

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 WOIL HEAT TRANSFER OIL 100

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

Identified uses Industrial use

1.3 Details of the supplier of the safety data sheet

Supplier

Name ÖZERŞAH ENERJİ VE PETROL ÜRÜNLERİ TİCARET VE SANAYİ LİMİTED ŞİRKETİ

Address Gebkim Kimyacılar Osb. Atatürk Bulv. No:4/a Dilovası / KOCAELİ

Telephone 0262 502 01 99

Fax 0262 502 01 97

Web www.woil.com.tr

e-mail ozersahenerji@gmail.com

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 Classification of the substance or mixture

Classification (28848 T.C.)

Physical and Chemical Hazard Not classified as harmful.

Human health Not classified as harmful.

Environment Not classified as harmful.

2.2 Label elements

Labeling 28848 T.C.)

No labeling required Not classified as harmful.

Hazard pictograms Not classified as harmful

Warning statement Not available.

Hazard statement Not classified as harmful.

Precautionary statements Not classified as harmful.

2.3 Other hazard

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There is no other foreseen danger.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

This material is not applicable as it arranged as a mixture

3.2 Mixtures

Some substances do not have a classification according to the current legislation. Classified by the manufacturer. According to IP 346, DMSO rate is less than %3.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Breathing

Move casualty to fresh air immediately. Rinse nose and mouth with water. If discomfort persists, medical.

Swallowing

Never give anything by mouth to an unconscious person. Do not try to induce vomiting. Rise mouth thoroughly with water. If discomfort persists, seek medical attention.

Skin contact

Move the casualty away from the source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. If discomfort persists, seek medical attention.

Eye contact

Remove any contact lenses and open eyelids wide. Continue washing for at least 15 minutes. Continue washing for at least 15 minutes. If discomfort persists. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation No specific symptoms known.

Ingestion No specific symptoms known.

Skin contact No specific symptoms known.

Eye contact No specific symptoms known.

4.3 First signs for medical intervention and special treatment

No specific treatment is recommended treat according to symptoms

5. FIRE FIGHTING MEASURES

5.1 Fire extinguishers

Suitable fire extinguishers

The product is not flammable. Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing agents

Do not use: Water

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5.2 Special damages caused by the product

None information.

5.3 protective equipment for fire fighters

Protective measure to be taken during fire extinguishing

Avoid breathing fire gases or vapors.

Special protective equipment for fire fighters

Wear positive-pressure self-contained breathing apparatus and suitable protective clothing

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal protective measures

Wear protective clothing as show in section 8 of this safety data sheet.

6.2 Environmental precautions

Avoid spilling into drains, watercourses or soil.

6.3 Collection and cleaning processes

Spill clean-up methods

If possible, stop the leak as long as there is no danger. Absorb with vermiculite, dry sand or soil and place in containers. Flush contaminated area with copious amounts of water. Avoid entry of spillage or runoff into drains, sewer or water bodies.

6.4 References to other sections

See chapters 8 and 13.

7. HANDLING AND STORAGE

7.1 Conditions for safe handling

Usage precautions

Avoid spilling. Avoid contact with eye skin.

7.2 Conditions for safe storage, including Incompatibilities

Storage precautions

Store in tightly closed original packaging in a dry, cool and well-ventilated place.

7.3 Specific end uses

Identified uses for this product are detailed in section 1.2.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Exposure control limits

None information.

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8.2 Exposure controls

8.2.1 Mühendislik Önlemleri

Provide adequate ventilation. Avoid breathing vapors. Observe the occupational exposure limit for the product and ingredients.

8.2.2 Personal protective equipment

Process conditions: Provide eye wash facility.

Technical measures: Comply with operational exposure limits and reduce the risk of inhaling vapors. Provide adequate ventilation.

Inhalation: No special recommended storage measures. In case of excessive air pollution, chemical resistant, waterproof gloves complying with an approved standard should be used.

Hand protection: If the risk assessment indicates that skin contact is possible, chemical resistant, waterproof gloves complying

Face and eye protection: eye protection conforming to an approved standard should be used if the risk assessment indicates the possibility of eye contact. The following means of protection should be used: chemical splash goggles or a face shield.

Other protection : Wear steel-toed shoes

Health precautions: do not smoke in the work area. Wash your hands at the end of each shift and before eating, smoking and going to the toilet. In case of skin contamination, wash immediately. Remove contaminated clothing immediately. Use a suitable skin cream to prevent the skin from drying out. Do not eat, drink or smoke during use.

Skin protection: Wear suitable clothing to avoid skin contact.

9. PHYSICAL CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | |
|--------------------------------------|-------------------------|
| Physical condition: | liquid |
| Color : | characteristic |
| Odor : | No information. |
| pH: | No information. |
| Resolution : | No information. |
| Boiling point: | No information. |
| Melting point: | No information. |
| Flash point (ASTM D92) | 220 °C |
| Density 15°C (ASTM D4052) | 0,889 g/cm ³ |
| Viscosity 40°C (ASTM D445) | 90-110 cSt |
| Viscosity index (ASTM D 2270) | 95 |
| Pour point (ASTM D 97) | -12 °C |

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10. STABILITY AND REACTIVITY

10.1 Reactivity

There are no known reactive hazards associated with this product.

10.2 Possibility of hazardous reactions

It is stable at normal ambient temperatures.

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions do not occur.

10.4 conditions to avoid

Avoid excessive heat for long periods of time. Avoid contact with strong oxidizing agents.

10.5 Incompatible materials

Strong oxidizing preparations. Strong acids.

10.6 Hazardous decomposition products

Fire creates: carbon monoxide (CO). Carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

11.1 Information in toxic effects

No data has been saved. The information given below is based on data on the toxicology of similar products.

Inhalation: Gas or vapor in high concentrations may irritate the respiratory system. The following symptoms may occur after overexposure: cough

Ingestion: may cause discomfort if swallowed.

Skin contact: Liquid may irritate skin.

Eye contact: Eye contact with vapor or spray may cause eye irritation and burns.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Not considered dangerous for the environment

12.2 persistence and degradability

No information.

12.3 Bioaccumulation potential

No information.

12.4 Mobility in soil

The product is immiscible with water and spreads on the water surface.

12.5 other adverse effects

No information.

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13. DISPOSAL INFORMATION

Dispose of waste at a licensed waste disposal facility in accordance with the requirements of local Waste Disposal Authorities

14. TRANSPORT INFORMATION

The product is not covered by international regulations on the transport of dangerous good (IMDG,IATA ADR/RID)

14.1 UN Number

Not applicable.

14.2 UN proper shipping name

Not applicable

14.3 transport hazard class (es)

There are no requires transport warning sings.

14.4 Packing group

Not applicable.

14.5 Environmental damages

Environmentally hazardous/ marine pollutant

No.

14.6 Special precautions for the user

Not applicable.

14.7 Public transport according to Annex II of MAROL 73/78 AND THE IBC code

Not applicable.

15. REGULATORY INFORMATION

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

National regulations

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

Director

Workplace Exposure Limits EH40.

CHIP for everyone HSG228.

Approved Classification and Labelling Guide (Sixth edition) L131.

Safety data sheet for substances and preparations.

16. OTHER INFORMATION

16.1 Additional Info



**MATERIAL SAFETY DATA SHEET
WOIL HEAT TRANSFER OIL 100**



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Key information resources

T.R dated 26 December 2008 and reiterated number 27092. "Regulation on the Preparation and Distribution of safety Data Sheet for Dangerous Substances and Preparations" published in the Official Gazette.

16.2 Prepared by

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