

## SAFETY DATA SHEET



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

#### 1.1 Product identifier

|                           |                        |
|---------------------------|------------------------|
| Product name              | Castrol Engine Shampoo |
| Product code              | 468290-TH01            |
| SDS #                     | 468290                 |
| Original preparation date | 24/01/2019             |
| Product type              | Liquid.                |

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

|                                  |   |
|----------------------------------|---|
| Use of the substance/<br>mixture | <input checked="" type="checkbox"/> Cleaner.<br>For specific application advice see appropriate Technical Data Sheet or consult our company representative. |
|----------------------------------|---|

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

|                |   |
|----------------|---|
| Supplier       | Castrol Madeni Yağlar Ticaret A.Ş<br>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<br>TELEPHONE NUMBER | CASTROL DIRECT 0212 473 77 37<br>Carechem: +44 (0) 1235 239 670 (24/7)<br>Ministry of Health National Poison Information Centre: 114 (24 hours) |
|-------------------------------|---|

### 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<br>elements  | Contains Molybdenum polysulphide long chain alkyl dithiocarbamide complex. May produce an allergic reaction.<br>Safety data sheet available on request. |
| Annex XVII - Restrictions<br>on the manufacture,<br>placing on the market<br>and use of certain<br>dangerous substances,<br>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.

## 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<br>EC: 265-157-1<br>Index: 649-467-00-8 | ≥75 - ≤90 | Not classified.   | [2]     |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic        | CAS: 64742-65-0<br>EC: 265-169-7<br>Index: 649-474-00-6 | ≤3        | Not classified.   | [2]     |
| Distillates (petroleum), solvent-dewaxed light paraffinic        | CAS: 64742-56-9<br>EC: 265-159-2<br>Index: 649-469-00-9 | ≤3        | Asp. Tox. 1, H304   | [1] [2] |
| Distillates (petroleum), hydrotreated heavy paraffinic           | CAS: 64742-54-7<br>EC: 265-157-1<br>Index: 649-467-00-8 | ≤3        | Asp. Tox. 1, H304   | [1] [2] |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic        | CAS: 64742-65-0<br>EC: 265-169-7<br>Index: 649-474-00-6 | ≤3        | Asp. Tox. 1, H304   | [1] [2] |
| Paraffin oils (petroleum), catalytic dewaxed heavy               | CAS: 64742-70-7<br>Index: 649-477-00-2                  | ≤3        | Asp. Tox. 1, H304   | [1] [2] |
| Molybdenum polysulphide long chain alkyl dithiocarbamide complex | -   | ≤0.3      | Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Aquatic Chronic 3, H412 | [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** If 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.

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

## SECTION 4: First aid measures

**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, CO<sub>2</sub>) (carbon monoxide, carbon dioxide)  
sulphur oxides (SO, SO<sub>2</sub>, etc.)

### 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    | <b>ACGIH TLV (United States) [Mineral Oil, pure, highly and severely refined] A4.</b><br>TWA 8 hours: 5 mg/m <sup>3</sup> . Form: Inhalable fraction. Issued/Revised: 11/2009. |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | <b>ACGIH TLV (United States) [Mineral Oil, pure, highly and severely refined] A4.</b><br>TWA 8 hours: 5 mg/m <sup>3</sup> . Form: Inhalable fraction. Issued/Revised: 11/2009. |
| Distillates (petroleum), solvent-dewaxed light paraffinic | <b>ACGIH TLV (United States) [Mineral Oil, pure, highly and severely refined] A4.</b><br>TWA 8 hours: 5 mg/m <sup>3</sup> . Form: Inhalable fraction. Issued/Revised: 11/2009. |
| Distillates (petroleum), hydrotreated heavy paraffinic    | <b>ACGIH TLV (United States) [Mineral Oil, pure, highly and severely refined] A4.</b><br>TWA 8 hours: 5 mg/m <sup>3</sup> . Form: Inhalable fraction. Issued/Revised: 11/2009. |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | <b>ACGIH TLV (United States) [Mineral Oil, pure, highly and severely refined] A4.</b><br>TWA 8 hours: 5 mg/m <sup>3</sup> . Form: Inhalable fraction. Issued/Revised: 11/2009. |
| Paraffin oils (petroleum), catalytic dewaxed heavy        | <b>ACGIH TLV (United States) [Mineral Oil, pure, highly and severely refined] A4.</b><br>TWA 8 hours: 5 mg/m <sup>3</sup> . 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.

