



## SAFETY DATA SHEET TURBIN YAGI 22

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** TURBIN YAGI 22  
**Product number** 21810

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

**Identified uses** Industrial oil  
**Uses advised against** This product must not be used outside of the practices recommended in Section 1 without prior advice from the supplier.

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

**Supplier** PETROL OFİSİ A.Ş.  
Ünalın Mahallesi, Libadiye Caddesi No: 82F Kat: 2-3-4, 34700 Üsküdar/ İstanbul  
Tel: +90 850 339 1919  
Fax: +90 216 275 3854  
madeniyag@petrolofisi.com.tr  
**Contact person** Customer Services: madeniyag@petrolofisi.com.tr

#### 1.4. Emergency telephone number

**Emergency telephone** Madeni Yağ Customer Services: 0850 339 1919 (working hours)  
**National emergency telephone number** Emergency Medical Services: 112 National Poison Consultance Center: 114

### 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** NC Not Classified  
**Precautionary statements** P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P270 Do not eat, drink or smoke when using this product.  
P264 Wash contaminated skin thoroughly after handling.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P401 Store in accordance with national regulations.  
P501 Dispose of contents/ container in accordance with national regulations.

#### 2.3. Other hazards

As supplied, the material does not present a health hazard.





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

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

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

<b>Specific hazards</b>	Not known.
<b>Hazardous combustion products</b>	A complex mixture of airborne solids, liquids and gases can be released. Carbon monoxide (CO). Oxides of sulphur. Unidentified organic or inorganic compounds. Oxides of carbon. Carbon dioxide (CO <sub>2</sub> ).

#### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Avoid breathing fire gases or vapours.
<b>Special protective equipment for firefighters</b>	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

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
<b>For non-emergency personnel</b>	Necessary precautions should be taken to ensure that non-educated personnel do not intervene.
<b>For emergency responders</b>	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

<b>Environmental precautions</b>	Do not discharge into drains or watercourses or onto the ground.
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#### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	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.
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#### 6.4. Reference to other sections

<b>Reference to other sections</b>	For waste disposal, see Section 13. See Section 1 for emergency contact information. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards.
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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

<b>Usage precautions</b>	Avoid spilling. Avoid contact with skin and eyes.
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**Advice on general occupational hygiene** Do not eat, drink or smoke when using this product. Eye wash facilities and emergency shower must be available when handling this product. 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.

**Storage class** Chemical storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

**Usage description** 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.

#### Distillates (petroleum), hydrotreated heavy paraffinic

Oil mist: TWA: 5 mg/m<sup>3</sup> (ACGIH).In no case should this limit be exceeded or the local limit, if it is more restrictive.

**Ingredient comments** Oil Mist TWA: 5 mg /m<sup>3</sup> (ACGIH). Distillates (petroleum) hydrotreated heavy paraffinic: EU OEL (Eu.) TWA: 5 mg/m<sup>3</sup> (8 h.)

**Biological limit values** There is no available data.

**DNEL** There is no available data.

**DMEL** There is no available data.

**PNEC** There is no available data.

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

**Ingredient comments** There is no approximate limit value for this product. Steam, fog or smoke should be controlled to the lowest possible level.

**Biological limit values** No information available.

**DNEL** No information available.

**DMEL** No information available.

**PNEC** No information available.

### 8.2. Exposure controls

#### Protective equipment





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<b>Appropriate engineering controls</b>	Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.
<b>Personal protection</b>	Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.
<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>	Store in a demarcated bunded area to prevent release to drains and/or watercourses.

### SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Liquid.
<b>Colour</b>	Yellow.
<b>Odour</b>	Characteristic.
<b>Odour threshold</b>	No specific test data are available.
<b>pH</b>	Scientifically unjustified.
<b>Melting point</b>	No information available.
<b>Initial boiling point and range</b>	No information available.
<b>Flash point</b>	min. 188°C OC (Open cup).
<b>Evaporation rate</b>	No information available.
<b>Evaporation factor</b>	No information available.
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper/lower flammability or explosive limits</b>	No specific test data are available.
<b>Other flammability</b>	No specific test data are available.
<b>Vapour pressure</b>	No information available.
<b>Vapour density</b>	No information available.
<b>Relative density</b>	No specific test data are available.



