

SAFETY DATA SHEET



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

1.1 Product identifier

Product name	Castrol Magnatec 5W-40 C3
Product code	465127-TR01
SDS #	465127
Original preparation date	27/04/2012
Product type	Liquid.

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

Use of the substance/ mixture	Automotive engine crankcase lubricant. For specific application advice see appropriate Technical Data Sheet or consult our company representative.
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1.3 Details of the supplier of the safety data sheet

Supplier	Castrol Madeni Yağlar Ticaret A.Ş. İçerenköy Mah. Değirmen Yolu Cad. Mengerler Blok No: 28/1 İç Kapı No: 12 Ataşehir/İstanbul
E-mail address	MSDSadvice@bp.com

1.4 Emergency telephone number

EMERGENCY TELEPHONE NUMBER	CASTROL DIRECT 0212 473 77 37 Carechem: +44 (0) 1235 239 670 (24/7) Ministry of Health National Poison Information Centre: 114 (24 hours)
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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to regulation SEA: RG.-10/12/2020-31330

Not classified.

The product is not classified as hazardous according to Regulation SEA: RG.-10/12/2020-31330.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Signal word	No signal word.
Hazard statements	No known significant effects or critical hazards.
<u>Precautionary statements</u>	
Prevention	Not applicable.
Response	Not applicable.
Storage	Not applicable.
Disposal	Not applicable.
Supplemental label elements	☒ Contains Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salts and Alkyl (C18-C28) toluenesulfonic acid, calcium salts, borated. May produce an allergic reaction. Safety data sheet available on request.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Not applicable.
<u>Special packaging requirements</u>	

SECTION 2: Hazards identification

Containers to be fitted with child-resistant fastenings Not applicable.

Tactile warning of danger Not applicable.

2.3 Other hazards**Product meets the criteria for PBT or vPvB**

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other hazards which do not result in classification

Defatting to the skin.

USED ENGINE OILS

Used engine oil may contain hazardous components which have the potential to cause skin cancer.

See Toxicological Information, section 11 of this Safety Data Sheet.

SECTION 3: Composition/information on ingredients**3.2 Mixtures**

Mixture

Highly refined base oil (IP 346 DMSO extract < 3%). Proprietary performance additives.

Product/ingredient name	Identifiers	%	SEA: RG.-10/12/2020-31330	Type
Distillates (petroleum), hydrotreated heavy paraffinic	CAS: 64742-54-7 EC: 265-157-1 Index: 649-467-00-8	≥25 - ≤50	Asp. Tox. 1, H304	[1] [2]
Distillates (petroleum), hydrotreated heavy paraffinic	CAS: 64742-54-7 EC: 265-157-1 Index: 649-467-00-8	≥25 - ≤50	Not classified.	[2]
Distillates (petroleum), solvent-dewaxed heavy paraffinic	CAS: 64742-65-0 EC: 265-169-7 Index: 649-474-00-6	≤10	Not classified.	[2]
Distillates (petroleum), hydrotreated light paraffinic	CAS: 64742-55-8 EC: 265-158-7 Index: 649-468-00-3	≤10	Not classified.	[2]
Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salts	CAS: 722503-68-6	≤1	Skin Sens. 1B, H317	[1]
Alkyl (C18-C28) toluenesulfonic acid, calcium salts, borated	-	≤1	Skin Sens. 1B, H317 Repr. 2, H361d	[1]

See Section 16 for the full text of the H statements declared above.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures**4.1 Description of first aid measures****Inhalation**

Inhaled, remove to fresh air. Get medical attention if symptoms occur.

Ingestion

Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Skin contact

Wash skin thoroughly with soap and water or use recognised skin cleanser. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur. If skin irritation or rash occurs: Get medical advice/attention.

Eye contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Check for and remove any contact lenses. Get medical attention.

Protection of first-aiders

No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

SECTION 4: First aid measures

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician Treatment should in general be symptomatic and directed to relieving any effects.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media In case of fire, use foam, dry chemical or carbon dioxide extinguisher or spray.