## SECTION 8: Exposure controls/personal protection

### 8.2 Exposure controls

#### 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

Brown.

Odour

Not available.

Odour threshold

Not available.

pH

Not applicable.

Melting point/freezing point

Not available.

Initial boiling point and boiling range

Not available.

Flash point

☑ Closed cup: >130°C (>266°F) [Pensky-Martens ASTM D 93]

Evaporation rate

Not available.

## SECTION 9: Physical and chemical properties

### Flammability

Upper/lower flammability or explosive limits Not available.

Vapour pressure >0.01 kPa

Vapour density Not available.

Relative density Not available.

Density <1000 kg/m<sup>3</sup> (<1 g/cm<sup>3</sup>) at 15°C

### Solubility(ies)

| Media | Result      |
|-------|-------------|
| water | Not soluble |

Partition coefficient: n-octanol/water Not applicable.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity  
 Kinematic: 69.14 mm<sup>2</sup>/s (69.14 cSt) at 40°C  
 Kinematic: 9.3 to 12.5 mm<sup>2</sup>/s (9.3 to 12.5 cSt) at 100°C

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), solvent-dewaxed heavy paraffinic

**Rat - Oral - LD50**

>5000 mg/kg  
OECD 401

## SECTION 11: Toxicological information

|   |  |
|---|--|
| -   | <b>Rat - Dermal - LD50</b><br>>2000 mg/kg<br>OECD 402                              |
| -   | <b>Rat - Inhalation - LC50 Dusts and mists</b><br>>5.53 mg/l [4 hours]<br>OECD 403 |
| Distillates (petroleum), solvent-dewaxed light paraffinic | <b>Rat - Oral - LD50</b><br>>5000 mg/kg<br>OECD 401                                |
| -   | <b>Rabbit - Dermal - LD50</b><br>>5000 mg/kg<br>OECD 402                           |
| -   | <b>Rat - Inhalation - LC50 Dusts and mists</b><br>>2.18 mg/l [4 hours]<br>OECD 403 |
| Distillates (petroleum), hydrotreated heavy paraffinic    | <b>Rat - Oral - LD50</b><br>>5000 mg/kg<br>OECD 401                                |
| -   | <b>Rabbit - Dermal - LD50</b><br>>5000 mg/kg<br>OECD 402                           |
| -   | <b>Rat - Inhalation - LC50 Dusts and mists</b><br>>5 mg/l [4 hours]<br>OECD 403    |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | <b>Rat - Oral - LD50</b><br>>5000 mg/kg<br>OECD 401                                |
| -   | <b>Rat - Dermal - LD50</b><br>>2000 mg/kg<br>OECD 402                              |
| -   | <b>Rat - Inhalation - LC50 Dusts and mists</b><br>>5.53 mg/l [4 hours]<br>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), solvent-dewaxed heavy paraffinic

**Rabbit - Skin - Non-irritant to skin.**

Distillates (petroleum), solvent-dewaxed light paraffinic

**Rabbit - Skin - Non-irritant to skin.**

Distillates (petroleum), hydrotreated heavy paraffinic

**Rabbit - Skin - Mild irritant**  
OECD 404

Distillates (petroleum), solvent-dewaxed heavy paraffinic

**Rabbit - Skin - Non-irritant to skin.**

### Serious eye damage/eye irritation

#### Product/ingredient name

#### Result

## SECTION 11: Toxicological information

Distillates (petroleum), hydrotreated heavy paraffinic

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

Distillates (petroleum), solvent-dewaxed heavy paraffinic

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

Distillates (petroleum), solvent-dewaxed light paraffinic

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

Distillates (petroleum), hydrotreated heavy paraffinic

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

Distillates (petroleum), solvent-dewaxed heavy paraffinic

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

### Respiratory corrosion/irritation

Not available.