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<b>Bulk density</b>	~ 0,86 @15°C g/ml
<b>Solubility(ies)</b>	Insoluble in water.
<b>Partition coefficient</b>	No specific test data are available.
<b>Auto-ignition temperature</b>	No specific test data are available.
<b>Decomposition Temperature</b>	No specific test data are available.
<b>Viscosity</b>	19.8-24.2 cSt @ 40°C
<b>Explosive properties</b>	Not considered to be explosive.
<b>Explosive under the influence of a flame</b>	No suitable data is available.
<b>Oxidising properties</b>	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.
<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 the following materials: Oxidising agents. Reducing agents.

#### 10.5. Incompatible materials

**Materials to avoid** Strong oxidising agents.



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### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Methacrylates. Oil vapors in case of overheating.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

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>	Information given is based on product data, a knowledge of the components and the toxicology of similar products.
<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>	Based on available data the classification criteria are not met.
<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>	Based on available data the classification criteria are not met.
<b>Acute toxicity - inhalation</b>	
<b>Summary</b>	Based on the available data, the classification criteria are not met.
<b>Notes (inhalation LC<sub>50</sub>)</b>	Based on available data the classification criteria are not met.
<b>Skin corrosion/irritation</b>	
<b>Summary</b>	Based on the available data, the classification criteria are not met.
<b>Skin corrosion/irritation</b>	Based on available data the classification criteria are not met.
<b>Animal data</b>	Inconclusive data.
<b>Human skin model test</b>	Inconclusive data.
<b>Extreme pH</b>	Inconclusive data.
<b>Serious eye damage/irritation</b>	
<b>Summary</b>	Based on available data, the classification criteria are not met.
<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>	Inconclusive data.
<b>Skin sensitisation</b>	
<b>Summary</b>	Does not meet the classification criteria.
<b>Skin sensitisation</b>	Inconclusive data.
<b>Germ cell mutagenicity</b>	
<b>Summary</b>	It is not expected to cause genetic damage in the light of current data.



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<b>Genotoxicity - in vitro</b>	Inconclusive data.
<b>Genotoxicity - in vivo</b>	Inconclusive data.
<b>Carcinogenicity</b>	
<b>Summary</b>	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>	Inconclusive data.
<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>	Inconclusive data.
<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>	Inconclusive data.
<b>Target organs</b>	No specific target organs known.
<b>Aspiration hazard</b>	
<b>Summary</b>	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>	Vapour or spray in the eyes may cause irritation and smarting.
<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.





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### 11.2 Information on other hazards

**Information on other hazards** This substance does not have endocrine disrupting properties.

### Toxicological information on ingredients.

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

<b>Other health effects</b>	No information available.
<b>Toxicological effects</b>	No information available.
<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>	Inconclusive data.
<b>Acute toxicity - dermal</b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b>Notes (dermal LD<sub>50</sub>)</b>	Inconclusive data.
<b>Acute toxicity - inhalation</b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b>Notes (inhalation LC<sub>50</sub>)</b>	Inconclusive data.
<b>Skin corrosion/irritation</b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b>Skin corrosion/irritation</b>	Based on available data the classification criteria are not met.
<b>Animal data</b>	Based on available data the classification criteria are not met.
<b>Human skin model test</b>	Based on available data the classification criteria are not met.
<b>Extreme pH</b>	Based on available data the classification criteria are not met.
<b>Serious eye damage/irritation</b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<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.
<b>Respiratory sensitisation</b>	Based on available data the classification criteria are not met.
<b>Skin sensitisation</b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b>Skin sensitisation</b>	Based on available data the classification criteria are not met.
<b>Germ cell mutagenicity</b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b>Genotoxicity - in vitro</b>	Based on available data the classification criteria are not met.



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<b>Genotoxicity - in vivo</b>	Based on available data the classification criteria are not met.
<b>Carcinogenicity</b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<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>IARC carcinogenicity</b>	Based on available data the classification criteria are not met.
<b>NTP carcinogenicity</b>	Not listed.
<b>Reproductive toxicity</b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b>Reproductive toxicity - fertility</b>	Based on available data the classification criteria are not met.
<b>Reproductive toxicity - development</b>	Based on available data the classification criteria are not met.
<b>Specific target organ toxicity - single exposure</b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<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>	Based on available data the classification criteria are not met.
<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.
<b>Aspiration hazard</b>	Based on available data the classification criteria are not met.
<b>Toxicokinetics</b>	None known.
<b>General information</b>	None known.
<b>Inhalation</b>	None known.
<b>Ingestion</b>	None known.
<b>Skin contact</b>	None known.
<b>Eye contact</b>	None known.
<b>Acute and chronic health hazards</b>	None known.
<b>Route of exposure</b>	None known.



