SAFETY DATA SHEET
DURA T 100
Commission Regulation (EU) No 2015/830 of 28 May 2015.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name DURA T 100

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

Identified uses Hydraulic system oil. Please look at the Technical Data Sheet of the product for further information.

1.3. Details of the supplier of the safety data sheet

Supplier
OPET FUCHS MADENİ YAĞ SAN. ve TİC. A.Ş.
Atatürk Organize Sanayi Bölgesi Mustafa Kemal Bulvarı
No:12 35620 Çiğli/İZMİR
Tel: +90 232 376 78 38
Fax: +90 232 376 78 39
www.opetfuchs.com.tr

Contact person
OPET FUCHS MADENİ YAĞ SAN. ve TİC. A.Ş. - Environment, Health and Safety Management
e-mail: ehs@opetfuchs.com.tr

1.4. Emergency telephone number

Emergency telephone
UZEM (National Poison Consultancy Center): 114
Emergency Health Service:112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

2.2. Label elements

Hazard statements NC Not Classified

2.3. Other hazards

By handling of mineral oil products and chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

DURA T 100

Lubricating oils (petroleum), Base oils, unspecified	**40-60%**
CAS number: 74869-22-0	EC number: 278-012-2
Classification	
Not Classified	

LUBRICATING OILS (PETROLEUM), C20-50, HYDROTREATED NEUTRAL OIL-BASE		**40-60%**
CAS number: 72623-87-1	EC number: 276-738-4	REACH registration number: 01-2119474889-13-XXXX
Classification		
Not Classified		

The full text for all hazard statements is displayed in Section 16.

Composition comments Note L: The product contain special performance additives and base oils which are considered to be severely refined and not considered to be carcinogenic. All of the base oils in the product have been demonstrated to contain less than 3% (w/w) dimethyl sulfoxide extract by the IP 346 test.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Change clothes and shoes contaminated or soaked by product. Never put rags contaminated by product into cloth-pockets. Get medical attention if any discomfort continues. Not expected to give rise to an acute hazard under normal conditions of use.

Inhalation Remove affected person from source of contamination and immediately take outside to fresh air. Consult a doctor if any discomfort continues.

Ingestion IF SWALLOWED: Rinse mouth thoroughly with water. Get medical attention immediately. Do not induce vomiting unless under the direction of medical personnel. Never give anything by mouth to an unconscious person. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Show this Safety Data Sheet to the medical personnel.

Skin contact Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water. Continue to rinse for at least 15 minutes. Brush off loose particles from skin. If adhesive bonding occurs, do not force skin apart. Get medical attention.

Eye contact Do not rub eye. Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist after washing.

Protection of first aiders Wash contaminated clothing thoroughly with water before removing it from the affected person, or wear gloves.

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. Indication of any immediate medical attention and special treatment needed

DURA T 100

Notes for the doctor Treat symptomatically. Show this Safety Data Sheet to the Doctor.

Specific treatments Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use Film-Making Foam Concentrate (A.F.F.F.) to extinguish the burning product. If not available, extinguish with dry chemical powder due to the size of fire. If the product is in pressurized container, cool with water spray jet.

Unsuitable extinguishing media During a fire, DO NOT extinguish by applying pressurized water and water jet directly on the burning product. Use water fog to cool down.

5.2. Special hazards arising from the substance or mixture

Specific hazards This product is not explosive. Do not heat up near flash point.

Hazardous combustion products In case of fire toxic and corrosive gases may form. These gases: Carbon dioxide, carbon monoxide, sulphur oxides, phosporus oxides, metal oxides

5.3. Advice for firefighters

Protective actions during firefighting In case of fire, shut off flow if it can be done without risk. Stop leak if safe to do so. Move undamaged containers from fire area if it can be done without risk. Prevent the burning product from entering into drainage system to avoid release of the product. To prevent spreading of the product build-up binders or barriers by using non-burning material such as sand. Use air-supplied respirators to protect against gases/fumes in case of fire-fighting.

Special protective equipment for firefighters Fire-fighting should be done by trained personnel. Special protective full-clothing, air-supplied respirator, gloves and protective goggles should be worn. Dry chemical sand used for fire extinguishing and other fire extinguising equipment should meet the national and international standards.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions In case of spills, beware of slippery floors and surfaces. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. For personal protection, see Section 8. Do not smoke,use open fire or other sources of ignition. Wear protective gloves and (in case of splashes) goggles/face shield too.

6.2. Environmental precautions

Environmental precautions Avoid release to the environment. Avoid discharge into drains,water courses or onto the ground. To prevent release,place container with damaged side up. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to local appropriate regulatory body. Empty container contains product residue which may exhibit hazards of product.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Large Spillages: Stop leak if possible without risk. DO NOT touch spilled material! Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13. Avoid the spillage or runoff entering drains, sewers or watercourses. Inform authorities if large amounts are involved. Small Spillages: Stop leak if possible without risk. Dam and absorb spillage with sand,sawdust or other absorbent. Absorb in vermiculite, dry sand or earth and place into containers. Dispose of via an authorised person/licensed waste disposal contractor in accordance with local regulations.

