.0
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1. Identification of the substance / preparation and of the company / undertaking

- 1.1 Identification of the substance or preparation:** ULTRA SAFE 620
- 1.2. Use of the substance/ preparation:** Hydraulic Fluid
For industrial purposes only
- 1.3. Supplier (manufacturer/importer/downstream user/distributor):** PETROFER ENDÜSTRİYEL YAĞLAR SAN. VE TİC. A.Ş.
10008 Sok. No. 1, 35620
Çiğli – İZMİR
Telephone: +90 (232) 376 84 45
Fax: +90 (232) 376 79 42
E-mail: quality@petrofer.com.tr
Web: <http://www.petrofer.com.tr>
- 1.4. Emergency telephone:** +90 (232) 376 84 45

2. Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

Acute Tox. 4 / H302	Acute toxicity (oral)	Harmful if swallowed.
STOT RE 2 / H373	Specific target organ toxicity (repeated exposure)	May cause damage to organs through prolonged or repeated exposure.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Warning

Hazard statements

H302	Harmful if swallowed.
H373	May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

P260	Do not breathe dusts or mists.
P270	Do not eat, drink or smoke when using this product.
P314	Get medical advice/attention if you feel unwell.

contains:

ethanediol

Supplemental Hazard information (EU)

n.a.

3. Composition / Information on ingredients

3.2. Mixtures

Product description / chemical characterization

Description contains water-glycol -solutions with additives

Hazardous ingredients

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Classification according to Regulation (EC) No. 1272/2008 [CLP]

EC-no.: CAS-No.: INDEX No.:	REACH No. Chemical Name: classification:	Wt % Remark
203-473-3 107-21-1 603-027-00-1	01-2119456816-28 ethanediol Acute Tox. 4 H302 / STOT RE 2 H373	25 < 40
203-872-2 111-46-6 603-140-00-6	01-2119457857-21 2,2'-oxybisethanol Acute Tox. 4 H302	5 < 10

Additional information

Full text of H-phrases: see section 16.

4. First-aid measures

4.1. Description of first aid measures

General information: In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in unconscious position and seek medical advice.

In case of inhalation: Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact: Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

In case of eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice.

After ingestion: If swallowed, rinse mouth with water (only if the person is conscious). Consult physician immediately. Keep victim calm. Give activated carbon, in order to reduce the resorption in the gastro-enteric tract.

4.2. Most important symptoms and effects, both acute and delayed

In all cases of doubt, or when symptoms persist, seek medical advice.

4.3. Indication of any immediate medical attention and special treatment needed

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media:

All usual fires in the surrounding area. The product is non-flammable.

5.2. Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases:

None

Inhaling hazardous decomposing products can cause serious health damage.

5.3. Special protective equipment for fire-fighters:

Provide a conveniently located respiratory protective device.

Additional information:

Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous. Move undamaged containers from immediate hazard area if it can be done safely.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

6.2. Environmental precautions

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Do not empty into drains or the aquatic environment. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13).

6.4. Reference to other sections

Observe protective provisions (see chapter 7 and 8).

Small quantities of residues may be drained using a lot of water.

7. Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

When using do not eat, drink or smoke. Avoid unnecessary contact. Avoid release to the environment.

Precautions against fire and explosion:

See chapter 9 for flashpoint!

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSIVO). Keep container tightly closed. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. According to the regional regulations.

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 5 °C and 40 °C. Protect from heat and direct sunlight.

7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

8. Exposure controls/ Personal protection

8.1. Control parameters

Occupational exposure limit values:

Description	Type	Value (ppm; mg/m ³)
---	STEL (EC) TWA (EC)	
Oxydiethanol		LTEL/STEL: 101/- mg/m ³ EH40/05 (UK)
Ethane-1,2-diol (part.)		LTEL/STEL: 10/- mg/m ³ EH40/05 (UK)

Additional information

Stated values are taken from the then applicable German TRGS 900 or the German VCI table for exposure limit values.

TWA (EC): Occupational exposure limit value

STEL (EC): Short term occupational exposure limit value

8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction.

Occupational exposure controls:

Respiratory protection:

Do not breathe gas/vapour/aerosol.

Respiratory protection necessary at/for: aerosol or mist formation and insufficient exhaust half-mask with filter according to EN 149: P2

With correct and proper use, and under normal conditions, breathing protection is not required.

Hand protection:

For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber). PVC (Polyvinyl chloride). CR (polychloroprene, chloroprene rubber). Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye protection:

Wear closely fitting protective glasses in case of splashes.

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Body protection:

Apron.

Protective measures:

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid
Colour: Colorless
Odour: characteristic

Safety relevant basis data	Measured values	unit	Method	Remark
Flash point: ca.	n.a.	°C	EN 22719	
Explosion Limits:	n.a.	Vol. %		literature value
Density at 20 °C: ca.	1,070	g/cm ³	DIN 51757	
Water solubility (g/l):	soluble			
pH at 20 °C (100 % by weight): ca.	9-9,5		DIN 51369	
Viscosity at 40 °C: ca.	39	mm ² /s	DIN 51562/1	
Boiling Temperature:	100	°C		
Pourpoint:	-48	°C	ISO 3016	

9.2. Other information:

10. Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4. Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

10.5. Incompatible materials

No special

10.6. Hazardous decomposition products

Hazardous decomposition by products may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

No special

Additional information

The product is free from chlorine, PCB and PCT.

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Toxicological data are not available.

Irritant and corrosive effects

Toxicological data are not available.

Sensitisation

Toxicological data are not available.

Specific target organ toxicity

Toxicological data are not available.

Aspiration hazard

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Toxicological data are not available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Toxicological data are not available.

Practical experience/human evidence

Ingestion of larger quantities may pose a health risk.

Other observations:

Overall Assessment on CMR properties

The ingredients in this preparation do not meet the criteria for classification as CMR category 1 or 2 according to 67/548/EEC. There is no information available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified according to the toxicological dangers. See chapters 2 and 15 for details.

12. Ecological information

overall evaluation

There is no information available on the preparation itself.

Do not allow to enter into surface water or drains.

12.1. Toxicity

No information available.

Long-term Ecotoxicity

Toxicological data are not available.

12.2. Persistence and degradability

Toxicological data are not available.

12.3. Bioaccumulative potential

Toxicological data are not available.

Bioconcentration factor (BCF)

Toxicological data are not available.

12.4. Mobility in soil

Toxicological data are not available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

13. Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

List of proposed waste codes/waste designations in accordance with EWC

130113 other hydraulic oils

packaging

Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

14. Transport information

No dangerous good in sense of this transport regulation.

14.1. UN number

n.a.

14.2. UN proper shipping name

14.3. Transport hazard class(es)

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n.a.

14.4. Packing group

n.a.

14.5. Environmental hazards

Land transport (ADR/RID) n.a.

Marine pollutant n.a.

14.6. Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

Additional information

Land transport (ADR/RID)

tunnel restriction code -

Sea transport (IMDG)

EmS-No. n.a.

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

EU legislation

National regulations

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Other regulations, restrictions and prohibition regulations

Substance/product listed in the following inventories:

All ingredients are listed in or exempt from the EPA Toxic Substance Control Act (TSCA)

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this preparation were not carried out.

16. Other information

HS code: 381900000000

Relevant R-and H-phrases (Number and full text):

Acute Tox. 4 / H302

Acute toxicity (oral)

STOT RE 2 / H373

Specific target organ toxicity (repeated exposure)

Harmful if swallowed.

May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

Additional information

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.

n.a.= not applicable

n.b.= not determined