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**Target organs** No specific target organs known.

**Medical symptoms** None known.

**Medical considerations** None known.

### Distillates (petroleum), hydrotreated heavy paraffinic

**Acute toxicity - oral**

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> >2000 mg/kg, Oral,

**Acute toxicity - dermal**

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >2000 mg/kg, Dermal,

**Carcinogenicity**

**Summary**

The base oils in the product content contain less than 3% DMSO according to IP 346.

### 2,6-di-terseyer-bütülfenol

**Acute toxicity - oral**

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> >5000 mg/kg, Oral, Rat Potential chronic effects on health: 408 Repeated Dose 90-Day Oral Toxicity Study in Rodents: NOAEL 107 mg/kg, Oral, Rat

**Acute toxicity - dermal**

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >10000 mg/kg, Dermal, Rabbit

**Skin sensitisation**

**Skin sensitisation** Not sensitising.

**Germ cell mutagenicity**

**Genotoxicity - in vitro** Bacterial reverse mutation test: Negative. Chromosome aberration: Negative.

**Reproductive toxicity**

**Reproductive toxicity - fertility** Fertility - Negative., Oral, Rat

**Reproductive toxicity - development**

Developmental toxicity: - : Ambiguous uncertain, Oral, Rat Maternal toxicity: - : Positive., Oral, Rat

### N-1-naftilanilin

**Acute toxicity - oral**

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> 1625 mg/kg, Oral, Rat Potential chronic effects on health: 407 Repeated Dose 28-day Oral Toxicity Study in Rodents Sub-akut, NOAEL 5 mg/kg, Oral, Rat 408 Repeated Dose 90-Day Oral Toxicity Study in Rodents Sub-kronik, NOAEL 5 mg/kg, Oral, Rat

**ATE oral (mg/kg)** 500.0

**Acute toxicity - dermal**

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >2000 mg/kg, Dermal, Rabbit

**Skin corrosion/irritation**

**Skin corrosion/irritation** Not irritating.

**Serious eye damage/irritation**



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<b>Serious eye damage/irritation</b>	Not irritating.
<b>Skin sensitisation</b>	
<b>Skin sensitisation</b>	Sensitising.
<b>Germ cell mutagenicity</b>	
<b>Genotoxicity - in vitro</b>	Bacterial reverse mutation test: Negative. Chromosome aberration: Negative.
<b>Reproductive toxicity</b>	
<b>Reproductive toxicity - development</b>	Teratogenicity: - : Negative., Oral, Rat
<b>Specific target organ toxicity - repeated exposure</b>	
<b>Target organs</b>	Kidneys Blood system

### Bis(nonilfenil)amin

<b>Acute toxicity - oral</b>	
<b>Notes (oral LD<sub>50</sub>)</b>	LD <sub>50</sub> >5000 mg/kg, Oral, Rat LOAEL, Sub-kronik 100 mg/kg, Oral, Rat
<b>Acute toxicity - dermal</b>	
<b>Notes (dermal LD<sub>50</sub>)</b>	LD <sub>50</sub> >2000 mg/kg, Dermal, Rat
<b>Skin corrosion/irritation</b>	
<b>Skin corrosion/irritation</b>	Moderately irritating.
<b>Skin sensitisation</b>	
<b>Skin sensitisation</b>	Not sensitising.
<b>Germ cell mutagenicity</b>	
<b>Genotoxicity - in vitro</b>	Bacterial reverse mutation test: Negative. Chromosome aberration: Negative. Gene mutation: Negative.
<b>Reproductive toxicity</b>	
<b>Reproductive toxicity - development</b>	Teratogenicity: - : Negative., Oral, Rat

### Damıtıklar (petrol), hidrojenle muamele edilmiş ağır parafinik

<b>Acute toxicity - oral</b>	
<b>Notes (oral LD<sub>50</sub>)</b>	LD <sub>50</sub> >5000 mg/kg, Oral, Rat
<b>Acute toxicity - dermal</b>	
<b>Notes (dermal LD<sub>50</sub>)</b>	LD <sub>50</sub> >5000 mg/kg, Dermal, Rabbit
<b>Acute toxicity - inhalation</b>	
<b>Notes (inhalation LC<sub>50</sub>)</b>	LC50 >5,53 mg/l, 4 hour, Vapour Rat
<b>Skin corrosion/irritation</b>	
<b>Skin corrosion/irritation</b>	Not irritating.
<b>Serious eye damage/irritation</b>	



