SAFETY DATA SHEET
TURBIN YAGI 68

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 68

Product number 21822

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.
Ünalan Mahallesi, Libadiye Caddesi No: 82F Kat: 2-3-4, 34700 Üsküdar/ Istanbul
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.
P264 Wash contaminated skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective clothing, gloves, eye and face protection.
P401 Store in accordance with local regulations.
P501 Dispose of contents/ container in accordance with local regulations.

2.3. Other hazards

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

TURBIN YAGI 68

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 3: Composition/information on ingredients

3.2. Mixtures

Distillates (petroleum), hydrotreated heavy paraffinic **95-100%**

CAS number: 64742-54-7 EC number: 265-157-1 REACH registration number: 01-2119484627-25-0033

Classification
Not Classified

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

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

Ingredient notes See Section 8 for occupational exposure limits.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Get medical attention if any discomfort continues.

Inhalation Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion 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.

Skin contact Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

Eye contact 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.

Protection of first aiders First aid personnel should wear appropriate protective equipment during any rescue.

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

General information Treat symptomatically.

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

Notes for the doctor Treat symptomatically.

Specific treatments Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

TURBIN YAGI 68

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

5.2. Special hazards arising from the substance or mixture

Specific hazards	Not known.
Hazardous combustion products	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 (CO2).

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	Do not 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	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.

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	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.

TURBIN YAGI 68

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

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.

Distillates (petroleum), hydrotreated heavy paraffinic

Oil mist: TWA: 5 mg/m3 (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 /m3 (ACGIH). Distillates (petroleum) hydrotreated heavy parafinic: EU OEL (Eu.) TWA: 5 mg/m3 (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.

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 Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.

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.

Hand protection Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures 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.

Respiratory protection No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

Thermal hazards If there is a risk of contact with hot product, all protective equipment worn should be suitable for use with high temperatures.

Environmental exposure controls 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

TURBIN YAGI 68

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

Appearance	Liquid.
Colour	Yellow.
Odour	Characteristic.
Odour threshold	No specific test data are available.
pH	Scientifically unjustified.
Melting point	No information available.
Initial boiling point and range	No information available.
Flash point	min. 200°C OC (Open cup).
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No specific test data are available.
Other flammability	No specific test data are available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	No specific test data are available.
Bulk density	~ 0,887 @15ºC g/ml
Solubility(ies)	Insoluble in water.
Partition coefficient	No specific test data are available.
Auto-ignition temperature	No specific test data are available.
Decomposition Temperature	No specific test data are available.
Viscosity	61.2-74.8 cSt @ 40°C
Explosive properties	Not considered to be explosive.
Explosive under the influence of a flame	No suitable data is available.
Oxidising properties	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.
Comments	Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.
Particle characteristic	Not applicable.

9.2. Other information

Other information	No information required.
Refractive index	No information available.
Particle size	No information available.

TURBIN YAGI 68

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

Molecular weight	No information available.
Volatility	No information available.
Saturation concentration	No information available.
Critical temperature	No information available.
Volatile organic compound	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.

10.6. Hazardous decomposition products

Hazardous decomposition products Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2). 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

Other health effects No relevant information available.

Toxicological effects Information given is based on product data, a knowledge of the components and the toxicology of similar products.

Acute toxicity - oral

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

Notes (oral LD_{50}) Based on available data the classification criteria are not met.

Acute toxicity - dermal

Summary Based on the available data, the classiication criteria are not met.

Notes (dermal LD_{50}) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Summary Basen on the available data, the classification criteria are not met.

TURBIN YAGI 68

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

Notes (inhalation LC_{50})	Based on available data the classification criteria are not met.
Skin corrosion/irritation	
Summary	Basen on the available data, the classification criteria are not met.
Skin corrosion/irritation	Based on available data the classification criteria are not met.
Animal data	Inconclusive data.
Human skin model test	Inconclusive data.
Extreme pH	Inconclusive data.
Serious eye damage/irritation	
Summary	Based on available data, the classification criteria are not met.
Serious eye damage/irritation	Based on available data the classification criteria are not met.
Respiratory sensitisation	
Summary	Based on available data, the classification criteria are not met. Mist may cause slight irritation if inhaled.
Respiratory sensitisation	Inconclusive data.
Skin sensitisation	
Summary	Does not meet the classification criteria.
Skin sensitisation	Inconclusive data.
Germ cell mutagenicity	
Summary	It is not expected to cause genetic damage in the light of current data.
Genotoxicity - in vitro	Inconclusive data.
Genotoxicity - in vivo	Inconclusive data.
Carcinogenicity	
Summary	The base oils in the product content contain less than 3% DMSO according to IP 346.
Carcinogenicity	Based on available data the classification criteria are not met.
Target organ for carcinogenicity	No specific target organs known.
Reproductive toxicity	
Summary	There is no test data indicating that this product has a toxic effect on the reproductive system.
Reproductive toxicity - fertility	Inconclusive data.
Reproductive toxicity - development	No information is required.
Specific target organ toxicity - single exposure	
Summary	There is no available data.
STOT - single exposure	Inconclusive data.
Target organs	No specific target organs known.
Specific target organ toxicity - repeated exposure	
Summary	There is no available data.
STOT - repeated exposure	Inconclusive data.