Unsuitable extinguishing media Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous combustion products Combustion products may include the following:
carbon oxides (CO, CO₂) (carbon monoxide, carbon dioxide)

5.3 Advice for firefighters

Special precautions for fire-fighters No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.

Special protective equipment for fire-fighters Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. Floors may be slippery; use care to avoid falling.

For emergency responders If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and material for containment and cleaning up

Small spill Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

6.4 Reference to other sections

See Section 1 for emergency contact information.
See Section 5 for firefighting measures.
See Section 8 for information on appropriate personal protective equipment.
See Section 12 for environmental precautions.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures Put on appropriate personal protective equipment (see Section 8).

SECTION 7: Handling and storage**Advice on general occupational hygiene**

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. Contaminated work clothing should not be allowed out of the workplace. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Store and use only in equipment/containers designed for use with this product. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Not suitable

Prolonged exposure to elevated temperature.

7.3 Specific end use(s)**Recommendations**

Not available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational exposure limits**

Product/ingredient name	Exposure limit values
Distillates (petroleum), hydrotreated heavy paraffinic	ACGIH TLV (United States) [Mineral Oil, pure, highly and severely refined] A4. TWA 8 hours: 5 mg/m ³ . Form: Inhalable fraction. Issued/Revised: 11/2009.
Distillates (petroleum), hydrotreated heavy paraffinic	ACGIH TLV (United States) [Mineral Oil, pure, highly and severely refined] A4. TWA 8 hours: 5 mg/m ³ . Form: Inhalable fraction. Issued/Revised: 11/2009.
Distillates (petroleum), solvent-dewaxed heavy paraffinic	ACGIH TLV (United States) [Mineral Oil, pure, highly and severely refined] A4. TWA 8 hours: 5 mg/m ³ . Form: Inhalable fraction. Issued/Revised: 11/2009.
Distillates (petroleum), hydrotreated light paraffinic	ACGIH TLV (United States) [Mineral Oil, pure, highly and severely refined] A4. TWA 8 hours: 5 mg/m ³ . Form: Inhalable fraction. Issued/Revised: 11/2009.

Whilst specific OELs for certain components may be shown in this section, other components may be present in any mist, vapour or dust produced. Therefore, the specific OELs may not be applicable to the product as a whole and are provided for guidance only.

Biological exposure indices

No exposure indices known.

Recommended monitoring procedures

Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

Not available.

PNECs

Not available.

8.2 Exposure controls

SECTION 8: Exposure controls/personal protection**Appropriate engineering controls**

All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Personal protective equipment should only be considered after other forms of control measures (e.g. engineering controls) have been suitably evaluated. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained.

Your supplier of personal protective equipment should be consulted for advice on selection and appropriate standards. For further information contact your national organisation for standards. Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits.

The final choice of protective equipment will depend upon a risk assessment. It is important to ensure that all items of personal protective equipment are compatible.

Individual protection measures**Hygiene measures**

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

The correct choice of respiratory protection depends upon the chemicals being handled, the conditions of work and use, and the condition of the respiratory equipment. Safety procedures should be developed for each intended application. Respiratory protection equipment should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

Eye/face protection

Safety glasses with side shields.

Skin protection**Hand protection**

Wear protective gloves if prolonged or repeated contact is likely. Wear chemical resistant gloves. Recommended: Nitrile gloves. The correct choice of protective gloves depends upon the chemicals being handled, the conditions of work and use, and the condition of the gloves (even the best chemically resistant glove will break down after repeated chemical exposures). Most gloves provide only a short time of protection before they must be discarded and replaced. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Gloves should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

Skin and body

Use of protective clothing is good industrial practice.

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Cotton or polyester/cotton overalls will only provide protection against light superficial contamination that will not soak through to the skin. Overalls should be laundered on a regular basis. When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons and/or impervious chemical suits and boots will be required.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties**Appearance****Physical state**

Liquid.

Colour

Amber.

Odour

Not available.

Odour threshold

Not available.

pH

Not applicable.

Melting point/freezing point

Not available.

Initial boiling point and boiling range

Not available.

Pour point

-42 °C

Flash point

Open cup: >210°C (>410°F) [Cleveland ASTM D 92]

Evaporation rate

Not available.