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<b>Serious eye damage/irritation</b>	Not irritating.
<b>Skin sensitisation</b>	
<b>Skin sensitisation</b>	Not sensitising.
<b>Germ cell mutagenicity</b>	
<b>Genotoxicity - in vitro</b>	Bacterial reverse mutation test: Negative. Chromosome aberration: Negative. Gene mutation: Negative. Micronucleus Test: Negative.
<b>Carcinogenicity</b>	
<b>Carcinogenicity</b>	78 week, Negative., Dermal, Mouse
<b>Reproductive toxicity</b>	
<b>Reproductive toxicity - fertility</b>	Fertility - Negative., Oral, Rat
<b>Reproductive toxicity - development</b>	Teratogenicity: - : Negative., Dermal, Rat

### Exchangeable neutral oils

<b>Acute toxicity - oral</b>	
<b>Notes (oral LD<sub>50</sub>)</b>	LD <sub>50</sub> >2000 mg/kg, Oral, Rat
<b>Acute toxicity - dermal</b>	
<b>Notes (dermal LD<sub>50</sub>)</b>	LD <sub>50</sub> >2000 mg/kg, Dermal, Rabbit

### Damıtıklar (petrol), hidrojenle muamele edilmiş hafif parafinik

<b>Acute toxicity - oral</b>	
<b>Notes (oral LD<sub>50</sub>)</b>	LD <sub>50</sub> >5000 mg/kg, Oral, Rat Sub-kronik, NOAEL 125 mg/kg, Oral, Rat
<b>Acute toxicity - dermal</b>	
<b>Notes (dermal LD<sub>50</sub>)</b>	LD <sub>50</sub> >5000 mg/kg, Dermal, Rabbit Sub-kronik, NOAEL 30 mg/kg, Dermal, Rat Sub-akut, NOAEL 1000 mg/kg, Dermal, Rabbit
<b>Acute toxicity - inhalation</b>	
<b>Notes (inhalation LC<sub>50</sub>)</b>	LC50 >5,53 mg/l, 4 hour, Dust/Mist Rat Sub-kronik, NOAEL 0,15 mg/l, 13 week, Dust/Mist Rat Sub-akut, NOAEL 0,22 mg/l, 4 week, Dust/Mist Rat
<b>Skin corrosion/irritation</b>	
<b>Skin corrosion/irritation</b>	Not irritating.
<b>Serious eye damage/irritation</b>	
<b>Serious eye damage/irritation</b>	Not irritating.
<b>Skin sensitisation</b>	
<b>Skin sensitisation</b>	Not sensitising.
<b>Germ cell mutagenicity</b>	
<b>Genotoxicity - in vitro</b>	Bacterial reverse mutation test: Negative. Chromosome aberration: Negative.
<b>Reproductive toxicity</b>	



## TURBIN YAGI 22

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

### Reproductive toxicity - development

Developmental toxicity: - : Negative., Oral, Rat

### Metil-1H-benzotriazol

#### Acute toxicity - oral

##### Notes (oral LD<sub>50</sub>)

LD<sub>50</sub> 720 mg/kg, Oral, Rat Sub-akut, NOAEL 150 mg/kg, Oral, Rat

##### ATE oral (mg/kg)

500.0

#### Acute toxicity - dermal

##### Notes (dermal LD<sub>50</sub>)

LD<sub>50</sub> >2000 mg/kg, Dermal, Rabbit

#### Acute toxicity - inhalation

##### Notes (inhalation LC<sub>50</sub>)

LC50 >1730 mg/m<sup>3</sup>, 1 hour, Vapour Rat

#### Skin corrosion/irritation

##### Skin corrosion/irritation

Not corrosive to skin.

#### Serious eye damage/irritation

##### Serious eye damage/irritation

Not irritating.

#### Skin sensitisation

##### Skin sensitisation

Not sensitising.

#### Germ cell mutagenicity

##### Genotoxicity - in vitro

Bacterial reverse mutation test: Negative. Micronucleus Test: Negative.