TURBIN YAGI 68

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

Target organs	No specific target organs known.
Aspiration hazard	
Summary	Slight irritation of the respiratory tract may occur, if mists are inhaled.
Aspiration hazard	Based on available data, the classification criteria are not met.
Toxicokinetics	No information is required.
General information	Information given is based on data of the components and of similar products.
Inhalation	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.
Skin contact	Liquid may irritate skin.
Eye contact	Vapour or spray in the eyes may cause irritation and smarting.
Acute and chronic health hazards	There is not enough data.
Route of exposure	There is no available data.
Target organs	No specific target organs known.
Medical symptoms	No specific tes data are available.
Medical considerations	No specific tes data are available.
11.2 Information on other hazards	
Information on other hazards	This substance does not have endocrine disrupting properties.

Toxicological information on ingredients.

Distillates (petroleum), hydrotreated heavy paraffinic

Acute toxicity - oral	
Notes (oral LD_{50})	LD_{50} >2000 mg/kg, Oral,
Acute toxicity - dermal	
Notes (dermal LD_{50})	LD_{50} >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-tersiyer-bütilfenol

Acute toxicity - oral	
Notes (oral LD_{50})	LD_{50} >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_{50})	LD_{50} >10000 mg/kg, Dermal, Rabbit
Skin sensitisation	
Skin sensitisation	Not sensitising.

TURBIN YAGI 68

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.
Reproductive toxicity	
Reproductive toxicity - fertility	Fertility - Negative., Oral, Rat
Reproductive toxicity - development	Developmental toxicity: - : Ambiguous uncertain, Oral, Rat Maternal toxicity: - : Positive., Oral, Rat

Bis(nonilfenil)amin

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

N-1-naftilanilin

Acute toxicity - oral	
Notes (oral LD_{50})	LD_{50} 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_{50})	LD_{50} >2000 mg/kg, Dermal, Rabbit
Skin corrosion/irritation	
Skin corrosion/irritation	Not irritating.
Serious eye damage/irritation	
Serious eye damage/irritation	Not irritating.
Skin sensitisation	
Skin sensitisation	Sensitising.
Germ cell mutagenicity	

TURBIN YAGI 68

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

Genotoxicity - in vitro	Bacterial reverse mutation test: Negative. Chromosome aberration: Negative.
Reproductive toxicity	
Reproductive toxicity - development	Teratogenicity: - : Negative., Oral, Rat
Specific target organ toxicity - repeated exposure	
Target organs	Kidneys Blood system

Exchangeable neutral oils

Acute toxicity - oral	
Notes (oral LD_{50})	LD_{50} >2000 mg/kg, Oral, Rat
Acute toxicity - dermal	
Notes (dermal LD_{50})	LD_{50} >2000 mg/kg, Dermal, Rabbit

Damıtıklar (petrol), hidrojenle muamele edilmiş ağır parafinik

Acute toxicity - oral	
Notes (oral LD_{50})	LD_{50} >5000 mg/kg, Oral, Rat
Acute toxicity - dermal	
Notes (dermal LD_{50})	LD_{50} >5000 mg/kg, Dermal, Rabbit
Acute toxicity - inhalation	
Notes (inhalation LC_{50})	LC50 >5,53 mg/l, 4 hour, 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.
Germ cell mutagenicity	
Genotoxicity - in vitro	Bacterial reverse mutation test: Negative. Chromosome aberration: Negative. Gene mutation: Negative. Micronucleus Test: Negative.
Carcinogenicity	
Carcinogenicity	78 week, Negative., Dermal, Mouse
Reproductive toxicity	
Reproductive toxicity - fertility	Fertility - Negative., Oral, Rat
Reproductive toxicity - development	Teratogenicity: - : Negative., Dermal, Rat

Fuelsi diesel

Carcinogenicity	

TURBIN YAGI 68

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

Carcinogenicity	Known or suspected carcinogen for humans.
	Damıtıklar (petrol), hidrojenle muamele edilmiş hafif parafinik
Acute toxicity - oral	
Notes (oral LD_{50})	LD_{50} >5000 mg/kg, Oral, Rat Sub-kronik, NOAEL 125 mg/kg, Oral, Rat
Acute toxicity - dermal	
Notes (dermal LD_{50})	LD_{50} >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_{50})	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
Skin corrosion/irritation	
Skin corrosion/irritation	Not irritating.
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. Chromosome aberration: Negative.
Reproductive toxicity	
Reproductive toxicity - development	Developmental toxicity: - : Negative., Oral, Rat
	Metil-1H-benzotriazol
Acute toxicity - oral	
Notes (oral LD_{50})	LD_{50} 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_{50})	LD_{50} >2000 mg/kg, Dermal, Rabbit
Acute toxicity - inhalation	
Notes (inhalation LC_{50})	LC50 >1730 mg/m³, 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.

