



## SAFETY DATA SHEET

### ATF DX-3

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.  
Commission Regulation (EU) 2020/878 of 18 June 2020.

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

##### 1.1. Product identifier

**Product name** ATF DX-3

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

**Identified uses** Automatic Transmission Fluid

**Uses advised against** This product must not be used in applications other than those recommended in Section 1, without first seeking the advice of the supplier. This product is not to be used as a solvent or cleaning agent; for lighting or brightening fires; as a skin cleanser. This product is designed only to suit automotive applications and no provision is made for the requirements of aviation applications.

##### 1.3. Details of the supplier of the safety data sheet

**Supplier** PETROL OFİSİ A.Ş.  
Ünalán Mahallesi, Libadiye Caddesi No: 82F Kat: 2-3-4, 34700 Üsküdar/ İstanbul  
Tel: +90 850 339 1919  
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madeniyag@petrolofisi.com.tr

**Contact person** Customer Services: madeniyag@petrolofisi.com.tr

##### 1.4. Emergency telephone number

**National emergency telephone number** Emergency Medical Services: 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

**Environmental** The product is not expected to be hazardous to the environment.

##### 2.2. Label elements

**Hazard statements** EUH208 Contains Alkoksillenmiş uzun zincirli alkil amin. May produce an allergic reaction.

##### 2.3. Other hazards

Not applicable.

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures



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<b>Lubricating Oils, complex combination of hydrocarbons obtained from solvent extraction and dewaxing.(C15-C50)</b> CAS number: 74869-22-0                      EC number: 278-012-2 See Section 8 for occupational exposure limits.	<b>80-95%</b>
<b>Classification</b> Not Classified	
<b>Methacrylate copolymer</b> CAS number: —	<b>1-5%</b>
<b>Classification</b> Eye Irrit. 2 - H319	

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

**Composition comments**                      Some substances are not classified by legislation.They are self classified by the manufacturer. The DMSO extract by IP 346 of the oil is less than 3%

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

<b>General information</b>	Get medical attention if any discomfort continues.
<b>Inhalation</b>	Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.

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

<b>General information</b>	Treat symptomatically.
<b>Inhalation</b>	No specific symptoms known.
<b>Ingestion</b>	No specific symptoms known.
<b>Skin contact</b>	No specific symptoms known.
<b>Eye contact</b>	No specific symptoms known.

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

<b>Notes for the doctor</b>	Treat symptomatically.
<b>Specific treatments</b>	Treat symptomatically.

#### SECTION 5: Firefighting measures



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According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended. Commission Regulation (EU) 2020/878 of 18 June 2020.

### 5.1. Extinguishing media

**Suitable extinguishing media** The product is not flammable. Extinguish with the following media: Water spray, foam, dry powder or carbon dioxide.

**Unsuitable extinguishing media** Do not use the following: Water.

### 5.2. Special hazards arising from the substance or mixture

**Specific hazards** Oxides of the following substances: Carbon.

**Hazardous combustion products** Carbon monoxide (CO). Oxides of sulphur. Unidentified organic or inorganic compounds.

### 5.3. Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

**For non-emergency personnel** Necessary precautions should be taken to ensure that non-educated personnel do not intervene.

**For emergency responders** Notification: In case of spillage, notify the local authorities as appropriate or as necessary. Stop the leakage source if it can be done without risk. Limit spillage to prevent further contamination of soil, surface or ground water. Remove any spilled material as soon as possible by following the precautions in the section Exposure Controls / Personal Protection. Use suitable techniques such as non-flammable absorbent materials or pumping. When possible or appropriate, remove the contaminated soil from the area. Place contaminated products in disposable boxes and dispose of in accordance with regulations. If a heated material is spilled, allow it to cool before handling with disposal methods.

### 6.2. Environmental precautions

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

### 6.4. Reference to other sections

**Reference to other sections** Not applicable.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Avoid spilling. Avoid contact with skin and eyes.

**Advice on general occupational hygiene** In the areas where the product is handled, food should not be eaten, beverages should not be drunk and smoke should not be smoked. Good personal hygiene procedures should be implemented.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place.



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<b>Storage class</b>	Chemical storage.
<b>7.3. Specific end use(s)</b>	
<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.2.
<b>Usage description</b>	The product must be used as specified in the data sheet.

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

There is no available data.

##### Lubricating Oils, complex combination of hydrocarbons obtained from solvent extraction and dewaxing.(C15-C50)

None of the components has assigned exposure limits.