#### Reproductive toxicity

### Reproductive toxicity - development

Developmental toxicity: - : Negative., Oral, Rat

### Lubricating oils (petroleum), C15-30, based on hydrogenated neutral oil

#### Acute toxicity - oral

##### Notes (oral LD<sub>50</sub>)

LD<sub>50</sub> >5000 mg/kg, Oral, Rat Sub-kronik, NOAEL 125 mg/kg, Oral, Rat

#### Acute toxicity - dermal

##### Notes (dermal LD<sub>50</sub>)

LD<sub>50</sub> >5000 mg/kg, Dermal, Rabbit Sub-kronik, NOAEL 30 mg/kg, Dermal, Rat Sub-akut, NOAEL 1000 mg/kg, Dermal, Rabbit

#### Acute toxicity - inhalation

##### Notes (inhalation LC<sub>50</sub>)

LC50 >5.53 mg/l, 4 hour, Vapour Rat Sub-akut 0,98 mg/l, 4 week, Vapour Rat Sub-kronik 0,15 mg/l, 13 week, Vapour Rat

#### Skin corrosion/irritation

##### Skin corrosion/irritation

Not irritating.

#### Serious eye damage/irritation

##### Serious eye damage/irritation

Not irritating.

#### Skin sensitisation

##### Skin sensitisation

Not sensitising.



## TURBIN YAGI 22

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

### Germ cell mutagenicity

**Genotoxicity - in vitro** Bacterial reverse mutation test: Negative. Chromosome aberration: Negative.

### Carcinogenicity

**Carcinogenicity** TD 78 Ambiguous uncertain, , Mouse

### Reproductive toxicity

**Reproductive toxicity - development** Developmental toxicity: - : Negative., Dermal, Rat Developmental toxicity: - : Negative., Oral, Rat Teratogenicity: - : Negative., Dermal, Rat

### Aspiration hazard

**Aspiration hazard** Aspiration Hazard

### Difenilamin

### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> 1165 mg/kg, Oral, Rat NOAEL 3 mg/kg, Oral, Rat

**ATE oral (mg/kg)** 100.0

### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >5000 mg/kg, Dermal, Rabbit

**ATE dermal (mg/kg)** 300.0

### Acute toxicity - inhalation

**ATE inhalation (vapours mg/l)** 3.0

### Skin corrosion/irritation

**Skin corrosion/irritation** Not irritating.

### Serious eye damage/irritation

**Serious eye damage/irritation** Slightly irritating.

### Skin sensitisation

**Skin sensitisation** Not sensitising.

### Germ cell mutagenicity

**Genotoxicity - in vitro** Chromosome aberration: Positive. Bacterial reverse mutation test: Negative. Micronucleus Test: Negative.

### Carcinogenicity

**Carcinogenicity** NOAEL Negative., Oral, Mouse

### Reproductive toxicity

**Reproductive toxicity - development** Developmental toxicity: - : Ambiguous uncertain, Oral, Rat

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** STOT RE = Specific target organ toxicity-repeated exposure

## SECTION 12: Ecological information



## TURBIN YAGI 22

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

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

### Ecological information on ingredients.

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

**Ecotoxicity** No information available.

**Distillates (petroleum), hydrotreated heavy paraffinic**

**Ecotoxicity** May be harmful to aquatic organisms. Spills form film layer on water surface and prevent oxygen transfer

### 12.1. Toxicity

**Toxicity** There is not enough data.

#### Acute aquatic toxicity

**Summary** Based on available information, the classification criteria are not met.

**Acute toxicity - fish** Based on available data the classification criteria are not met.

**Acute toxicity - aquatic invertebrates** Based on available data the classification criteria are not met.

**Acute toxicity - aquatic plants** Based on available data the classification criteria are not met.

**Acute toxicity - microorganisms** Based on available data the classification criteria are not met.

**Acute toxicity - terrestrial** No information required.

#### Chronic aquatic toxicity

**Summary** Based on available information, the classification criteria are not met.

**Chronic toxicity - fish early life stage** No information required.

**Short term toxicity - embryo and sac fry stages** No information required.

**Chronic toxicity - aquatic invertebrates** Based on available data the classification criteria are not met.

**Toxicity to soil** There is not enough data.

**Toxicity to terrestrial plants** There is not enough data.

### Ecological information on ingredients.

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

**Toxicity** No information available.

#### Acute aquatic toxicity

**Summary** No information available.

**Acute toxicity - fish** Inconclusive data.

**Acute toxicity - aquatic invertebrates** No information available.





## TURBIN YAGI 22

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

<b>Acute toxicity - aquatic plants</b>	No information available.
<b>Acute toxicity - microorganisms</b>	Not known.
<b>Acute toxicity - terrestrial</b>	No information available.
<b>Chronic aquatic toxicity</b>	
<b>Summary</b>	No information available.
<b>Chronic toxicity - fish early life stage</b>	No information available.
<b>Short term toxicity - embryo and sac fry stages</b>	No information available.
<b>Chronic toxicity - aquatic invertebrates</b>	No information available.
<b>Toxicity to soil</b>	No information available.
<b>Toxicity to terrestrial plants</b>	No information available.

