

## Section 1. Identification

**Product name** Castrol GTX 5W-20  
**SDS #** 459836  
**Code** 459836-DO02

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

**Product use** Engine Oils.  
For specific application advice see appropriate Technical Data Sheet or consult our company representative.

**Supplier** BP Lubricants USA Inc.  
1500 Valley Road  
Wayne, NJ 07470  
Telephone: 1-888-CASTROL

**EMERGENCY HEALTH INFORMATION:** 1 (800) 447-8735  
Outside the US: +1 703-527-3887 (CHEMTREC)

**EMERGENCY SPILL INFORMATION:** 1 (800) 424-9300 CHEMTREC (USA)

## Section 2. Hazards identification

**OSHA/HCS status** This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture** Not classified.

### GHS label elements

**Signal word** No signal word.

**Hazard statements** No known significant effects or critical hazards.

### Precautionary statements

**Prevention** Not applicable.

**Response** Not applicable.

**Storage** Not applicable.

**Disposal** Not applicable.

**Hazards not otherwise classified**  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

### Substance/mixture

Mixture

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

| Ingredient name                                                      | %         | CAS number      |
|----------------------------------------------------------------------|-----------|-----------------|
| Distillates (petroleum), hydrotreated heavy paraffinic               | ≥25 - ≤50 | CAS: 64742-54-7 |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based | ≥25 - ≤50 | CAS: 72623-86-0 |
| Distillates (petroleum), hydrotreated heavy paraffinic               | ≥10 - ≤25 | CAS: 64742-54-7 |
| Distillates (petroleum), hydrotreated light paraffinic               | ≤3        | CAS: 64742-55-8 |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic            | ≤3        | CAS: 64742-65-0 |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**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 and hence require reporting in this section.**

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

## Section 4. First aid measures

### Description of necessary first aid measures

#### 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.

#### Skin contact

Wash skin thoroughly with soap and water or use recognized 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.

#### Inhalation

If inhaled, remove to fresh air. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. 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.

#### Protection of first-aiders

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

### Most important symptoms/effects, acute and delayed

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

### Indication of immediate medical attention and special treatment needed, if necessary

#### Notes to physician

Treatment should in general be symptomatic and directed to relieving any effects. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

#### Specific treatments

No specific treatment.

## Section 5. Fire-fighting measures

### 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.

### Specific hazards arising from the chemical

#### Hazardous combustion products

Combustion products may include the following:  
carbon oxides (CO, CO<sub>2</sub>) (carbon monoxide, carbon dioxide)  
nitrogen oxides (NO, NO<sub>2</sub> etc.)

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## Section 5. Fire-fighting measures

### Special protective actions 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.

## Section 6. Accidental release measures

### 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 specialized 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".

### 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).

### Methods and materials 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.

## Section 7. Handling and storage

### Precautions for safe handling

#### Protective measures

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

#### 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.

### 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 unlabeled containers. Use appropriate containment to avoid environmental contamination.