<b>Ingredient comments</b>	Oil Mist TWA: 5 mg /m <sup>3</sup> (ACGIH). Distillates (petroleum) hydrotreated heavy parafinic: EU OEL (Eu.) TWA: 5 mg/m <sup>3</sup> (8 h.)
<b>Biological limit values</b>	There is no available data.
<b>DNEL</b>	There is no available data.
<b>DMEL</b>	There is no available data.
<b>PNEC</b>	There is no available data.

##### Lubricating Oils, complex combination of hydrocarbons obtained from solvent extraction and dewaxing.(C15-C50) (CAS: 74869-22-0)

<b>Ingredient comments</b>	There is no approximate limit value for this product. Steam, fog or smoke should be controlled to the lowest possible level.
<b>Biological limit values</b>	No information available.
<b>DNEL</b>	No information available.
<b>DMEL</b>	No information available.
<b>PNEC</b>	No information available.

#### 8.2. Exposure controls

##### Protective equipment



**Appropriate engineering controls** Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

**Personal protection** Keep away from foodstuffs, beverages and foods. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Store protective clothing separately. The effectiveness of personal protective equipment, together with other elements, depends on the degree of ventilation. Depending on the particular situation in question, Get professional support.



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<b>Eye/face protection</b>	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.
<b>Hand protection</b>	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of skin contact.
<b>Hygiene measures</b>	Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
<b>Respiratory protection</b>	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.
<b>Thermal hazards</b>	If there is a risk of contact with hot product, all protective equipment worn should be suitable for use with high temperatures.
<b>Environmental exposure controls</b>	There is no available data.

#### SECTION 9: Physical and chemical properties

##### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Colour</b>	Red.
<b>Odour</b>	Characteristic.
<b>Odour threshold</b>	Inconclusive data.
<b>pH</b>	Inconclusive data.
<b>Melting point</b>	Inconclusive data.
<b>Initial boiling point and range</b>	Inconclusive data.
<b>Flash point</b>	204°C OC (Open cup).
<b>Evaporation rate</b>	Inconclusive data.
<b>Evaporation factor</b>	Inconclusive data.
<b>Flammability (solid, gas)</b>	Inconclusive data.
<b>Upper/lower flammability or explosive limits</b>	Inconclusive data.
<b>Other flammability</b>	Inconclusive data.
<b>Vapour pressure</b>	Inconclusive data.
<b>Vapour density</b>	Inconclusive data.
<b>Relative density</b>	0,866 g/ml @ 15°C
<b>Bulk density</b>	~0,84 g/ml @15°C
<b>Solubility(ies)</b>	Insoluble in water.
<b>Partition coefficient</b>	Inconclusive data.



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<b>Auto-ignition temperature</b>	Inconclusive data.
<b>Decomposition Temperature</b>	Inconclusive data.
<b>Viscosity</b>	7-8,5 cSt @ 100°C
<b>Explosive properties</b>	Inconclusive data.
<b>Explosive under the influence of a flame</b>	No suitable data is available.
<b>Oxidising properties</b>	No data available.
<b>Comments</b>	Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.
<b>Particle characteristic</b>	Not applicable.
<b>9.2. Other information</b>	
<b>Other information</b>	No information required.
<b>Refractive index</b>	No information available.
<b>Particle size</b>	No information available.
<b>Molecular weight</b>	No information available.
<b>Volatility</b>	No information available.
<b>Saturation concentration</b>	No information available.
<b>Critical temperature</b>	No information available.
<b>Volatile organic compound</b>	No information available.

#### SECTION 10: Stability and reactivity

##### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

##### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures.

##### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Under normal conditions of storage and use, no hazardous reactions will occur.

##### 10.4. Conditions to avoid

**Conditions to avoid** Avoid excessive heat for prolonged periods of time. Avoid contact with strong oxidising agents.

##### 10.5. Incompatible materials

**Materials to avoid** Strong oxidising agents.

##### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

#### SECTION 11: Toxicological information

##### 11.1. Information on toxicological effects



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### Information on hazard classes as defined in Regulation (EC) No 1272/2008