6.4. Reference to other sections

DURA T 100

Reference to other sections For handling and storage, see section 7. For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Provide adequate ventilation. Container must be kept tightly closed when not in use. Protect against direct sunlight. Do not heat up the product near flash point. Avoid spilling,skin and eye contact. Avoid eating,dringking and smoking when using the product. Persons susceptible to allergic reactions should not handle this product.

Advice on general occupational hygiene Wash after use and before eating, smoking and using the toilet. Take off contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in a demarcated bunded area to prevent release to drains and/or watercourses. Store in accordance with local regulations. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Protect from freezing and direct sunlight. Store in closed original container at temperatures between 0°C and 50°C. Keep away from food, drink and animal feeding stuffs.

Storage class Not special storage precautions required.

7.3. Specific end use(s)

Usage description For containers or container linings,use mild steel or high density polyethylene (HDPE). For containers or container linings,avoid PVC. Polyethylene containers should not be exposed to high temperatures because of possible risk distortion.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

Lubricating oils (petroleum), Base oils, unspecified

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³
Short-term exposure limit (15-minute): WEL 10 mg/m³

LUBRICATING OILS (PETROLEUM), C20-50, HYDROTREATED NEUTRAL OIL-BASE

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³
Short-term exposure limit (15-minute): WEL 10 mg/m³

Distillates (petroleum), solvent-dewaxed light paraffinic Baseoil - unspecified

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³
Short-term exposure limit (15-minute): WEL 10 mg/m³

METHYL METHACRYLATE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 208 mg/m³
Short-term exposure limit (15-minute): WEL 100 ppm 416 mg/m³
WEL = Workplace Exposure Limit

Distillates (petroleum), solvent-dewaxed light paraffinic Baseoil - unspecified (CAS: 64742-56-9)

DNEL Workers - Inhalation; Long term systemic effects: 5,4 mg/m³

8.2. Exposure controls

DURA T 100

Protective equipment

Appropriate engineering controls	Provide adequate ventilation. Avoid inhalation of vapours. In case of insufficient ventilation, wear suitable respiratory equipment. Observe any occupational exposure limits for the product or ingredients.
Personal protection	In case of splashing or scattering, wear protective oil-resistant or chemical-resistant clothing. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. Wash at the end of each work shift and before eating, smoking and using the toilet. The usual precautionary measures should be adhered to inhandling the chemicals or the mineral oil products.
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. Personal protective equipment for eye and face protection should comply with European Standard EN166.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, gloves should comply with European Standard EN374. It is recommended that gloves are made of the following material: Nitrile butyl rubber (NBR). Thickness: $\geq$ 0,38 mm The selected gloves should have a breakthrough time of at least 8 hours. The selection of suitable gloves does not only depend on the material, but also on further marks of quality varies from manufacturer. As the product is a pereparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Use thin cotton gloves inside the rubber gloves if allergy risk.
Other skin and body protection	Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible. Do not carry cleaning cloths impregnated with the product in trouser pockets. Use skin protection cream for preventive skin protection.
Hygiene measures	Provide eyewash station. Do not smoke in work area. Wash hands after contact. Promptly remove non-impervious clothing that becomes contaminated. Contaminated clothing should be placed in a closed container for disposal or decontamination. Remove contaminated clothing and wash the skin thoroughly with soap and water after work. When using do not eat,drink or smoke.
Respiratory protection	If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respiratory mask may be appropriate. Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator. Wear a respirator fitted with the following cartridge: Type A filter material European Committee for Standardization (CEN) standards EN 136, 140
Thermal hazards	Contact with hot product can cause serious thermal burns. If there is a risk of contact with hot product, all protective equipment worn should be suitable for use with high temperatures.

DURA T 100

Environmental exposure controls	STEL: 10mg/m³ 15 minutes. Form: Oil mist, mineral TWA: 5mg/m³ 8 hours. Form: Oil mist, mineral Short-Term Exposure Limit (STEL). The National Institute for Occupational Safety and Health (NIOSH,1992). Time-Weighted Average (TWA). Occupational Safety and Health Administration (OSHA, 29 CFR 1910.1000,Table Z-1).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Clear Liquid
Colour	Amber.
Odour	Mild, oily.
Flash point	240°C Cleveland open cup.
Bulk density	0,882 kg/l @ 15°C
Solubility(ies)	Insoluble in water.
Partition coefficient	Not known.
Auto-ignition temperature	Not self-ignited
Viscosity	100 mm²/s @ 40°C
Explosive properties	Not considered to be explosive.
Oxidising properties	Does not meet the criteria for classification as oxidising.
Comments	Values are typical. These values may be variable within the product specification.

