

SAFETY DATA SHEET



Castrol EDGE 5W-50

Section 1. Identification

GHS product identifier	Castrol EDGE 5W-50
Product code	467621-CA01
SDS #	467621
<u>Relevant identified uses of the substance or mixture and uses advised against</u>	
Identified uses	Engine Oils. For specific application advice see appropriate Technical Data Sheet or consult our company representative.
Uses advised against	Consult with experts for use other than relevant identified use.
Manufacturer	BP Lubricants USA Inc. 1500 Valley Road Wayne, NJ 07470 Telephone: 1-888-CASTROL
Supplier	Wakefield Canada Inc. 6950 Creditview Rd Mississauga, ON L5N 0A6 Canada Phone number: 1 (416) 252-5511 +1-800-447-8735
EMERGENCY HEALTH INFORMATION:	
EMERGENCY TELEPHONE NUMBER	1 (613) 996-6666 CANUTEC (Canada) +1-800-424-9300 (CHEMTREC USA) +1-703-527-3887 (CHEMTREC outside the US)

Section 2. Hazard identification

Classification of the substance or mixture	Not classified.
<u>GHS label elements</u>	
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.
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

Substance/mixture

Mixture

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

Ingredient name	Synonyms	% (w/w)	CAS number
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	Baseoil - unspecified; Lubricating oils, petroleum, C15-30, hydrotreated neutral oil based; Paraffin oil; Lubricating oils (petroleum), C15-C30, hydrotreated neutral oil-based; Lubricating oils, petroleum, C15-30-hydrotreated neutral oil-based; Lubricating oils (petroleum), (C=15-30), hydrotreated neutral oil-based; OILS, LUBRICATING (PETROLEUM) HYDROTREATED NEUTRAL OIL-BASED C15-30; Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based, Baseoil - unspecified	≥30 - ≤60	CAS: 72623-86-0
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	Baseoil - unspecified; Lubricating oils, petroleum, C20-50, hydrotreated neutral oil based; Lubricating oils, petroleum, C20-50-hydrotreated neutral oil-based; Lubricating oils (petroleum), (C=20-50) hydrotreated neutral oil-based; Lubricating oils (petroleum), C20-50 hydrotreated neutral oil based; OILS, LUBRICATING (PETROLEUM) C20-50, HYDROTREATED NEUTRAL OIL-BASED; Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, Baseoil - unspecified; Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based; Lubricating oils (petroleum), C20-C50, hydrotreated neutral oilbased	≥10 - ≤30	CAS: 72623-87-1
Distillates (petroleum), hydrotreated heavy paraffinic	Baseoil - unspecified; Mineral oil; Paraffin oil;	≥5 - ≤10	CAS: 64742-54-7
Distillates (petroleum), hydrotreated heavy paraffinic	Baseoil - unspecified; Mineral oil; Paraffin oil;	≥5 - ≤10	CAS: 64742-54-7
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Baseoil - unspecified; Distillates, petroleum, solvent dewaxed heavy paraffinic; Mineral oil, petroleum distillates, solvent-dewaxed heavy paraffinic; Paraffin oil; Distillates, petroleum, solvent-dewaxed heavy paraffinic; Distillate (Pet.) solvent-dewaxed heavy paraffinic; SOLVENT REFINED PARAFFINIC MINERAL OIL; OILS, PARAFFINIC, HEAVY, SOLVENT DEWAXED; Solvent dewaxed heavy paraffinic petroleum oil; PARAFFINIC PETROLEUM DISTILLATES; Distillates (petroleum),	≥1 - ≤5	CAS: 64742-65-0