<b>Other health effects</b>	No relevant information available.
<b>Toxicological effects</b>	Not applicable.
<b>Acute toxicity - oral</b>	
<b>Summary</b>	Based on available data, the classification criteria are not met.
<b>Notes (oral LD<sub>50</sub>)</b>	64742-54-7 distillates (petroleum), hydrotreated heavy paraffinic: LD <sub>50</sub> >2000 mg/kg, Oral, Zinc bis[O,O-bis(2-ethylhexyl)]bis(dithiophosphate): LD <sub>50</sub> 3100 mg/kg, Oral, Rat 2,6-di-tertiary-butylphenol: LD <sub>50</sub> >5000 mg/kg, Oral, Rat Distillates (petroleum), hydrotreated heavy paraffinic: LD <sub>50</sub> >5000 mg/kg, Oral, Rat bis(nonylphenyl)amine: LD <sub>50</sub> >5000 mg/kg, Oral, Rat phenol, dodecyl-,sulfurized,carbonates,calcium salts,overbased: LD <sub>50</sub> >5000 mg/kg, Oral, Rat Polyglycol ether: LD <sub>50</sub> 300- 2000 mg/kg, Oral, Rat Calcium bis(dinonylnaphtalinesulphonate): LD <sub>50</sub> >5000 mg/kg, Oral, Rat phenol, (tetrapropenyl) derivatives: LD <sub>50</sub> 2200 mg/kg, Oral, Rat
<b>Acute toxicity - dermal</b>	
<b>Summary</b>	Based on the available data, the classification criteria are not met.
<b>Notes (dermal LD<sub>50</sub>)</b>	64742-54-7: Distillates (petroleum), hydrotreated heavy paraffinic: LD <sub>50</sub> > 2000 mg/kg, Dermal, Zinc bis[O,O-bis(2-ethylhexyl)]bis(dithiophosphate) : LD <sub>50</sub> >5000 mg/kg, Dermal, Rabbit 2,6-di-tertiary-butylphenol: LD <sub>50</sub> >10000 mg/kg, Dermal, Rabbit Distillates (petroleum) hydrotreated heavy paraffinic: LD <sub>50</sub> >5000 mg/kg, Dermal, Rabbit Bis(nonylphenil)amine: LD <sub>50</sub> >5000 mg/kg, Dermal, Rat Phenol, tetrapropylene-,sulfurized, carbonates, calcium salts, overbased LD <sub>50</sub> >2000 mg/kg, Dermal, Rabbit Polyglycol ether: LD <sub>50</sub> >2000 mg/kg, Dermal, Rabbit Calcium bis (dinonylnahtalinesulphonate): LD <sub>50</sub> >20000 mg/kg, Dermal, Rat phenol, (tetrapropenyl) derivatives: LD <sub>50</sub> 15000 mg/kg, Dermal, Rabbit
<b>Acute toxicity - inhalation</b>	
<b>Summary</b>	Basen on the available data, the classification criteria are not met.
<b>Notes (inhalation LC<sub>50</sub>)</b>	Distillates (petroleum), hydrotreated heavy paraffinic: LC50 5,53 (4 sa.) mg/l, Inhalation, Rat Calcium bis(dinonylnahtalinsulphonate): LC50 >18 (1 sa.) mg/l, Inhalation, Rat
<b>Skin corrosion/irritation</b>	
<b>Summary</b>	Basen on the available data, the classification criteria are not met. In case of frequent and / or often contact with skin, irritation symptoms may occur.
<b>Skin corrosion/irritation</b>	Based on available data the classification criteria are not met.
<b>Animal data</b>	No information available.
<b>Human skin model test</b>	No information available.
<b>Extreme pH</b>	No information available.
<b>Serious eye damage/irritation</b>	
<b>Summary</b>	Based on available data, the classification criteria are not met. Eye contact may cause irritation.
<b>Serious eye damage/irritation</b>	Based on available data the classification criteria are not met.
<b>Respiratory sensitisation</b>	
<b>Summary</b>	Based on available data, the classification criteria are not met. Mist may cause slight irritation if inhaled.
<b>Respiratory sensitisation</b>	Based on available data the classification criteria are not met.
<b>Skin sensitisation</b>	