### Respiratory or skin sensitization

#### Product/ingredient name

#### Result

Distillates (petroleum), hydrotreated heavy paraffinic

**Guinea pig - skin**  
OECD 406  
Result: Not sensitising

Distillates (petroleum), solvent-dewaxed heavy paraffinic

**Guinea pig - skin**  
OECD 406  
Result: Not sensitising

Distillates (petroleum), solvent-dewaxed light paraffinic

**Guinea pig - skin**  
OECD 406  
Result: Not sensitising

Distillates (petroleum), hydrotreated heavy paraffinic

**Guinea pig - skin**  
OECD 406  
Result: Not sensitising

Distillates (petroleum), solvent-dewaxed heavy paraffinic

**Guinea pig - skin**  
OECD 406  
Result: Not sensitising

### Germ cell mutagenicity

#### Product/ingredient name

#### Result

Distillates (petroleum), hydrotreated heavy paraffinic

**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

Distillates (petroleum), solvent-dewaxed heavy paraffinic

**In vitro - Bacteria**  
OECD [Bacterial Reverse Mutation Test]  
Result: Negative

-

**In vitro - Mammal - species unspecified**  
OECD [In vitro Mammalian Chromosomal Aberration Test]

## SECTION 11: Toxicological information

Result: Negative

Distillates (petroleum), solvent-dewaxed light paraffinic

**In vitro - Bacteria**

OECD [Bacterial Reverse Mutation Test]

Result: Negative

-

**In vitro - Mammal - species unspecified**

In vitro Mammalian Chromosomal Aberration Test

Result: Negative

Distillates (petroleum), hydrotreated heavy paraffinic

**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

Distillates (petroleum), solvent-dewaxed heavy paraffinic

**In vitro - Bacteria**

OECD [Bacterial Reverse Mutation Test]

Result: Negative

-

**In vitro - Mammal - species unspecified**

OECD [In vitro Mammalian Chromosomal Aberration Test]

Result: Negative

### Carcinogenicity

**Product/ingredient name**

Distillates (petroleum), hydrotreated heavy paraffinic

**Result**

**Mouse - Dermal - Unspecified**

OECD 451

Result: Negative

Distillates (petroleum), solvent-dewaxed heavy paraffinic

**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), solvent-dewaxed heavy paraffinic

**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

## SECTION 11: Toxicological information

Result: Negative

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

#### Product/ingredient name

#### Result

|   |                                |
|---|--------------------------------|
| Distillates (petroleum), solvent-dewaxed light paraffinic | ASPIRATION HAZARD - Category 1 |
| Distillates (petroleum), hydrotreated heavy paraffinic    | ASPIRATION HAZARD - Category 1 |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | ASPIRATION HAZARD - Category 1 |
| Paraffin oils (petroleum), catalytic dewaxed heavy        | ASPIRATION HAZARD - Category 1 |

#### Information on likely routes of exposure

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

### 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

May be harmful by inhalation if exposure to vapour, mists or fumes resulting from thermal decomposition products occurs.

#### 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

No known significant effects or critical hazards.

#### 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

**SECTION 12: Ecological information**

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

## SECTION 12: Ecological information

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

**Environmental hazards** Not classified as dangerous

### 12.2 Persistence and degradability

Expected to be biodegradable.

**Product/ingredient name**

**Result**

|   |  |
|---|--|
| Distillates (petroleum), hydrotreated heavy paraffinic    | OECD 301F<br>31% [28 days] - Not readily |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | OECD 301F<br>31% [28 days] - Not readily |
| Distillates (petroleum), solvent-dewaxed light paraffinic | OECD 301F<br>31% [28 days] - Not readily |
| Distillates (petroleum), hydrotreated heavy paraffinic    | OECD 301F<br>31% [28 days] - Not readily |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | OECD 301F<br>31% [28 days] - Not readily |

### 12.3 Bioaccumulative potential

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

## SECTION 12: Ecological information

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), solvent-dewaxed heavy paraffinic | No  | N/A | N/A | No | N/A  | N/A | N/A |
| Distillates (petroleum), solvent-dewaxed light 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 |
| Paraffin oils (petroleum), catalytic dewaxed heavy        | No  | N/A | N/A | No | N/A  | N/A | N/A |
| Long chain alkyl thio carbamide metal complex             | No  | N/A | N/A | No | 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 |

#### 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

## 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, KKDİK

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 (AIC)** All components are listed or exempted.

**Canada inventory** All components are listed or exempted.

**China inventory (IECSC)** All components are listed or exempted.

**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.

## SECTION 15: Regulatory information

### 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.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H412 Harmful to aquatic life with long lasting effects.

### Full text of classifications [CLP/GHS]

Aquatic Chronic 3 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3  
 Asp. Tox. 1 ASPIRATION HAZARD - Category 1  
 Skin Irrit. 2 SKIN CORROSION/IRRITATION - 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.

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