### Not suitable

Prolonged exposure to elevated temperature

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

## Section 8. Exposure controls/personal protection

| Ingredient name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Exposure limits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div data-bbox="131 184 906 394">  Distillates (petroleum), hydrotreated heavy paraffinic </div> <div data-bbox="131 405 906 615">Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based</div> <div data-bbox="131 625 906 835">Distillates (petroleum), hydrotreated heavy paraffinic</div> <div data-bbox="131 846 906 1056">Distillates (petroleum), hydrotreated light paraffinic</div> <div data-bbox="131 1066 906 1306">Distillates (petroleum), solvent-dewaxed heavy paraffinic</div> | <div data-bbox="914 184 1396 289"> <b>OSHA PEL (United States) [Oil mist, mineral]</b><br/> TWA 8 hours: 5 mg/m<sup>3</sup>. Issued/Revised: 6/1993. </div> <div data-bbox="914 300 1396 405"> <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. </div> <div data-bbox="914 415 1396 520"> <b>OSHA PEL (United States) [Oil mist, mineral]</b><br/> TWA 8 hours: 5 mg/m<sup>3</sup>. Issued/Revised: 6/1993. </div> <div data-bbox="914 531 1396 636"> <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. </div> <div data-bbox="914 646 1396 751"> <b>OSHA PEL (United States) [Oil mist, mineral]</b><br/> TWA 8 hours: 5 mg/m<sup>3</sup>. Issued/Revised: 6/1993. </div> <div data-bbox="914 762 1396 867"> <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. </div> <div data-bbox="914 877 1396 982"> <b>OSHA PEL (United States) [Oil mist, mineral]</b><br/> TWA 8 hours: 5 mg/m<sup>3</sup>. Issued/Revised: 6/1993. </div> <div data-bbox="914 993 1396 1098"> <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. </div> <div data-bbox="914 1108 1396 1213"> <b>OSHA PEL (United States) [Oil mist, mineral]</b><br/> TWA 8 hours: 5 mg/m<sup>3</sup>. Issued/Revised: 6/1993. </div> <div data-bbox="914 1224 1396 1306"> <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. </div> |

While specific OELs for certain components may be shown in this section, other components may be present in any mist, vapor 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.

### 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.

## Section 8. Exposure controls/personal protection

### 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.

### 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.

#### 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.

##### Body protection

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.

##### Other skin protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

##### 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.

## Section 9. Physical and chemical properties

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

### Appearance

#### Physical state

Liquid.

#### Color

Brown.

#### Odor

Not available.

#### Odor threshold

Not available.

#### pH

Not applicable.

#### Melting point/freezing point

Not available.

#### Boiling point or initial boiling point and boiling range

Not available.

#### Flash point

☑ Closed cup: >200°C (>392°F) [Pensky-Martens ASTM D 93]

#### Pour point

-42 °C

#### Evaporation rate

Not available.

#### Flammability

Not available.

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## Section 9. Physical and chemical properties

Lower and upper explosion  
limit/flammability limit

Not available.

Vapor pressure

| Ingredient name                                                      | Vapor Pressure at 20°C |       |             | Vapor pressure at 50°C |     |        |
|----------------------------------------------------------------------|------------------------|-------|-------------|------------------------|-----|--------|
|                                                                      | mm Hg                  | kPa   | Method      | mm Hg                  | kPa | Method |
| Distillates (petroleum), hydrotreated heavy paraffinic               | <0.07501               | <0.01 | ASTM D 5191 |                        |     |        |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based | <0.07501               | <0.01 | ASTM D 5191 |                        |     |        |
| Distillates (petroleum), hydrotreated heavy paraffinic               | <0.07501               | <0.01 | ASTM D 5191 |                        |     |        |
| Distillates (petroleum), hydrotreated light paraffinic               | <0.07501               | <0.01 | ASTM D 5191 |                        |     |        |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic            | <0.07501               | <0.01 | ASTM D 5191 |                        |     |        |

Relative vapor 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

| Ingredient name      | °C  | °F  | Method  |
|----------------------|-----|-----|---------|
| Di(nonylphenyl)amine | 440 | 824 | EU A.15 |

Decomposition temperature

Not available.

Viscosity

Kinematic: 51 mm<sup>2</sup>/s (51 cSt) at 40°C  
Kinematic: 8.3 to 9.3 mm<sup>2</sup>/s (8.3 to 9.3 cSt) at 100°C

Particle characteristics

Median particle size

Not applicable.

## Section 10. Stability and reactivity

Reactivity

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

Chemical stability

The product is stable.

Possibility of hazardous  
reactions

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

Conditions to avoid

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

Incompatible materials

Reactive or incompatible with the following materials: oxidizing materials.