### 2,6-di-terseyer-bütülfenol

<b>Acute aquatic toxicity</b>	
<b>LE(C)<sub>50</sub></b>	0.1 < L(E)C <sub>50</sub> ≤ 1
<b>M factor (Acute)</b>	1
<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hour: 1,4 mg/l, Pimephales promelas (Fat-head Minnow)
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hour: 0,45 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 96 hour: 1,2 mg/l, Algae
<b>Acute toxicity - microorganisms</b>	EC <sub>50</sub> , 3 hour: >1000 mg/l, Micro-organisms
<b>Chronic aquatic toxicity</b>	
<b>M factor (Chronic)</b>	1
<b>Chronic toxicity - aquatic invertebrates</b>	NOEC, 21 day: 0,035 mg/l, Daphnia magna NOEC, 96 hour: 0,64 mg/l, Alg

### N-1-naftilanilin

<b>Acute aquatic toxicity</b>	
<b>LE(C)<sub>50</sub></b>	0.1 < L(E)C <sub>50</sub> ≤ 1
<b>M factor (Acute)</b>	1
<b>Acute toxicity - fish</b>	LL <sub>50</sub> , 96 hour: 0,44 mg/l, Oncorhynchus mykiss (Rainbow trout)
<b>Acute toxicity - aquatic invertebrates</b>	EL <sub>50</sub> , 48 hour: 0,3 mg/l, Daphnia magna



## TURBIN YAGI 22

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

<b>Acute toxicity - aquatic plants</b>	EL50, 96 hour: 0,93 mg/l, Pseudokirchneriella subcapitata
<b>Acute toxicity - microorganisms</b>	EL50, 3 hour: >10000 mg/l, Micro-organisms
<b>Chronic aquatic toxicity</b>	
<b>M factor (Chronic)</b>	1
<b>Chronic toxicity - aquatic invertebrates</b>	NOEL, 21 day: 0,032 mg/l, Daphnia magna

### Bis(nonilfenil)amin

<b>Acute aquatic toxicity</b>	
<b>Acute toxicity - fish</b>	LL <sub>50</sub> , 96 hour: >100 mg/l, Danio rerio (Zebrafish)
<b>Acute toxicity - aquatic invertebrates</b>	EL50, 48 hour: >100 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EL50, 72 hour: 100 mg/l, Desmodium subspicatus
<b>Acute toxicity - microorganisms</b>	IC <sub>50</sub> , 3 hour: >100 mg/l, Micro-organisms
<b>Chronic aquatic toxicity</b>	
<b>Chronic toxicity - aquatic invertebrates</b>	NOEL, 72 hour: >10 mg/l, Alg

### Damıtıklar (petrol), hidrojenle muamele edilmiş hafif parafinik

<b>Acute aquatic toxicity</b>	
<b>Acute toxicity - fish</b>	LL <sub>50</sub> , 96 hour: >100 mg/l, Pimephales promelas (Fat-head Minnow)
<b>Acute toxicity - aquatic invertebrates</b>	EL50, 48 hour: >10000 mg/l, Daphnia magna
<b>Chronic aquatic toxicity</b>	
<b>Chronic toxicity - fish early life stage</b>	NOEL, 14 day: >=1000 mg/l, Oncorhynchus mykiss (Rainbow trout)
<b>Chronic toxicity - aquatic invertebrates</b>	NOEL, 21 day: 10 mg/l, Daphnia magna NOEL, 72 hour: >=100 mg/l, Alg