Flammability

SECTION 9: Physical and chemical properties

Upper/lower flammability or explosive limits

Not available.

Vapour pressure

Ingredient name	Vapour Pressure at 20°C			Vapour pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
Distillates (petroleum), hydrotreated heavy paraffinic	<0.07501	<0.01	ASTM D 5191			
Distillates (petroleum), hydrotreated heavy paraffinic	<0.07501	<0.01	ASTM D 5191			
Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated	<0.0041	<0.00055	ASTM E 1194-87			
Distillates (petroleum), solvent-dewaxed heavy paraffinic	<0.07501	<0.01	ASTM D 5191			
Distillates (petroleum), hydrotreated light paraffinic	<0.07501	<0.01	ASTM D 5191			

Vapour density

Not available.

Relative density

Not available.

Density

<1000 kg/m³ (<1 g/cm³) at 15°C

Solubility(ies)

Media	Result
water	Not soluble

Partition coefficient: n-octanol/water

Not applicable.

Auto-ignition temperature

Ingredient name	°C	°F	Method
Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated	343 to 369	649.4 to 696.2	ASTM D 2159

Decomposition temperature

Not available.

Viscosity

Kinematic: 90.5 mm²/s (90.5 cSt) at 40°C
 Kinematic: 14.6 to 16.2 mm²/s (14.6 to 16.2 cSt) at 100°C (ASTM D 445)

Explosive properties

Not available.

Oxidising properties

Not available.

Particle characteristics

Median particle size

Not applicable.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity**10.1 Reactivity**

No specific test data available for this product. Refer to Conditions to avoid and Incompatible materials for additional information.

10.2 Chemical stability

The product is stable.

10.3 Possibility of hazardous reactions

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

10.4 Conditions to avoid

Avoid all possible sources of ignition (spark or flame).

10.5 Incompatible materials

Reactive or incompatible with the following materials: oxidising materials.

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name

Distillates (petroleum), hydrotreated heavy paraffinic

Result

Rat - Oral - LD50

>5000 mg/kg
OECD 401

-

Rabbit - Dermal - LD50

>5000 mg/kg
OECD 402

-

Rat - Inhalation - LC50 Dusts and mists

>5 mg/l [4 hours]
OECD 403

Distillates (petroleum), hydrotreated heavy paraffinic

Rat - Oral - LD50

>5000 mg/kg
OECD 401

-

Rabbit - Dermal - LD50

>5000 mg/kg
OECD 402

-

Rat - Inhalation - LC50 Dusts and mists

>5 mg/l [4 hours]
OECD 403

Distillates (petroleum), solvent-dewaxed heavy paraffinic

Rat - Oral - LD50

>5000 mg/kg
OECD 401

-

Rat - Dermal - LD50

>2000 mg/kg
OECD 402

-

Rat - Inhalation - LC50 Dusts and mists

>5.53 mg/l [4 hours]
OECD 403

Distillates (petroleum), hydrotreated light paraffinic

Rat - Oral - LD50

>5000 mg/kg
OECD 401

-

Rabbit - Dermal - LD50

>5000 mg/kg
OECD 402

-

Rat - Inhalation - LC50 Dusts and mists

>5.53 mg/l [4 hours]
OECD 403

Acute toxicity estimates

N/A

Skin corrosion/irritation

Product/ingredient name

Distillates (petroleum), hydrotreated heavy paraffinic

Result

Rabbit - Skin - Mild irritant

OECD 404

Distillates (petroleum), hydrotreated heavy paraffinic

Rabbit - Skin - Mild irritant

OECD 404

Distillates (petroleum), solvent-dewaxed heavy paraffinic

Rabbit - Skin - Non-irritant to skin.

Distillates (petroleum), hydrotreated light paraffinic

Rabbit - Skin - Non-irritant to skin.