TURBIN YAGI 68

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. 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_{50})	LD_{50} >5000 mg/kg, Oral, Rat Sub-kronik, NOAEL 125 mg/kg, Oral, Rat
Acute toxicity - dermal	
Notes (dermal LD_{50})	LD_{50} >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_{50})	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.
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_{50})	LD_{50} 1165 mg/kg, Oral, Rat NOAEL 3 mg/kg, Oral, Rat
ATE oral (mg/kg)	100.0
Acute toxicity - dermal	
Notes (dermal LD_{50})	LD_{50} >5000 mg/kg, Dermal, Rabbit
ATE dermal (mg/kg)	300.0

TURBIN YAGI 68

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

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

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

Ecological information on ingredients.

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

TURBIN YAGI 68

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

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.

2,6-di-tersiyer-bütilfenol

Acute aquatic toxicity	
LE(C)$_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC_{50}, 96 hour: 1,4 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hour: 0,45 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, 96 hour: 1,2 mg/l, Algae
Acute toxicity - microorganisms	EC_{50}, 3 hour: >1000 mg/l, Micro-organisms
Chronic aquatic toxicity	
M factor (Chronic)	1
Chronic toxicity - aquatic invertebrates	NOEC, 21 day: 0,035 mg/l, Daphnia magna NOEC, 96 hour: 0,64 mg/l, Alg

Bis(nonilfenil)amin

Acute aquatic toxicity	
Acute toxicity - fish	LL_{50}, 96 hour: >100 mg/l, Danio rerio (Zebrafish)
Acute toxicity - aquatic invertebrates	EL50, 48 hour: >100 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EL50, 72 hour: 100 mg/l, Desmodesmus subspicatus
Acute toxicity - microorganisms	IC_{50}, 3 hour: >100 mg/l, Micro-organisms
Chronic aquatic toxicity	
Chronic toxicity - aquatic invertebrates	NOEL, 72 hour: >10 mg/l, Alg

N-1-naftilanilin

TURBIN YAGI 68

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Acute aquatic toxicity	
$LE(C)_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LL_{50}, 96 hour: 0,44 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EL50, 48 hour: 0,3 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EL50, 96 hour: 0,93 mg/l, Pseudokirchneriella subcapitata
Acute toxicity - microorganisms	EL50, 3 hour: >10000 mg/l, Micro-organisms
Chronic aquatic toxicity	
M factor (Chronic)	1
Chronic toxicity - aquatic invertebrates	NOEL, 21 day: 0,032 mg/l, Daphnia magna

Damıtıklar (petrol), hidrojenle muamele edilmiş hafif parafinik

Acute aquatic toxicity	
Acute toxicity - fish	LL_{50}, 96 hour: >100 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EL50, 48 hour: >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, 21 day: 10 mg/l, Daphnia magna NOEL, 72 hour: >=100 mg/l, Alg

Metil-1H-benzotriazol

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

TURBIN YAGI 68

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

Acute toxicity - fish	LL_{50}, 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)$_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC_{50}, 96 hour: 3,79 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hour: 2 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, 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.

Distillates (petroleum), hydrotreated heavy paraffinic

Biodegradation	Not expected to be readily biodegradable.

2,6-di-tersiyer-bütilfenol

Biodegradation	OECD TG 302 C - 12-24: % 28 day Not readily biodegradable.

TURBIN YAGI 68

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

Bis(nonilfenil)amin

Biodegradation	OECD 301 B - 1: % 28 day

N-1-naftilanilin

Biodegradation	OECD 301 C - 0: % 28 day Not readily biodegradable.

Damıtıklar (petrol), hidrojenle muamele edilmiş hafif parafinik

Biodegradation	OECD 301 F - 31: % 28 day

Metil-1H-benzotriazol

Biodegradation	OECD 301 F - 4: % 28 day

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

Biodegradation	OECD 301 F - 31: % 28 day

Difenilamin

Biodegradation	OECD 301 C - 38: % 28 day OECD 301 D - 26: % 28 day

12.3. Bioaccumulative potential

Bioaccumulative potential	No information required.
Partition coefficient	No specific test data are available.

Ecological information on ingredients.

Distillates (petroleum), hydrotreated heavy paraffinic

Bioaccumulative potential	Potentially bioaccumulating.

2,6-di-tersiyer-bütilfenol

Bioaccumulative potential	log Pow: 4,5,

Bis(nonilfenil)amin

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

N-1-naftilanilin

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

Difenilamin

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

12.4. Mobility in soil

TURBIN YAGI 68

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

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.

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

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.

Fuelsi diesel

Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.

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.

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

TURBIN YAGI 68

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

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	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
EU legislation	Commission Regulation (EU) No 453/2010 of 20 May 2010. Dangerous Preparations Directive 1999/45/EC. Dangerous Substances Directive 67/548/EEC.
Guidance	Safety Data Sheets for Substances and Preparations.
Health and environmental listings	Hazardous ingredients are listed.

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15.2. Chemical safety assessment

SECTION 16: Other information

TURBIN YAGI 68

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 aquipment 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_{50}: Lethal Concentration to 50 % of a test population. LD_{50}: 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_{50}: 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	13/01/2025
Revision	5
Supersedes date	17/06/2011
SDS number	10194
SDS status	Approved.