### Metil-1H-benzotriazol

<b>Acute aquatic toxicity</b>	
<b>Acute toxicity - fish</b>	LL <sub>50</sub> , 96 hours: 180 mg/l, Danio rerio (Zebrafish)
<b>Acute toxicity - aquatic invertebrates</b>	EL50, 48 hour: 8,58 mg/l, Daphnia magna Fresh water
<b>Acute toxicity - aquatic plants</b>	EL50, 72 hour: 75 mg/l, Freshwater algae
<b>Acute toxicity - microorganisms</b>	EL50, 24 hour: 1060 mg/l, Micro-organisms



## TURBIN YAGI 22

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

### Chronic aquatic toxicity

**Chronic toxicity - aquatic invertebrates** EL10, 72 hour: 1,18 mg/l, Alg, Fresh water  
EL10, 21 day: 0,4 mg/l, Daphnia magna

### Lubricating oils (petroleum), C15-30, based on hydrogenated neutral oil

#### Acute aquatic toxicity

**Acute toxicity - fish** LL<sub>50</sub>, 96 hour: >100 mg/l, Pimephales promelas (Fat-head Minnow)

**Acute toxicity - aquatic invertebrates** EL50, 48 hours: >10000 mg/l, Daphnia magna

#### Chronic aquatic toxicity

**Chronic toxicity - fish early life stage** NOEL, 14 day: 1000 mg/l, Oncorhynchus mykiss (Rainbow trout)

**Chronic toxicity - aquatic invertebrates** NOEL, 72 hour: >=100 mg/l, Alg  
NOEL, 21 day: 10 mg/l, Daphnia magna

### Difenilamin

#### Acute aquatic toxicity

**LE(C)<sub>50</sub>** 0.1 < L(E)C50 ≤ 1

**M factor (Acute)** 1

**Acute toxicity - fish** LC<sub>50</sub>, 96 hour: 3,79 mg/l, Pimephales promelas (Fat-head Minnow)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hour: 2 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hour: 0,43 mg/l, Algae

#### Chronic aquatic toxicity

**M factor (Chronic)** 1

**Chronic toxicity - fish early life stage** NOEL, 21 day: 0,625 mg/l, Oryzias latipes (Red killifish)

**Chronic toxicity - aquatic invertebrates** NOEC, 72 hour: 0,027 mg/l, Alg  
NOEL, 21 day: 0,125 mg/l, Daphnia magna

## 12.2. Persistence and degradability

**Persistence and degradability** Based on available information, the classification criteria are not met.

**Phototransformation** No specific test data are available.

**Stability (hydrolysis)** No specific test data are available.

**Biodegradation** No specific test data are available.

**Biological oxygen demand** No specific test data are available.

**Chemical oxygen demand** No specific test data are available.

**Ecological information on ingredients.**



## TURBIN YAGI 22

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

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

<b>Persistence and degradability</b>	It has the ability to accumulate in the soil. May have negative effects on aquatic organisms.
<b>Phototransformation</b>	Inconclusive data.
<b>Stability (hydrolysis)</b>	Inconclusive data.
<b>Biodegradation</b>	Inconclusive data.
<b>Biological oxygen demand</b>	Inconclusive data.
<b>Chemical oxygen demand</b>	Inconclusive data.

### **Distillates (petroleum), hydrotreated heavy paraffinic**

<b>Biodegradation</b>	Not expected to be readily biodegradable.
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### **2,6-di-terciyer-bütülfenol**

<b>Biodegradation</b>	OECD TG 302 C - 12-24: % 28 day Not readily biodegradable.
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### **N-1-naftilanilin**

<b>Biodegradation</b>	OECD 301 C - 0: % 28 day Not readily biodegradable.
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### **Bis(nonilfenil)amin**

<b>Biodegradation</b>	OECD 301 B - 1: % 28 day
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### **Damıtıklar (petrol), hidrojenle muamele edilmiş hafif parafinik**

<b>Biodegradation</b>	OECD 301 F - 31: % 28 day
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### **Metil-1H-benzotriazol**

<b>Biodegradation</b>	OECD 301 F - 4: % 28 day
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### **Lubricating oils (petroleum), C15-30, based on hydrogenated neutral oil**

<b>Biodegradation</b>	OECD 301 F - 31: % 28 day
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### **Difenilamin**

<b>Biodegradation</b>	OECD 301 C - 38: % 28 day OECD 301 D - 26: % 28 day
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### **12.3. Bioaccumulative potential**