9.2. Other information

Other information	No information required.

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stability	Stable at normal ambient temperatures. Do not mix with any other material.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid	Avoid freezing. Avoid contact with strong oxidising agents. Avoid exposure to high temperatures or direct sunlight. Keep away from moisture.

10.5. Incompatible materials

Materials to avoid	Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

DURA T 100

Hazardous decomposition products Does not decompose when used and stored as recommended. Heating may generate the following products: Toxic and corrosive gases or vapours. Thermal decomposition or combustion products may include the following substances: Carbondioxide,carbon monoxide,sulphur oxides,phosphorus oxides,metal oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects Information given is based on data of the components and of similar products.

Other health effects No data available to indicate product is carcinogenic, mutagenic, or reproductive toxic.

Acute toxicity - oral

Summary Not classified as hazardous based on available data.

Acute toxicity - dermal

Summary Not classified as hazardous based on available data.

Acute toxicity - inhalation

Summary Not classified as hazardous based on available data.

Skin corrosion/irritation

Skin corrosion/irritation Not classified as hazardous based on available data.

Serious eye damage/irritation

Serious eye damage/irritation Not classified as hazardous based on available data.

Respiratory sensitisation

Respiratory sensitisation Not classified as hazardous based on available data.

Skin sensitisation

Skin sensitisation Not classified as hazardous based on available data.

Germ cell mutagenicity

Genotoxicity - in vitro Not classified as hazardous based on available data.

Genotoxicity - in vivo Not classified as hazardous based on available data.

Carcinogenicity

Carcinogenicity Not classified as hazardous based on available data.

Reproductive toxicity

Reproductive toxicity - fertility Not classified as hazardous based on available data.

Reproductive toxicity - development Not classified as hazardous based on available data.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as hazardous based on available data.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as hazardous based on available data.

Aspiration hazard

Aspiration hazard Not classified as hazardous based on available data.

General information Information given is based on a knowledge of the components and the toxicology of similar products.

DURA T 100

Inhalation	Not expexted to cause irriation. Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.
Ingestion	May cause discomfort if swallowed. The main symptoms are gastrointestinal ailments, including upset stomach.
Skin contact	Skin irritation should not occur when used as recommended.
Eye contact	Not expexted to cause eye irriation. Vapors formed from heating may cause eye irriation.
Acute and chronic health hazards	The product contain special performance additives and mineral base oils which are considered to be severely refined and not considered to be carcinogenic. All of the base oils in the product have been demonstrated to contain less than 3% (w/w) dimethyl sulfoxide extract by the IP 346 test. USED OILS are more dangerous than new oils. Used oils may contain hazardous components which have the potential to cause skin cancer.
Route of exposure	Inhalation,ingestion,skin,eye contact.
Target organs	Skin,eyes,respiratory system,lungs,gastro-intestinal tract.

SECTION 12: Ecological information

Ecotoxicity No negative effects on the aquatic environment are known.

12.1. Toxicity

Toxicity Not expected to be harmful to aquatic organisms.

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not known.

12.4. Mobility in soil

Mobility The product is insoluble in water and will spread on the water surface. It may absorbed by soil and will not be mobile.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment No data available.

12.6. Other adverse effects

Other adverse effects No adverse effects are expected.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Empty packages and wastes produced after the usage of the product should be taken under control according to the current environmental regulations. Unless otherwise noted all wastes should be evaluated as hazardous waste.

Disposal methods Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

Waste class European Waste Class: 13.01.10*: Chlorine free mineral oil based hydraulic oil.

SECTION 14: Transport information

DURA T 100

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

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

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 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

EU legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Observe the general safety regulations when handling chemicals.The product is not subject to identification regulations under EC Directives until 2004/73/EC (31. ATP) andthe Ordinance on Hazardous Materials. The concentrations of the dangerous compounds, which are possiblyspecified under point 3, are not above the value for classification. Local regulations must be kept.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information All ingredients are listed in the European Inventories. However, they shall not constitute aguarantee for any specific product features and shall not establish a legally validcontractual relationship. This data sheet is a safety data sheet according to 91/155/EU. For products which are not subject to classification according to EU lists this data sheet is made on a voluntary base.

DURA T 100

Key literature references and sources for data	December 13, 2014, No. 29204, "the Ministry of Environment and the Ministry of Urban Development Related to Safety Data Sheets on Hazardous Substances and Mixtures Direction"
Revision comments	Revised formulation.
Issued by	CANER DEMİRTAŞ Çevre Mühendisi, KİM-CERT sertifikalı GBF hazırlayıcısı. Sertifika Numarası : GBF01.06.06 caner.demirtas@opetfuchs.com.tr
Revision date	24/10/2019
Revision	5
Supersedes date	03/12/2010
SDS number	22043