SECTION 11: Toxicological information

Serious eye damage/eye irritation

Product/ingredient name

Distillates (petroleum), hydrotreated heavy paraffinic

Distillates (petroleum), hydrotreated heavy paraffinic

Distillates (petroleum), solvent-dewaxed heavy paraffinic

Distillates (petroleum), hydrotreated light paraffinic

Result

Rabbit - Eyes - Non-irritating to the eyes.
OECD 405

Rabbit - Eyes - Non-irritating to the eyes.
OECD 405

Rabbit - Eyes - Non-irritating to the eyes.
OECD 405

Rabbit - Eyes - Non-irritating to the eyes.
OECD 405

Respiratory corrosion/irritation

Not available.

Respiratory or skin sensitization

Product/ingredient name

Distillates (petroleum), hydrotreated heavy paraffinic

Distillates (petroleum), hydrotreated heavy paraffinic

Distillates (petroleum), solvent-dewaxed heavy paraffinic

Distillates (petroleum), hydrotreated light paraffinic

Result

Guinea pig - skin
OECD 406
Result: Not sensitising

Guinea pig - skin
OECD 406
Result: Not sensitising

Guinea pig - skin
OECD 406
Result: Not sensitising

Guinea pig - skin
OECD 406
Result: Not sensitising

Germ cell mutagenicity

Product/ingredient name

Distillates (petroleum), hydrotreated heavy paraffinic

-

-

-

Distillates (petroleum), hydrotreated heavy paraffinic

-

-

Result

In vitro - Bacteria
Bacterial Reverse Mutation Test
Result: Negative

In vitro - Mammal - species unspecified
In vitro Mammalian Chromosomal Aberration Test
Result: Negative

In vivo - Mammal - species unspecified
Mammalian Erythrocyte Micronucleus Test
Result: Negative

In vitro - Mammal - species unspecified
In vitro Mammalian Cell Gene Mutation Test
Result: Negative

In vitro - Bacteria
Bacterial Reverse Mutation Test
Result: Negative

In vitro - Mammal - species unspecified
In vitro Mammalian Chromosomal Aberration Test
Result: Negative

In vivo - Mammal - species unspecified
Mammalian Erythrocyte Micronucleus Test

SECTION 11: Toxicological information

Result: Negative

-	In vitro - Mammal - species unspecified In vitro Mammalian Cell Gene Mutation Test <u>Result:</u> Negative
Distillates (petroleum), solvent-dewaxed heavy paraffinic	In vitro - Bacteria OECD [Bacterial Reverse Mutation Test] <u>Result:</u> Negative
-	In vitro - Mammal - species unspecified OECD [In vitro Mammalian Chromosomal Aberration Test] <u>Result:</u> Negative
Distillates (petroleum), hydrotreated light paraffinic	In vitro - Bacteria OECD [Bacterial Reverse Mutation Test] <u>Result:</u> Negative
-	In vitro - Mammal - species unspecified OECD [In vitro Mammalian Chromosomal Aberration Test] <u>Result:</u> Negative

Carcinogenicity

Product/ingredient name

Distillates (petroleum), hydrotreated heavy paraffinic

Result

Mouse - Dermal - Unspecified

OECD 451
Result: Negative

Distillates (petroleum), hydrotreated heavy paraffinic

Mouse - Dermal - Unspecified

OECD 451
Result: Negative

Distillates (petroleum), solvent-dewaxed heavy paraffinic

Mouse - Dermal - Unspecified

OECD 451
Result: Negative

Reproductive toxicity

Product/ingredient name

Distillates (petroleum), hydrotreated heavy paraffinic

Result

Mouse - Dermal - Unspecified

OECD 451
Result: Negative

Distillates (petroleum), hydrotreated heavy paraffinic

Mouse - Dermal - Unspecified

OECD 451
Result: Negative

Distillates (petroleum), solvent-dewaxed heavy paraffinic

Mouse - Dermal - Unspecified

OECD 451
Result: Negative

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Product/ingredient name

Distillates (petroleum), hydrotreated heavy paraffinic

Result

ASPIRATION HAZARD - Category 1

Information on likely routes of exposure

Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

SECTION 11: Toxicological information**Potential acute health effects**

Inhalation	✓ Vapour inhalation under ambient conditions is not normally a problem due to low vapour pressure.
Ingestion	No known significant effects or critical hazards.
Skin contact	Defatting to the skin. May cause skin dryness and irritation.
Eye contact	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation	No specific data.
Ingestion	No specific data.
Skin contact	Adverse symptoms may include the following: irritation dryness cracking
Eye contact	No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Inhalation	Overexposure to the inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.
Ingestion	Ingestion of large quantities may cause nausea and diarrhoea.
Skin contact	Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis.
Eye contact	Potential risk of transient stinging or redness if accidental eye contact occurs.