Section 3. Composition/information on ingredients

<p>zinc bis(O,O-diisooctyl) bis (dithiophosphate)</p>	<p>solvent-dewaxed heavy paraffinic, Baseoil - unspecified</p> <p>Zinc, bis(O,O-diisooctyl phosphorodithioato-.kappa.S,.kappa.S')-; Zinc, bis(O,O-diisooctyl phosphorodithioato-S,S')-; phosphorodithioic acid, O,O-diisooctyl ester, zinc salt; bis(O,O-diisooctyl phosphorodithioato-.kappa.S,.kappa.S')zinc; zinc, bis(O,O-diisooctyl phosphorodithioato-S,S')-; phosphorodithioic acid, O,O-diisooctyl ester, zinc complex; Zinc O,O-bis (isooctyl)dithiophosphate; Dithiophosphoric acid, O,O'-diisooctyl ester, zinc salt; Bis(O,O-diisooctyl phosphorodithioato-kappa(2)S,S')zinc; Zinc dialkyl (C8-24) dithiophosphate; Phosphorodithioic acid O,O-diisooctyl ester zinc salt</p>	<p>≥1 - ≤5</p>	<p>CAS: 28629-66-5</p>	
<p>Distillates (petroleum), solvent-dewaxed light paraffinic</p>	<p>Baseoil - unspecified; Distillates, petroleum, solvent dewaxed light paraffinic; Mineral oil, petroleum distillates, solvent-dewaxed light paraffinic; Solvent-dewaxed light paraffinic distillates (petroleum); Distillate (petroleum), solvent dewaxed light paraffinic distillate; Distillates, petroleum, solvent-dewaxed light paraffinic; DISTILLATES (PETROLEUM), SOLVENT DEWAXED LIGHT PARAFFINIC; Distillates (petroleum), solvent-dewaxed light paraffinic, Baseoil - unspecified; Petroleum distillates, solvent dewaxed light paraffinic</p>	<p>≥1 - ≤5</p>	<p>CAS: 64742-56-9</p>	

Ranges if listed above for hazardous ingredient(s) are prescribed ranges. The actual concentration(s) or actual concentration range(s) are being withheld as a trade secret.

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.

Section 4. First-aid measures

Protection of first-aiders No action shall be taken involving any personal risk or without suitable training.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact No known significant effects or critical hazards.
Inhalation No known significant effects or critical hazards.
Skin contact Defatting to the skin. May cause skin dryness and irritation.
Ingestion No known significant effects or critical hazards.

Over-exposure signs/symptoms

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

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

Hazardous thermal decomposition products Combustion products may include the following:
phosphorus oxides
metal oxide/oxides
carbon oxides (CO, CO₂) (carbon monoxide, carbon dioxide)
sulfur oxides (SO, SO₂ etc.)
nitrogen oxides (NO, NO₂ etc.)

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".

Wear appropriate personal protective equipment, as indicated in Section 8.

Section 6. Accidental release measures

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

Ingredient name	Exposure limits
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	<p>CA Ontario Provincial (Canada) [Mineral oil, excluding metal working fluids (pure, highly and severely refined)] TWA 8 hours: 5 mg/m³. Form: Inhalable particulate matter.. Issued/Revised: 6/2015.</p> <p>CA Alberta Provincial (Canada) [Oil] OEL 8 hours: 5 mg/m³. Form: Mist. Issued/Revised: 7/2009. OEL 15 minutes: 10 mg/m³. Form: Mist. Issued/Revised: 7/2009.</p>
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	<p>CA Alberta Provincial (Canada) [Oil] OEL 8 hours: 5 mg/m³. Form: Mist. Issued/Revised: 7/2009. OEL 15 minutes: 10 mg/m³. Form: Mist. Issued/Revised: 7/2009.</p>
Distillates (petroleum), hydrotreated heavy paraffinic	<p>CA Ontario Provincial (Canada) [Mineral oil, excluding metal working fluids (pure, highly and severely refined)] TWA 8 hours: 5 mg/m³. Form: Inhalable particulate matter.. Issued/Revised: 6/2015.</p> <p>CA Alberta Provincial (Canada) [Oil] OEL 8 hours: 5 mg/m³. Form: Mist. Issued/</p>

Section 8. Exposure controls/personal protection

Distillates (petroleum), hydrotreated heavy paraffinic

Revised: 7/2009.