Hazardous decomposition  
products

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

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## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

##### Product/ingredient name

Distillates (petroleum), hydrotreated heavy paraffinic

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

Distillates (petroleum), hydrotreated heavy paraffinic

Distillates (petroleum), hydrotreated light paraffinic

Distillates (petroleum), solvent-dewaxed 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

###### Rat - Oral - LD50

>5000 mg/kg  
OECD 401

###### Rat - Dermal - LD50

>2000 mg/kg  
OECD 402

###### Rat - Inhalation - LC50 Dusts and mists

>5 mg/l [4 hours]  
OECD 403

###### 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

###### 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

###### 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

#### Skin corrosion/irritation

##### Product/ingredient name

Distillates (petroleum), hydrotreated heavy paraffinic

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

Distillates (petroleum), hydrotreated heavy paraffinic

Distillates (petroleum), hydrotreated light paraffinic

##### Result

###### Rabbit - Skin - Mild irritant

OECD 404

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

OECD 404

###### Rabbit - Skin - Mild irritant

OECD 404

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

## Section 11. Toxicological information

Distillates (petroleum), solvent-dewaxed heavy paraffinic

Rabbit - Skin - Non-irritant to skin.

### Serious eye damage/eye irritation

#### Product/ingredient name

Distillates (petroleum), hydrotreated heavy paraffinic  
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based  
Distillates (petroleum), hydrotreated heavy paraffinic  
Distillates (petroleum), hydrotreated light paraffinic  
Distillates (petroleum), solvent-dewaxed heavy 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  
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  
  
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based  
  
Distillates (petroleum), hydrotreated heavy paraffinic  
  
Distillates (petroleum), hydrotreated light paraffinic  
  
Distillates (petroleum), solvent-dewaxed heavy paraffinic

#### Result

Guinea pig - skin  
OECD 406  
Result: Not sensitizing  
Guinea pig - skin  
OECD 406  
Result: Not sensitizing  
Guinea pig - skin  
OECD 406  
Result: Not sensitizing  
Guinea pig - skin  
OECD 406  
Result: Not sensitizing  
Guinea pig - skin  
OECD 406  
Result: Not sensitizing

### Germ cell mutagenicity

#### Product/ingredient name

Distillates (petroleum), hydrotreated heavy paraffinic  
  
  
  
  
  
  
  
  
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based

#### 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  
OECD [Bacterial Reverse Mutation Test]



## Section 11. Toxicological information

Distillates (petroleum), hydrotreated heavy paraffinic

**Rat - Oral**  
OECD 421  
Maternal toxicity: Negative  
Fertility effects: Negative  
Developmental: Negative

Distillates (petroleum), hydrotreated heavy paraffinic

**Rat - Oral**  
OECD 421  
Maternal toxicity: Negative  
Fertility effects: Negative  
Developmental: Negative

Distillates (petroleum), hydrotreated light paraffinic

**Rat - Oral**  
OECD 421  
Maternal toxicity: Negative  
Fertility effects: Negative  
Developmental: Negative

Distillates (petroleum), solvent-dewaxed heavy paraffinic

**Rat - Oral**  
OECD 421  
Maternal toxicity: Negative  
Fertility effects: Negative  
Developmental: Negative

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

#### **Product/ingredient name**

#### **Result**

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based  
Distillates (petroleum), hydrotreated heavy paraffinic  
Distillates (petroleum), hydrotreated light paraffinic  
Distillates (petroleum), solvent-dewaxed heavy paraffinic

ASPIRATION HAZARD - Category 1  
ASPIRATION HAZARD - Category 1  
ASPIRATION HAZARD - Category 1  
ASPIRATION HAZARD - Category 1

### Information on the likely routes of exposure

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

### Potential acute health effects

#### **Eye contact**

No known significant effects or critical hazards.

#### **Inhalation**

Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

#### **Skin contact**

No known significant effects or critical hazards.

#### **Ingestion**

No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

#### **Eye contact**

No specific data.

#### **Inhalation**

No specific data.