**Bioaccumulative potential** No information required.

**Partition coefficient** No specific test data are available.

**Ecological information on ingredients.**



## TURBIN YAGI 22

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

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

**Bioaccumulative potential** Inconclusive data.

**Partition coefficient** Inconclusive data.

**Distillates (petroleum), hydrotreated heavy paraffinic**

**Bioaccumulative potential** Potentially bioaccumulating.

**2,6-di-terciyer-bütülfenol**

**Bioaccumulative potential** log Pow: 4,5,

**N-1-naftilanilin**

**Bioaccumulative potential** log Pow: 4,28, BCF: 1424,

**Bis(nonilfenil)amin**

**Bioaccumulative potential** log Pow: 3,64-7,02, BCF: 1730,

**Difenilamin**

**Bioaccumulative potential** log Pow: 3,5, BCF: 151,36,

### 12.4. Mobility in soil

**Mobility** The product is immiscible with water and will spread on the water surface.

**Adsorption/desorption coefficient** No specific test data are available.

**Henry's law constant** No specific test data are available.

**Surface tension** No specific test data are available.

### Ecological information on ingredients.

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

**Mobility** The product is non-volatile. It has the ability to accumulate in the soil.

**Adsorption/desorption coefficient** Inconclusive data.

**Henry's law constant** Inconclusive data.

**Surface tension** Inconclusive data.

**Distillates (petroleum), hydrotreated heavy paraffinic**

**Mobility** Liquid under most environmental conditions. Floats on water. If spread into ground the groundwater may be polluted.

### 12.5. Results of PBT and vPvB assessment



## TURBIN YAGI 22

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

**Results of PBT and vPvB assessment** No data available.

### 12.6 Endocrine disrupting properties

**Endocrine disrupting properties** This product does not have endocrine disrupting properties.

### Ecological information on ingredients.

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

**Results of PBT and vPvB assessment** Not relevant.

### 12.6. Other adverse effects

**Other adverse effects** This product contains components that have a harmful effect on the aquatic environment.Do not allow to enter into soil, rivers or sewers.

### Ecological information on ingredients.

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

**Other adverse effects** Not known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** The generation of waste should be minimised or avoided wherever possible.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Waste class** The waste code classification is to be carried out according to the European Waste Catalogue (EWC).

## SECTION 14: Transport information

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

**Road transport notes** Not classified.

**Rail transport notes** Not classified.

**Sea transport notes** Not classified.

**Air transport notes** Not classified.

### 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.



## TURBIN YAGI 22

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

### 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

<b>National regulations</b>	T. C. Regulation on the Classification, Labeling and Packaging of Substances and Mixtures No. 28848, dated 11 December 2013, by the Ministry of Environment and Urbanization. T. C. Ministry of Environment and Urbanization Regulation on Safety Data Sheets on Hazardous Substances and Mixtures
<b>EU legislation</b>	Commission Regulation (EU) No 453/2010 of 20 May 2010. Dangerous Preparations Directive 1999/45/EC. Dangerous Substances Directive 67/548/EEC.
<b>Guidance</b>	Safety Data Sheets for Substances and Preparations.
<b>Health and environmental listings</b>	Hazardous ingredients are listed.

### 15.2. Chemical safety assessment

## SECTION 16: Other information



## TURBIN YAGI 22

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

### Abbreviations and acronyms used in the safety data sheet

DMSO: Dimethyl sulfoxide  
E.U. : European union  
KKE: Personal protective equipment  
T.C. : Republic of Turkey  
TWA: Workplace exposure limits  
UZEM: National Poison Information Center  
ATE: Acute Toxicity Estimate.  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
CAS: Chemical Abstracts Service.  
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.  
vPvB: Very Persistent and Very Bioaccumulative.  
NOEC: No Observed Effect Concentration.  
EC<sub>50</sub>: 50% of maximal Effective Concentration.

### General information

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.

### Key literature references and sources for data

This SDS is prepared based on the information received from raw material suppliers. Source: European Chemicals Agency, <http://echa.europa.eu/>

### Classification procedures according to Regulation (EC) 1272/2008

Not classified for health hazards.: Calculation method., Supplier information Not classified for environmental hazards.: Calculation method., Supplier information Not classified for physical hazards.: Calculation method., Supplier information

### Training advice

Untrained personnel should not use.

### Revision comments

Revised classification.

### Issued by

Sena Ezgi Selçuk Chemical Assessment Specialist (Certificate No: KDU01.29.06 17.12.2027)

### Revision date

27/12/2024

### Revision

5

### Supersedes date

17/06/2011

### SDS number

10191

### SDS status

Approved.

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