Potential chronic health effects

General	USED ENGINE OILS Combustion products resulting from the operation of internal combustion engines contaminate engine oils during use. Used engine oil may contain hazardous components which have the potential to cause skin cancer. Frequent or prolonged contact with all types and makes of used engine oil must therefore be avoided and a high standard of personal hygiene maintained.
Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Developmental effects	No known significant effects or critical hazards.
Fertility effects	No known significant effects or critical hazards.

SECTION 12: Ecological information**12.1 Toxicity**

Product/ingredient name	Result
Distillates (petroleum), hydrotreated heavy paraffinic	Acute - EL50 OECD 201 Algae >100 mg/l [72 hours]
-	Acute - EL50 OECD 202 Daphnia >10000 mg/l [48 hours]
-	Acute - LL50 OECD 203 Fish >100 mg/l [96 hours]
-	Chronic - NOEL OECD 201 Algae ≥100 mg/l [72 hours]
-	Chronic - NOEL OECD 211 Daphnia 10 mg/l [21 days]
Distillates (petroleum), hydrotreated heavy paraffinic	Acute - EL50 OECD 201 Algae >100 mg/l [72 hours]

SECTION 12: Ecological information

-	Acute - EL50 OECD 202 Daphnia >10000 mg/l [48 hours]
-	Acute - LL50 OECD 203 Fish >100 mg/l [96 hours]
-	Chronic - NOEL OECD 201 Algae ≥100 mg/l [72 hours]
-	Chronic - NOEL OECD 211 Daphnia 10 mg/l [21 days]
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Acute - EL50 OECD 201 Algae >100 mg/l [72 hours]
-	Acute - EL50 OECD 202 Daphnia >10000 mg/l [48 hours]
-	Acute - LL50 OECD 203 Fish >100 mg/l [96 hours]
-	Chronic - NOEL OECD 201 Algae ≥100 mg/l [72 hours]
-	Chronic - NOEL OECD 211 Daphnia 10 mg/l [21 days]
Distillates (petroleum), hydrotreated light paraffinic	Acute - EL50 OECD 201 Algae >100 mg/l [72 hours]
-	Acute - EL50 OECD 202 Daphnia >10000 mg/l [48 hours]
-	Acute - LL50 OECD 203 Fish >100 mg/l [96 hours]
-	Chronic - NOEL OECD 201 Algae ≥100 mg/l [72 hours]
-	Chronic - NOEL OECD 211 Daphnia 10 mg/l [21 days]

SECTION 12: Ecological information

12.2 Persistence and degradability

Not expected to be rapidly degradable.

Product/ingredient name

Result

Distillates (petroleum), hydrotreated heavy paraffinic

OECD 301F
31% [28 days] - Not readily

Distillates (petroleum), hydrotreated heavy paraffinic

OECD 301F
31% [28 days] - Not readily

Distillates (petroleum), solvent-dewaxed heavy paraffinic

OECD 301F
31% [28 days] - Not readily

Distillates (petroleum), hydrotreated light paraffinic

OECD 301F
31% [28 days] - Not readily

12.3 Bioaccumulative potential

This product is not expected to bioaccumulate through food chains in the environment.

Not available.

12.4 Mobility in soil

Soil/water partition coefficient

Not available.

Mobility

Spillages may penetrate the soil causing ground water contamination.