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<b>Summary</b>	Based on the available data, the product is not expected to have a skin sensitizing effect.
<b>Skin sensitisation</b>	Based on available data the classification criteria are not met.
<b>Germ cell mutagenicity</b>	
<b>Summary</b>	It is not expected to cause genetic damage in the light of current data.
<b>Genotoxicity - in vitro</b>	Based on available data the classification criteria are not met.
<b>Genotoxicity - in vivo</b>	Based on available data the classification criteria are not met.
<b>Carcinogenicity</b>	
<b>Summary</b>	This product mainly consists of mineral based base oils. The base oils in this product are refined. The base oils in the product content contain less than 3% DMSO according to IP 346.
<b>Carcinogenicity</b>	Based on available data the classification criteria are not met.
<b>Target organ for carcinogenicity</b>	No specific target organs known.
<b>Reproductive toxicity</b>	
<b>Summary</b>	There is no test data indicating that this product has a toxic effect on the reproductive system.
<b>Reproductive toxicity - fertility</b>	No information available.
<b>Reproductive toxicity - development</b>	No information is required.
<b>Specific target organ toxicity - single exposure</b>	
<b>Summary</b>	There is no available data.
<b>STOT - single exposure</b>	Based on available data the classification criteria are not met.
<b>Target organs</b>	No specific target organs known.
<b>Specific target organ toxicity - repeated exposure</b>	
<b>Summary</b>	There is no available data.
<b>STOT - repeated exposure</b>	Based on available data the classification criteria are not met.
<b>Target organs</b>	No specific target organs known.
<b>Aspiration hazard</b>	
<b>Summary</b>	Based on available data, the classification criteria are not met. Slight irritation of the respiratory tract may occur, if mists are inhaled.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.
<b>Toxicokinetics</b>	No information is required.
<b>General information</b>	Information given is based on data of the components and of similar products.
<b>Inhalation</b>	Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	Liquid may irritate skin.
<b>Eye contact</b>	May cause temporary eye irritation.





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<b>Acute and chronic health hazards</b>	There is not enough data.
<b>Route of exposure</b>	There is no available data.
<b>Target organs</b>	No specific target organs known.
<b>Medical symptoms</b>	No specific tes data are available.
<b>Medical considerations</b>	No specific tes data are available.
<b>11.2 Information on other hazards</b>	
<b>Information on other hazards</b>	This substance does not have endocrine disrupting properties.

### SECTION 12: Ecological information

<b>Ecotoxicity</b>	Not regarded as dangerous for the environment.
<b>12.1. Toxicity</b>	
<b>Toxicity</b>	There is not enough data.
<b>Acute aquatic toxicity</b>	
<b>Summary</b>	Based on available information, the classification criteria are not met.
<b>Acute toxicity - fish</b>	<p>bis(dithiophosphate): LL<sub>50</sub>, 96 hours: 4,4 mg/l, Oncorhynchus mykiss (Rainbow trout)</p> <p>2,6-di-tertiary-butylphenol: LC<sub>50</sub>, 96 hours: 1,4 mg/l, Pimephales promelas (Fat-head Minnow)</p> <p>Distillates (petroleum), hydrotreated heavy parafinic: LL<sub>50</sub>, 96 hours: &gt;100 mg/l, Pimephales promelas (Fat-head Minnow)</p> <p>Bis(nonylphenyl)amine: LL<sub>50</sub>, 96 hours: &gt;100 mg/l, Danio rerio (Zebrafish)</p> <p>Polyglycol ether: LL<sub>50</sub>, 96 hours: &gt;1000 mg/l, Pimephales promelas (Fat-head Minnow) LL<sub>50</sub>, 96 hours: 104 mg/l, Danio rerio (Zebrafish)</p> <p>Calcium bis(dinonylnaftalinsulphonate): LC<sub>50</sub>, 98 hours: &gt;0,28 mg/l, Cyprinus carpio (Common carp)</p> <p>phenol, (tetrapropenyl) derivatives: LL<sub>50</sub>, 96 hours: 40 mg/l, Pimephales promelas (Fat-head Minnow)</p> <p>Supplier's information.</p>
<b>Acute toxicity - aquatic invertebrates</b>	<p>bis(dithiophosphate): EL50, 48 hours: 75 mg/l, Daphnia magna NOEC, 21 days: 0,4 mg/l, Daphnia magna</p> <p>2,6-di-tertiary-butylphenol: LC<sub>50</sub>, 48 hours: 0,45 mg/l, Daphnia magna</p> <p>Bis(nonylphenyl)amine: EL50, 48 hours: &gt;100 mg/l, Daphnia magna</p> <p>Phenol, tetrapropylene-,sulfurized, carbonates, calcium salts, overbased EL50, 48 hours: &gt;1000 mg/l, Daphnia magna</p> <p>Polyglycol ether: EL50, 48 hours: &gt;100 mg/l, Daphnia magna</p> <p>Calcium bis(dinonylnaftalinsulphonate): EC<sub>50</sub>, 48 hours: &gt;0,27 mg/l, Daphnia magna</p> <p>phenol, (tetrapropenyl)derivatives: EL50, 48 hours: 0,037 mg/l, Daphnia magna</p> <p>Supplier's information.</p>