OEL 15 minutes: 10 mg/m³. Form: Mist. Issued/Revised: 7/2009.

CA Ontario Provincial (Canada) [Mineral oil, excluding metal working fluids (pure, highly and severely refined)]

TWA 8 hours: 5 mg/m³. Form: Inhalable particulate matter.. Issued/Revised: 6/2015.

CA Alberta Provincial (Canada) [Oil]

OEL 8 hours: 5 mg/m³. Form: Mist. Issued/Revised: 7/2009.

OEL 15 minutes: 10 mg/m³. Form: Mist. Issued/Revised: 7/2009.

Distillates (petroleum), solvent-dewaxed heavy paraffinic

CA Ontario Provincial (Canada) [Mineral oil, excluding metal working fluids (pure, highly and severely refined)]

TWA 8 hours: 5 mg/m³. Form: Inhalable particulate matter.. Issued/Revised: 6/2015.

CA Alberta Provincial (Canada) [Oil]

OEL 8 hours: 5 mg/m³. Form: Mist. Issued/Revised: 7/2009.

OEL 15 minutes: 10 mg/m³. Form: Mist. Issued/Revised: 7/2009.

Distillates (petroleum), solvent-dewaxed light paraffinic

CA Ontario Provincial (Canada) [Mineral oil, excluding metal working fluids (pure, highly and severely refined)]

TWA 8 hours: 5 mg/m³. Form: Inhalable particulate matter.. Issued/Revised: 6/2015.

CA Alberta Provincial (Canada) [Oil]

OEL 8 hours: 5 mg/m³. Form: Mist. Issued/Revised: 7/2009.

OEL 15 minutes: 10 mg/m³. Form: Mist. Issued/Revised: 7/2009.

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.

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

Section 8. Exposure controls/personal protection

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

-39 °C

Drop Point

Not available.

Evaporation rate

Not available.

Flammability

Not available.

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
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	<0.07501	<0.01	ASTM D 5191			
Lubricating oils (petroleum), C20-50, 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 heavy 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/m³ (<1 g/cm³) at 15°C

Relative density Not available.

Solubility(ies)

Media	Result
water	Not soluble

Partition coefficient: n-octanol/water Not applicable.

Auto-ignition temperature

Ingredient name	°C	°F	Method
Bis(nonylphenyl)amine	440	824	EU A.15
zinc bis(O,O-diisooctyl) bis (dithiophosphate)	198	388.4	

Decomposition temperature Not available.

Viscosity Kinematic: 103.3 mm²/s (103.3 cSt) at 40°C
Kinematic: 16.4 to 17.4 mm²/s (16.4 to 17.4 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.

Section 10. Stability and reactivity

Hazardous decomposition products

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

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name

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

Result

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

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), 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), solvent-dewaxed light paraffinic

Rat - Oral - LD50

>5000 mg/kg
OECD 401

Rabbit - Dermal - LD50

>5000 mg/kg
OECD 402

Rat - Inhalation - LC50 Dusts and mists

>2.18 mg/l [4 hours]
OECD 403

Skin corrosion/irritation

Product/ingredient name

Result

Product name Castrol EDGE 5W-50

Product code 467621-CA01

Page: 9/17

Version 3.01

Date of issue 10/31/2025.

Format Canada

Language ENGLISH

(Canada)

(ENGLISH)

Section 11. Toxicological information

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

Rabbit - Skin - Non-irritant to skin.
OECD 404
Rabbit - Skin - Mild irritant
OECD 404
Rabbit - Skin - Mild irritant
OECD 404
Rabbit - Skin - Non-irritant to skin.

Rabbit - Skin - Non-irritant to skin.