12.5 Results of PBT and vPvB assessment

Product/ingredient name	PBT	P	B	T	vPvB	vP	vB
Distillates (petroleum), hydrotreated heavy paraffinic	No	N/A	N/A	No	N/A	N/A	N/A
Distillates (petroleum), hydrotreated heavy paraffinic	No	N/A	N/A	No	N/A	N/A	N/A
Distillates (petroleum), solvent-dewaxed heavy paraffinic	No	N/A	N/A	No	N/A	N/A	N/A
Distillates (petroleum), hydrotreated light paraffinic	No	N/A	N/A	No	N/A	N/A	N/A
Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., calcium salts	No	N/A	N/A	No	N/A	N/A	N/A
Alkyl (C18-C28) toluenesulfonic acid, calcium salts, borated	N/A	N/A	N/A	Yes	N/A	N/A	N/A

12.6 Other adverse effects

Other ecological information

Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste

Yes.

Waste list

Waste code	Waste code definition
3 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils

SECTION 13: Disposal considerations**Packaging****Methods of disposal**

The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Waste code**Special precautions**

This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
14.1 UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.
Additional information	-	-	-	-

14.6 Special precautions for user

Not available.

14.7 Transport in bulk according to IMO instruments

Not available.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Turkey Regulation No. 30105, KKDIK**

None of the components are listed.

Substances of very high concern

None of the components are listed.

Regulation on the prevention of major industrial accidents and reduction of their effects

This product is not controlled under the Regulation on the prevention of major industrial accidents and reduction of their effects.

Annex 17 - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

☒ No listed substance

EU Regulation (EC) No. 1907/2006 (REACH)**Annex XIV - List of substances subject to authorisation****Annex XIV**

None of the components are listed.

Substances of very high concern

None of the components are listed.

National inventory**Australia inventory (AIIC)**

All components are listed or exempted.

Canada inventory

All components are listed or exempted.

China inventory (IECSC)

At least one component is not listed.

SECTION 15: Regulatory information**Japan inventory (CSCL)**

All components are listed or exempted.

Korea inventory (KECI)

All components are listed or exempted.

Philippines inventory (PICCS)☒ All components are listed or exempted.**REACH Status**

For the REACH status of this product please consult your company contact, as identified in Section 1.

Taiwan Chemical Substances Inventory (TCSI)

All components are listed or exempted.

United States inventory (TSCA 8b)

All components are active or exempted.

15.2 Chemical safety assessment

This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information**Abbreviations and acronyms**

ACGIH = American Conference of Industrial Hygienists
 ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
 ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
 ATE = Acute Toxicity Estimate
 BCF = Bioconcentration Factor
 CAS = Chemical Abstracts Service
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 IBC = Intermediate Bulk Container
 IMDG = International Maritime Dangerous Goods
 LogPow = logarithm of the octanol/water partition coefficient
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
 OECD = Organisation for Economic Co-operation and Development
 PBT = Persistent, Bioaccumulative and Toxic
 RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
 SADT = Self-Accelerating Decomposition Temperature
 STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
 STOT-SE = Specific Target Organ Toxicity - Single Exposure
 TWA = Time weighted average
 UN = United Nations
 UVCB = Complex hydrocarbon substance
 VOC = Volatile Organic Compound
 vPvB = Very Persistent and Very Bioaccumulative
 Varies = may contain one or more of the following 64741-88-4, 64741-89-5, 64741-95-3, 64741-96-4, 64742-01-4, 64742-44-5, 64742-45-6, 64742-52-5, 64742-53-6, 64742-54-7, 64742-55-8, 64742-56-9, 64742-57-0, 64742-58-1, 64742-62-7, 64742-63-8, 64742-65-0, 64742-70-7, 72623-85-9, 72623-86-0, 72623-87-1

Full text of abbreviated H statements

☒ H304 May be fatal if swallowed and enters airways.
 H317 May cause an allergic skin reaction.
 H361d Suspected of damaging the unborn child.

Full text of classifications [CLP/GHS]

☒ Asp. Tox. 1 ASPIRATION HAZARD - Category 1
 Repr. 2 REPRODUCTIVE TOXICITY - Category 2
 Skin Sens. 1B SKIN SENSITISATION - Category 1B

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Prepared by

Product Stewardship

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☒ Indicates information that has changed from previously issued version.**Notice to reader**

SECTION 16: Other information

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from BP Group.

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