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<b>Acute toxicity - aquatic plants</b>	<p>Zinc bis[O,O-bis(2-ethylhexyl)]bis(dithiophosphate): EL50, 72 hours: 410 mg/l, Desmodesmus subspicatus</p> <p>2,6-di-tertiary-butylphenol: EC<sub>50</sub>, 96 hours: 1,2 mg/l, Pseudokirchneriella subcapitata</p> <p>Bis(nonylphenyl)amine: EL50, 72 hours: &gt;100 mg/l, Desmodesmus subspicatus</p> <p>Phenol, tetrapropylene-,sulfurized, carbonates, calcium salts, overbased: EL50, 96 hours: &gt;500 mg/l, Pseudokirchneriella subcapitata</p> <p>Polyglycol ether: EL50, 96 hours: 326 mg/l, Selenastrum capricornutum</p> <p>Calcium bis(dinonylnaftalinsulphonate): EC<sub>50</sub>, 72 hours: &gt;1,2 mg/l, Pseudokirchneriella subcapitata</p> <p>phenol, (tetrapropenyl) derivatives: EL50, 72 hours: 0,36 mg/l, Desmodesmus subspicatus</p> <p>Supplier's information.</p>
<b>Acute toxicity - microorganisms</b>	<p>Zinc bis[O,O-bis(2-ethylhexyl)]bis(dithiophosphate): EL50, 16 hours: 380 mg/l, Micro-organisms</p> <p>2,6-di-tertiary-butylphenol: EC<sub>50</sub>, 3 hours: &gt;1000 mg/l, Micro-organisms</p> <p>Bis(nonylphenyl)amine: IC<sub>50</sub>, 3 hours: &gt;100 mg/l, Micro-organisms</p> <p>Phenol, tetrapropylene-,sulfurized, carbonates, calcium salts, overbased: EL50, 3 hours: &gt;10000 mg/l, Micro-organisms</p> <p>Polyglycol ether: EL50, 10 minutes: &gt;1000 mg/l, Micro-organisms</p> <p>Calcium bis(dinonylnaftalinsulphonate): EL50, 3 hours: 560 mg/l, Micro-organisms</p> <p>phenol, (tetrapropenyl)derivatives: EL50, 3 hours: &gt;1000 mg/l, Micro-organisms</p> <p>Supplier's information.</p>
<b>Acute toxicity - terrestrial</b>	No information required.
<b>Chronic aquatic toxicity</b>	
<b>Summary</b>	Based on available information, the classification criteria are not met.
<b>Chronic toxicity - fish early life stage</b>	No information required.
<b>Short term toxicity - embryo and sac fry stages</b>	No information required.
<b>Chronic toxicity - aquatic invertebrates</b>	<p>2,6-di-tertiary-butylphenol: NOEC, 21 day: 0,64 mg/l, Daphnia magna</p> <p>Distillates (petroleum),hydrotreated heavy parafinic: NOEL, 21 day: 10 mg/l, Daphnia magna</p> <p>Calcium bis(dinonylnaftalinsulphonate): NOEL, 21 day: 4,6 mg/l, Daphnia magna</p> <p>phenol, (tetrapropenyl) derivatives: NOEL, 21 day: 0,0037 mg/l, Daphnia magna</p>
<b>Toxicity to soil</b>	There is not enough data.
<b>Toxicity to terrestrial plants</b>	There is not enough data.
<b>12.2. Persistence and degradability</b>	



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<b>Persistence and degradability</b>	Not applicable.
<b>Phototransformation</b>	No specific test data are available.
<b>Stability (hydrolysis)</b>	No specific test data are available.
<b>Biodegradation</b>	Not readily biodegradable.
<b>Biological oxygen demand</b>	No specific test data are available.
<b>Chemical oxygen demand</b>	No specific test data are available.
<b>12.3. Bioaccumulative potential</b>	
<b>Bioaccumulative potential</b>	Not applicable.
<b>Partition coefficient</b>	Inconclusive data.
<b>12.4. Mobility in soil</b>	
<b>Mobility</b>	The product is immiscible with water and will spread on the water surface.
<b>Adsorption/desorption coefficient</b>	No specific test data are available.
<b>Henry's law constant</b>	No specific test data are available.
<b>Surface tension</b>	No specific test data are available.
<b>12.5. Results of PBT and vPvB assessment</b>	
<b>Results of PBT and vPvB assessment</b>	Supplier data: This product does not contain PBT and vPvB.
<b>12.6 Endocrine disrupting properties</b>	
<b>Endocrine disrupting properties</b>	This product does not have endocrine disrupting properties.
<b>12.6. Other adverse effects</b>	
<b>Other adverse effects</b>	Not applicable.