Serious eye damage/eye irritation

Product/ingredient name

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based
Distillates (petroleum), hydrotreated heavy paraffinic
Distillates (petroleum), hydrotreated heavy paraffinic
Distillates (petroleum), solvent-dewaxed heavy paraffinic
Distillates (petroleum), solvent-dewaxed 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
Rabbit - Eyes - Non-irritating to the eyes.
OECD 405

Respiratory corrosion/irritation

Not available.

Respiratory or skin sensitization

Product/ingredient name

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

Distillates (petroleum), hydrotreated heavy paraffinic

Distillates (petroleum), hydrotreated heavy paraffinic

Distillates (petroleum), solvent-dewaxed heavy paraffinic

Distillates (petroleum), solvent-dewaxed light 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

Result

Section 11. Toxicological information

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

In vitro - Bacteria

OECD [Bacterial Reverse Mutation Test]

Result: Negative

In vitro - Mammal - species unspecified

OECD [In vitro Mammalian Chromosomal Aberration Test]

Result: Negative

In vitro - Unspecified

OECD [In vitro Mammalian Cell Gene Mutation Test]

Result: Negative

In vivo - Mammal - species unspecified

OECD [Mammalian Erythrocyte Micronucleus 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), 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

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), solvent-dewaxed light paraffinic

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

Mouse - Dermal - Unspecified

Section 11. Toxicological information

heavy paraffinic

OECD 451

Result: Negative

Reproductive toxicity

Product/ingredient name

Distillates (petroleum), hydrotreated heavy paraffinic

Result

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), solvent-dewaxed heavy paraffinic

Rat - Oral

OECD 421

Maternal toxicity: Negative

Fertility effects: Negative

Developmental: Negative

Distillates (petroleum), solvent-dewaxed light 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

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

Result

ASPIRATION HAZARD - Category 1

Distillates (petroleum), hydrotreated heavy paraffinic

ASPIRATION HAZARD - Category 1

Distillates (petroleum), solvent-dewaxed light paraffinic

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

No known significant effects or critical hazards.

Skin contact

Defatting to the skin. May cause skin dryness and irritation.

Ingestion

No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Product name Castrol EDGE 5W-50

Product code 467621-CA01

Page: 12/17

Version 3.01

Date of issue 10/31/2025.

Format Canada

Language ENGLISH

(Canada)

(ENGLISH)

Section 11. Toxicological information

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

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
Castrol EDGE 5W-50 zinc bis(O,O-diisooctyl) bis(dithiophosphate)	205854.2 2500	N/A N/A	N/A N/A	N/A N/A	N/A N/A

Section 12. Ecological information

Toxicity

No testing has been performed by the manufacturer.

Product/ingredient name

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

Result

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]

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]

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]

Distillates (petroleum), hydrotreated heavy paraffinic

Distillates (petroleum), hydrotreated heavy paraffinic

Section 12. Ecological information

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

Section 12. Ecological information

Mobility in soil

Soil/Water partition coefficient

Not available.

Mobility

Spillages may penetrate the soil causing ground water contamination.

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.

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.

Section 15. Regulatory information

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

Other regulations

Australia inventory (AIC)

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)

At least one component is not listed.

Product name Castrol EDGE 5W-50

Product code 467621-CA01

Page: 16/17

Version 3.01

Date of issue 10/31/2025.

Format Canada

Language ENGLISH

(Canada)

(ENGLISH)

Section 15. Regulatory information

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.
United States inventory (TSCA 8b)	All components are active 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	10/31/2025
Date of previous issue	17/06/2025.
Version	3.01
Prepared by	Product Stewardship
Key to abbreviations	ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor CAS Number = Chemical Abstracts Service Registry Number GHS = Globally Harmonized System of Classification and Labelling of Chemicals HPR = Hazardous Products Regulations 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) REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation [Regulation (EC) No. 1907/2006] UN = United Nations 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
References	Not available.

✔ Indicates information that has changed from previously issued version.

Notice to reader

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.

It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The BP Group shall not be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of the product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken. You can contact the BP Group to ensure that this document is the most current available. Alteration of this document is strictly prohibited.