#### **Skin contact**

Adverse symptoms may include the following:  
irritation  
dryness  
cracking

## Section 11. Toxicological information

**Ingestion** No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** Not available.

**Potential delayed effects** Not available.

#### Long term exposure

**Potential immediate effects** Not available.

**Potential delayed effects** Not available.

### Potential chronic health effects

Not available.

**Conclusion/Summary [Product]** Not available.

#### 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.

### Numerical measures of toxicity

#### Acute toxicity estimates

N/A

## Section 12. Ecological information

### Toxicity

No testing has been performed by the manufacturer.

#### Product/ingredient name

Distillates (petroleum), hydrotreated heavy paraffinic

#### Result

##### 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

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## Section 12. Ecological information

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

OECD 211  
Daphnia  
10 mg/l [21 days]  
**Acute - ErL50**  
OECD 201  
Algae  
100 mg/l [72 hours]  
**Chronic - NOELR**  
OECD 201  
Algae  
100 mg/l [72 hours]  
**Acute - EL50**  
OECD 202  
Daphnia  
>1000 mg/l [48 hours]  
**Chronic - NOELR**  
OECD 211  
Daphnia  
10 to 1000 mg/l [21 days]

Distillates (petroleum), hydrotreated heavy  
paraffinic

**Acute - LL50**  
OECD 203  
Fish  
>100 mg/l [96 hours]  
**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

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]

### Persistence and degradability

Not expected to be rapidly degradable.

#### Product/ingredient name

Distillates (petroleum), hydrotreated heavy  
paraffinic  
Distillates (petroleum), hydrotreated heavy  
paraffinic  
Distillates (petroleum), hydrotreated light  
paraffinic  
Distillates (petroleum), solvent-dewaxed  
heavy paraffinic

#### Result

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

### Bioaccumulative potential

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

### Mobility in soil

#### Soil/Water partition coefficient

Not available.

#### Mobility

Spillages may penetrate the soil causing ground water contamination.

### Other adverse effects

No known significant effects or critical hazards.

### 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

### Disposal methods

The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. 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 spilled material and runoff and contact with soil, waterways, drains and sewers.

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## Section 13. Disposal considerations

## Section 14. Transport information

|                            | DOT Classification | TDG Classification | IMDG           | IATA           |
|----------------------------|--------------------|--------------------|----------------|----------------|
| UN number                  | Not regulated.     | Not regulated.     | Not regulated. | Not regulated. |
| UN proper shipping name    | -                  | -                  | -              | -              |
| Transport hazard class(es) | -                  | -                  | -              | -              |
| Packing group              | -                  | -                  | -              | -              |
| Environmental hazards      | No.                | No.                | No.            | No.            |
| Additional information     | -                  | -                  | -              | -              |

**Special precautions for user** Not available.

**Transport in bulk according to IMO instruments** Not available.

## Section 15. Regulatory information

### U.S. Federal regulations

**United States inventory (TSCA 8b)** ☒ All components are active or exempted.

### TSCA 12(b) - Chemical export notification

Not applicable.

### Other regulations

**Australia inventory (AIIIC)** All components are listed or exempted.

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

**China inventory (IECSC)** At least one component is not listed.

**Japan inventory (CSCL)** All components are listed or exempted.

**Korea inventory (KECI)** All components are listed or exempted.

**Philippines inventory (PICCS)** ☒ At least one component is not listed.

**Taiwan Chemical Substances Inventory (TCSI)** 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.

## Section 16. Other information

### History

**Date of issue/Date of revision** 09/29/2025.

**Date of previous issue** 02/05/2021.

**Prepared by** Product Stewardship

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## Section 16. Other information

### Key to abbreviations

ACGIH = American Conference of Industrial Hygienists  
ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
CAS Number = Chemical Abstracts Service Registry Number  
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)  
OEL = Occupational Exposure Limit  
SDS = Safety Data Sheet  
STEL = Short term exposure limit  
TWA = Time weighted average  
UN = United Nations  
UN Number = United Nations Number, a four digit number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods.  
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

Indicates information that has changed from previously issued version.

### Notice to reader

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*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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