#### SECTION 13: Disposal considerations

##### 13.1. Waste treatment methods

<b>General information</b>	The generation of waste should be minimised or avoided wherever possible.
<b>Disposal methods</b>	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
<b>Waste class</b>	The waste code classification is to be carried out according to the European Waste Catalogue (EWC).

#### SECTION 14: Transport information

<b>General</b>	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
<b>Road transport notes</b>	Not classified.
<b>Rail transport notes</b>	Not classified.
<b>Sea transport notes</b>	Not classified.
<b>Air transport notes</b>	Not classified.



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According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.  
Commission Regulation (EU) 2020/878 of 18 June 2020.

### 14.1. UN number

#### UN number or ID number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

No transport warning sign required.

#### Transport labels

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

**Maritime transport in bulk according to IMO instruments** Not applicable.

**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

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

**EU legislation** 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).  
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).

**Guidance** Workplace Exposure Limits EH40.  
CHIP for everyone HSG228.  
Approved Classification and Labelling Guide (Sixth edition) L131.  
Safety Data Sheets for Substances and Preparations.

**Health and environmental listings** Hazardous ingredients are listed.

### 15.2. Chemical safety assessment

Not applicable.



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### SECTION 16: Other information

<b>Abbreviations and acronyms used in the safety data sheet</b>	<p>E.U. : European union  DMSO: Dimethyl sulfoxide  KKE: Personal protective equipment  T.C. : Republic of Turkey  TWA: Workplace exposure limits  UZEM: National Poison Information Center  CAS: Chemical Abstracts Service.  GHS: Globally Harmonized System.  LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.  LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).  PBT: Persistent, Bioaccumulative and Toxic substance.  REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.</p>
<b>Classification abbreviations and acronyms</b>	<p>Asp. Tox. = Aspiration hazard  Skin Corr. = Skin corrosion  Skin Sens. = Skin sensitisation  Skin Irrit. = Skin irritation  Eye Dam. = Serious eye damage  Aquatic Chronic = Hazardous to the aquatic environment (chronic)  Aquatic Acute = Hazardous to the aquatic environment (acute)  Acute Tox. = Acute toxicity  Eye Irrit. = Eye irritation  Repr. = Reproductive toxicity</p>
<b>General information</b>	<p>Only trained personnel should use this material. This document contains important information to ensure the safe storage, handling and use of this product. The information in this document should be brought to the attention of the person in your organisation responsible for advising on safety matters. Uses and Restrictions : This product must not be used in applications other than those recommended in Section 1, without first seeking the advice of the supplier. This product is not to be used as a solvent or cleaning agent; for lighting or brightening fires; as a skin cleanser. Disclaimer : This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.</p>
<b>Key literature references and sources for data</b>	<p>This SDS is prepared based on the information received from raw material suppliers.</p>
<b>Classification procedures according to Regulation (EC) 1272/2008</b>	<p>Not classified for environmental hazards., Not classified for physical hazards., Not classified for health hazards., Supplier information, Calculation method.: Calculation method.</p>
<b>Training advice</b>	<p>Untrained personnel should not use.</p>
<b>Revision comments</b>	<p>Revised classification.</p>
<b>Issued by</b>	<p>Sena Ezgi Selçuk Chemical Assessment Specialist (Certificate No: KDU01.29.06 17.12.2027)</p>
<b>Revision date</b>	<p>29/03/2024</p>
<b>Revision</b>	<p>4</p>
<b>Supersedes date</b>	<p>17/06/2011</p>
<b>SDS number</b>	<p>10402</p>



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According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.  
Commission Regulation (EU) 2020/878 of 18 June 2020.

**SDS status**

Approved.

**Hazard statements in full**

H319 Causes serious eye irritation.

EUH208 Contains Alkoksillenmiş uzun zincirli alkil amin. May produce an allergic reaction.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.